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Description of document:	Emails at the California Public Utilities Commission (CPUC) relating to alleged inappropriate communications with Pacific Gas & Electric Co. (PG&E), 2010-2014
Request date:	September 2014
Released date:	December 2014
Posted date:	23-February-2015
Source of document:	CPUC Legal Division Public Records Office 505 Van Ness Ave San Francisco, CA 94102 Fax: (415) 703-2262 public.records@cpuc.ca.gov

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Enclosed are four cds of emails you requested.

Andrew Kotch
Information Officer
California Public Utilities Commission
415-703-1366

A Focus on System Safety & Security
Draft Proposal

OVERVIEW, OBJECTIVE AND SCOPE

Background: In July, 2011, Executive Director Paul Clanon tasked ALJ Angie Minkin and Marzia Zafar with establishing a stakeholder review procedure to reform the way utility system safety is handled in the Commission's ratemaking processes. This paper provides initial recommendations.

Objective: The purpose of this paper is to recommend improvements to our current ratemaking processes and elevate and prioritize regulated utilities' system safety.

Proposed Scope: The proposed solutions are intended to cover both the gas and electric systems. Recent legislation has emphasized the need for increased safety procedures (e.g. SB705, AB56); however, these recently adopted laws only focus on the gas side. Our proposal takes this opportunity to proactively raise the bar for both electric and gas system safety and security.

RATE CASE PROCEEDING RECOMMENDATIONS

- Require an exhibit from each utility that ***details the authorized expenditure from the last GRC versus the actual expenditures*** during that period. The exhibit should provide detailed explanations for the revised budgets and should provide accompanying work papers.

- Require an independent audit of the utility's expenditures included in the exhibit. (Potentially require utility to reimburse Commission for hiring an indene pent consultant).

- ***Require testimony in the GRC*** to detail the ***technical state*** of the utility system
    - For example, each utility should give a risk assessment of their physical system as well as an assessment of their risk tolerance.
    - They should provide testimony to identify areas of low risk and high risk and include underlying reasons for their assessments, as well as explaining the metrics underlying their analysis.

- The ***Chief Operating Officer of each utility, along with other relevant employees (including engineers, accountants, internal auditors, etc.) shall submit testimony*** detailing the overall policy of the utility's safety and security measures.
    - The testimony should encompass how safety is incorporated into their policies, goals and culture, and the efforts being made to bolster system safety & security.
    - The structure for employee and management bonuses and how such bonuses are assessed and calculated, with details as to how bonuses relate to various ratemaking categories
    - Legislative support for this requirement is provided by SB 705 (Ch. 522, Stats. 2011) adds §§ 961 and 963 to the Pub. Util. Code. This bill requires each gas corporation to develop a plan for safe and reliable operation of its gas pipeline facilities and requires the Commission to accept, modify, or reject the plan by year-end 2012, and to allow sufficient flexibility for the gas corporation to respond to safety requirements. Most importantly, this bill states that "it is the policy of the state to place safety of the public and gas corporation employees as the top priority and require the commission to require that the distribution rate of a gas corporation include sufficient revenues and employee staffing to provide for prompt provision of service to the public consistent with this policy."

- *Solicit testimony from DRA* and other consumer advocates to address not only the cost advocacy aspect of a GRC, but also a ***qualitative review of utility proposals for capital expenditure and ongoing operations and maintenance expenditures to increase system safety.***

- Require the utility to file an independent audit evaluating the utility's system in terms of implementation of best practices (and the associated metrics) of the security and safety of their electric grid and gas pipelines. (Risk Assessment Unit?)

- Require the utility undergo and file a management audit that assesses the role that safety plays in the overall culture of the utility, including the use of incentives provided to employees and managers.

ANNUAL OR BI-ANNUAL SAFETY EN BANC PROPOSAL

Purpose: The purpose of such an en banc would be to keep system safety and security as a top priority for both the Commission as well as the utility.

Recommendations for En Banc Agenda:

- The CEOs of each utility shall inform the Commission of their respective company's culture and operation in terms of system safety and security.
- *Best Practices* - Independent experts will be invited to discuss the latest issues surrounding utility system safety and security.
- CPSD's Risk Assessment group will be invited to represent the CPUC staff's perspective.
- Consumer Advocates will be invited to bring their "qualitative" perspective of utility's proposals for system safety and security projects.
- Union representatives will be invited to give their perspective of on the field operations.

NEXT STEPS

- Hold a workshop in early January 2012 with stakeholders to review and refine the proposal.
- Issue resolution to require PG&E to submit exhibits and testimony according to the Rate Case Plan for its Test Year 2013 GRC.
- We may also wish to open a rulemaking to formally modify the Rate Case Plan and institutionalize the enhancements for all regulated utilities.

HALL & ASSOCIATES LLC
400 7th St. NW WASHINGTON DC, 20004
(T) 202-312-0600 (F) 202-312-060

May 9th, 2012

A Proposal for a CPUC/Gas Pipeline Industry Sponsored Risk Management Symposium

Location; San Francisco Airport Area

Symposium Purpose; To improve the "Safe" delivery of natural gas within California through effective Risk Management approaches that are built upon a cooperative, proactive and transparent working relationship between the Natural Gas Pipeline Industry and California's Regulatory agency, the CPUC.

Symposium Title; California's Natural Gas System-Rebuilding for a Safe Future *

Sponsors; CPUC, PG&E, SoCal, San Diego Gas and Elec. and Southwest Gas.

Beneficiaries of a Successful Symposium; The People of California

Attendees; Operations, Integrity Management/Risk Management/ Risk Assessment/ Risk Mitigation, Policy/Procedure, Engineering and Safety Personnel from Industry and appropriate CPUC Staff. In addition, invitees would include California Fire Marshall's, IBEW/UWA Leadership, Key State and Local Legislators/Legislative Staff, Housing/ Zoning Commissions, and all interested and accredited media.

Estimated Cost; Total out of pocket Costs to include a reception/buffet and day long meeting should not exceed $50,000.00 with industry sponsors paying 90% and the CPUC posting a not to exceed sponsorship burden of $5,000.00.

Scope-What this is; This would be a "Working" Symposium designed to; 1. Allow people in industry and government who are necessarily interdependent on one another to meet and hopefully to talk and share. 2. Presentations and workshops will be designed to share practices for risk assessment and risk mitigation and to better understand the needs of regulators. 3. To understand the expectations for safety and the costs of failure 4. To learn that safety, with respect to human life and property is non negotiable 5. To understand that everyone (industry/regulators/public officials and the public) are all in the same boat

together.

Scope-What this is not; This Symposium is not an industry bashing opportunity. Nor is it an opportunity for politicians, lobbyists, lawyers, company executives or public relations people to advance a self-interest point of view. This is not about fines or litigation or rate cases or the cost of service or about effectiveness of Smart Meters etc – This is about making the people of California safe-sustainably so!

Agenda for the Symposium

Day 1

6-7:00 PM Reception
7-9:00 PM Dinner and Speaker

Keynote Speaker; Gov. Brown-Governor of the State of California-To speak about what the people of California expect from the companies who serve them and the regulators who represent them with respect to safety. What is the appropriate balance between safety and the cost of providing it? Hopefully he will find value for this type of bi-partisan effort, in a non political sense, to try and find a way for California to lead the nation in the area of pipeline safety while understanding and ensuring that the means are available for private industry to survive and prosper while delivering this service.
(Our back-up Speaker would be Senator Diane Feinstein).

Day 2

8:30 AM Keynote Speaker; Chairman Hersman-Chairman of the NTSB-To Speak about some of the nation's most serious pipeline accidents investigated by the NTSB-the costs in human terms and property damage, the most significant findings and lessons learned from those disasters and the actions that the NTSB believes can be taken to make gas pipelines safer. Hopefully she can support the theme of cooperation between industry and regulators as being essential to a successful outcome.

9:00 AM Kick-Off-President Peavy-President of the CPUC-To set the tone for the Symposium. To create the expectation for listening and learning from one another. That we

are all in the same boat with respect to public safety.

9:15 Break

9:30 Panel Presentation/Discussion-Risk Assessment (the panel will include one presenter from each sponsor company and one member of CPUC's Staff-Executive Director Clanon or designee).

Topics to be covered by the Panel

. What factors and conditions increase the likelihood of gas transmission and distribution pipeline failures and what could be the consequences associated with failure?

. How these factors and conditions are identified to focus on weaknesses in systems, before failure.

. What data is used and how is it collected?

. How can system-wide data, regional/State data and national data assimilated and shared?

. What are the challenges to successfully identifying and collecting data helpful to predicting the likelihood of failures and the severity of consequences?

. What data do regulators need?

Agenda continues;

11:30 Lunch

12:00 Lunch Speaker- Topics to covered by the Speaker-It is our thinking that this role could best be handled by General Hagan of the CPUC (a nice way to introduce him to industry by dealing with topics that can be seen as conciliatory rather than confrontational)-just a thought.

. How can utility companies and regulators work more effectively and transparently in the area of public safety?

. How can the CPUC and the utility companies work together to ensure that pipeline safety risk management programs (risk assessment and mitigation) across the State of California meet the needs of utility companies and the State?

. How will the CPUC address any differences in company risk management programs and the CPUC's focus on risk management?

and this work needs to begin quickly
The PUC needs to make contact with targeted keynote speakers to determine interest and availability.
The PUC needs to identify other key California gas company sponsors and initiate contact to explain the concept and dates and hopefully gain support.

It would be desirable to target the week of May 21st, 2012 for Hall and Asso. to host a Symposium Planning Session with PUC and PG&E Symposium Coordinators to review preliminary plans and to move coordination/ownership for the Symposium forward.

Summary; It is the design intent for this symposium that the meeting represents, as much as possible, an apolitical opportunity for industry and the regulator to move the ball to benefit public safety in gas operations in California. The symposium should be viewed as the first of a series of these symposiums which can be easily expandable in the future to a "Safe California Energy" meeting which could address electricity and even liquid fuels as well as gas. The symposium should be viewed by the media and the public as a positive development that benefits public safety by focusing on the "how to" of risk assessment and risk mitigation. The opportunity for making contacts, sharing ideas and learning about the needs of the "village" it takes to ensure safe operations will be represented by this first of its kind cooperative effort between affected companies and the public. All participants to the symposium will need to be encouraged to participate openly and completely-the concept here must be that in the area of public safety there are no proprietary concepts-only ideas that work and ideas that do not, and why. The elephant in the room issue about who pays for things can be managed through the traditional rate making approach. The tone for the symposium will be cooperative, not confrontational. The media will say what they will say about the concept and the reality of what the symposium produces-for the sake of transparency all accredited media who wish to attend will be permitted, and in fact encouraged to do so. The stature of our key note speakers (Chairman Hersman and Gov. Brown) is intended to generate interest and participation in the symposium itself and to establish clear and proper expectations for the expected results. As to performance metrics for the symposium I would suggest that; 1. what the media writes and 2. how the PUC and the companies interact following the symposium will represent the rather subjective assessment for the symposium.

The Title of the Symposium is important as it conveys much to the range of Stakeholders in California. Because of this Hall and Asso. Believes that the ultimately chosen title should be a collaborative effort between the CPUC and the initial industry sponsor, PG&E. However, for consideration, other than the title used in the proposed agenda, some examples could include;
Natural Gas Systems-Reducing Risk and Improving the Infrastructure
Natural Gas Systems-Reducing Risk and Rebuilding Infrastructure
You could precede any title by adding California or the US depending on the collective view of the scope of the Symposium

Hall and Asso.'s are available to assist the meeting owners in the development of this symposium to the extent desired.

DF3-5/9/12

Hagan, Jack (Brigadier General – CA)

OC Comm
Oct 25

From:	Zafar, Marzia
Sent:	Thursday, June 28, 2012 7:14 AM
To:	Hagan, Jack (Brigadier General – CA)
Cc:	Clanon, Paul
Subject:	Re: Safety Symposium

Oct 23
SoCal Symp

Hello,
I think this is good. I would like to suggest for your consideration two changes;

1. Under the section titled "what will success look like", I would suggest making this very simple - success is when the industries the CPUC regulates have all integrated safety in their culture and safety is priority #1. And success is when the CPUC has completely transformed its regulation from one based on self-reporting and check the box regulation to one based on risk assessment. (we would have accomplished our goal once the above two issues are completed)

And I also believe that the mission statement is a little too broad. We don't have jurisdiction over all safety related matters; our jurisdiction is over the public and employee safety of the industries we regulate and so our mission should be limited to that only.

NO 22-26

These are just my thoughts. You and Paul are closer to the issue and therefore know the issue better.

Marzia

On Jun 28, 2012, at 4:54 PM, "Hagan, Jack (Brigadier General – CA)" <emory.hagan@cpuc.ca.gov> wrote:

> Updated version
>
> Brigadier General (CA) Emory J. Hagan, III
> Director
> Consumer Protection and Safety Division
> California Public Utilities Commission
> 505 Van Ness Avenue
> San Francisco, CA 94102
> (916) 267-7201 Mobile
> ejh@cpuc.ca.gov
>
> <Safety Symposium.doc>

Board member only = Program =

7/10/12
FINAL D - TO TALK

Safety Symposium

A Proposal For A Series Of Symposiums Beginning In 2012 That Will Address Issues and Seek Solutions To Concerns Relating to Public Safety In The Public Utility Sector Of The State Of California.

Sponsors; California's Public Utility Companies and the California Public Utility Commission (CPUC).

Mission; Define, Create and Sustain a Safety Culture in the State of California

Objectives;
. Define the End Game for Public Safety in California
. Quantify Where We Are Now
. Agree on what Safety Culture is Required to Move Us from Our Current State to Our Desired State

Scope of the Symposiums; These will be working meetings that are designed; 1. To allow people in industry and government who are necessarily interdependent on one another to meet, talk, share and make recommendations that are consistent with the Symposiums' objectives, 2. Provide for workshops, panels and presentations that will be designed to share best practices in areas affecting public safety, 3. To understand the expectations for safety and the consequences of failure, 4. To allow industry to understand what the regulators need and why they need it, 5. To affirm that safety, with respect to human life and property is non-negotiable, and, 6. To understand that all parties to these symposiums, including the people of California share the same goal of dramatically improving the safety of our public utility systems.

Disclaimer; The Symposiums are not to be construed as opportunities to advance self-interest, debate rate cases, position for litigation nor provide a forum for mandates.

Attendees; Sponsoring Companies and the CPUC will send individuals who bring subject expertise to the topics of the Symposium and who are of an appropriate level in their respective organizations to influence and advance the solutions advanced.

"Forging a new Vision of Safety in California

Safety Symposium

Improving Safety Public

A Proposal For A Series Of Symposiums Beginning In 2012 That Will Address Issues and Seek Solutions To Concerns Relating to Public Safety In The Public Utility Sector Of The State Of California.

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decision makers and leaders of this

Schedule

Fly in
End of Work
1800 - 1900 Reception
1900 - 2100 Dinner = Speaker

0830 - Start. Key Note Speaker
0900 Heavy
0915 - Break
0930 Panel
1130 lunch
1200 BG H
1315 Panel
14:30 Break
15:00 Panel
16:00 Close

- Lose 20%
- Lose 30% (50%)

1200 lunch
1300 Key Note
600.
1330 Heavy
1400 Panel

1600 Close
1700 Reception
1800 Dinner
BG H.

0900 Start.
1130 Close
lunch.

"Rebuilding for a Safe Future"

Safety Symposium

Reforming	Shaping	✓ Culture	Safety
Redefining	Forging	Attitude	
Refitting		Paradigm	
Reshaping		Atmosphere	
Changing		Perception	
1. ✓ Altering		Focus	
Adjusting		View	
✓ Transforming		Role	
Rebuilding		Responsibility	
Forging	Improve Safety	Mentality	
Creating		Vision	
✓ Developing		ERA	

Forging a new Era of Safety in California
Vision

Issues
Title
Mission
~~Spec~~ Cmdr's Intent = Why + what does success look like.
Concept of Ops - Schedule
Specified Task
Implied Task
Command + Control
Admin + Logs

Start with End in Mind.

Series of Symposiums which build upon themselves and branch out to all the regulated industries.

Start with Gas + move forward.
- Proactive
- Forward thinking
- Vision for future.
- Path forward.
- Safety is non-negotiable. (Human life + Property)

Meet + Interact + Share
Define Risk Management - Risk Assessment.
Risk Migration Safety Culture

Roles + Responsibilities
CPUC
CPSD
Industry
legislature.

☐ What does the Public Expect
- Pay a fair rate for their Utilities
- Not die in their own home. no cost of having gas or electricity in their home.

☐ Public Affairs/Communications = How to handle a disaster = (Institutions + Regulators)
Lessons learned
Best Practices
How to get better.

California Gas Safety Symposium

May 7-8, 2013

San Francisco, CA

Panel Recommendations:

Industry

1. Nick Stravropolous, PG&E
2. Ron Jibson, 2013 AGA Chair
3. TBD, Sempra

Other Industry

1. Alaska Airlines
2. Electric Industry
3. Chemical Industry

Government

1. CPUC/NARUC
2. Randy Knepper, NAPSR
3. Jeff Wiese, PHMSA

Public/First Responders

1. Joanne Hayes-White, SF FD
2. Carl Weimer, Pipeline Safety Trust
3. Tim Butters, PHMSA

Presentation Topics:

1. Customer Owned Yard Lines Program – Southwest Gas
2. Emergency Response Training/Liaison – Southwest Gas, Sempra, PGE)
3. Safety Management Systems (API committee drafting) – API/Kinder Morgan
4. Commitment to Enhancing Safety – AGA
5. ASV/RCV – Susan Fleming/GAO

- SAFETY

Attendees
150-200
- Utilities
- Industry
Public
-- GAO's PANEL (Smith)
- Elected OFFICIAL

First Annual Joint Symposium on Gas Safety

May 7-8, 2013

San Francisco

Tuesday, May 7

1:30 pm	Welcome – General Jack Hagan, CPUC
1:45 pm	General Session: Debra Hersmann, Chair, NTSB
3:00 – 3:15	Break
3:15 – 4:30	Speaker, e.g., Power of Collaboration: Chris Hart (NTSB Board Member); or panel discussion from industry
6:00	Reception
7:00	Dinner – Peevey welcome

PG&E to cover Sullenberger on the 7th - DENNIS

Wednesday, May 8

8:00	Continental breakfast
9:00	Speaker, e.g., GAO rep Susan Fleming (Director, Physical Infrastructure, GAO, manager of recent GAO study on need to improve pipeline operator incident response)
10:00	Breakout sessions
11:45	Lunch
12:45	Reports from breakout sessions
2:00	Next steps/wrap up: General Hagan
3:00	Close

Potential Themes

- Redefining pipeline safety regulation: Industry/Regulatory collaboration models
- How will we verify and measure safety – metrics
- Emergency response: GAO report; need to measure industry incident response
- Panel of companies that have had high visibility incidents: perspectives day after, year after, 10 years after
- Beyond compliance: Building trust while improving safety

Intended participants

- CPUC Commissioners [publicly noticed meeting]
- CPUC SED staff and leadership
- CA Gas Utilities: staff, leadership and Boards

- Labor
- Legislators/staff
- Stakeholders
    - San Bruno
    - TURN
    - CCSF
- Media

Other Potential speakers (beyond Hersmann)

Susan Fleming, GAO

Chris Hart, NTSB

Other national gas utilities with pipeline incident experience

Linda Daugherty, Deputy Associate Administrator for policy and programs, PHMSA

Jeff Wiese, Associate Administrator for Pipeline Safety, PHMSA

Steve Fischer, Director of Program Development for the Office of Pipeline Safety, PHMSA

Carl Weimer, ED, Pipeline Safety Trust

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	Welcome Brigadier General (ret.) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	Keynote Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
2:45 – 3:00	Break

3:30 p.m.	Panel 1: Building a Climate and Culture of Safety
	Moderator: TBD
	TBD – Alaska Airlines
	Captain Judy Bridges, *USN, Director School of Aviation Safety, Pensacola, FL*
	Robert C. Bigelow, *President, Advanced Energy Design, LLC*
	Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*
	Nick Stamopoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	Adjourn

Evening Event (Optional)

6 p.m.	Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco
7 p.m.	Dinner
	Evening Keynote: Captain Chesley Sullenberger, *former U.S. Air Force, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	Panel 2: Effectively Managing Pipeline Emergency Response
	Moderator: TBD
	Jerry Schmitz, *Vice President, Engineering, Stoffell and Cain*
	Joanne Hayes-White, *Chief, San Francisco Fire Department*
	Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*
	Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	Break
10:15 a.m.	Panel 3: Leading Safety – What Does Regulator, Leadership Look Like?
	Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*
	Commissioner Mike Florio, *California Public Utilities Commission*
	Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*
	Chris Johns, President, *Pacific Gas and Electric Company*
	Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	Concluding Remarks
	President Michael R. Peevey, *California Public Utilities Commission*
	Brigadier General (CA) Jack Hagan, *Director, Cyber and Homeland Defense, California Public Utilities Commission*
12:30 p.m.	Adjourn

1:15 Panel Presentation/Discussion-Risk Mitigation (the panel will include one presenter from each sponsor company and from the CPUC's Staff-Director Clanon or designee).
Topics to be discussed by the Panel

. How data is used, analyzed and weighed to establish priorities and objectives to reduce risk.
. How objectives and priorities are incorporated into a plan.
. How the plan is implemented and monitored.
. What have been some of the specific actions taken to reduce risk.
. How performance is measured.

2:30 Break

3:00 Panel (Risk Mitigation) Discussion-Industry

4:00 Closing Remarks-Commissioner Florio

Path Forward

Paul and Nick need to approve the concept and approach-given the time remaining to the target symposium date I would suggest this be the highest priority. I am confident that PG&E as the proxy company representing industry for the symposium will need to run the concept up the flag pole and get buy-in from its Government Relations and Public Relations functions. The PUC will likewise need political and staff buy-in.
The PUC and PG&E need to appoint key personnel to own the symposium and manage the details to completion.
PG&E has resources to investigate and contract for site requirements for the symposium

The Title of the Symposium is important as it conveys much to the range of Stakeholders in California. Because of this Hall and Asso. Believes that the ultimately chosen title should be a collaborative effort between the CPUC and the initial industry sponsor, PG&E. However, for consideration, other than the title used in the proposed agenda, some examples could include;
Natural Gas Systems-Reducing Risk and Improving the Infrastructure
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You could precede any title by adding California or the US depending on the collective view of the scope of the Symposium

Hall and Asso.'s are available to assist the meeting owners in the development of this symposium to the extent desired.

DF3-5/9/12

Hello,

In advance of tomorrow's here are my thoughts. I'm pretty direct and to the point, but I hope that does not in any come across as dis-respectful. It is not meant to be in any way.

1. My first issue is with the title; yes, it is something very simple and can be fixed easily, but at the same time it is the first impression and that's very important. The title of the symposium is "California's Natural Gas System-Rebuilding for a Safe Future". This is ridiculous, because it suggests that our whole system is sub-par and is about to explode. San Bruno happened as a result of various levels of failures from all involved, but there is no need to alarm everyone continuously by harping on San Bruno. The SoCalGas system has been an industry example. We need to focus on "check the box regulation" and how we should transform this mentality. Once that mentality is transformed the utilities will naturally transform their culture to meet the regulators needs.

2. My second issue with the symposium is that its focus is not narrow and reactive. I mean, why do we need a disaster like San Bruno to have a symposium on safety? Why can't we be proactive and tackle safety of both electricity and natural gas systems. Take a look at the questions that this

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

RECEIVED
SEP 28 2012
Commissioner PEEVEY'S OFFICE

September 27, 2012

MEMORANDUM

To: Energy Conference Invitees/Observers
From: Patrick Mason, President
Re: **HOLD THE DATE: ENERGY CONFERENCE, April 25 – 26, 2013**

The California Foundation on the Environment and the Economy (CFEE) will conduct a roundtable policy conference on **Energy**.

Date and Time: Thursday, April 25th starting with a buffet lunch at Noon and concluding no later than Friday, April 26th at 2:00 pm.

Place: San Francisco Bay Area

The conference will convene CPUC and California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation and regulation on carbon, efficiency, conservation, renewable energy and distributed generation. The conference will specifically focus 8 years ahead to the 2020 deadlines for the California Global Warming Solutions Act (AB32).

The steering committee is developing an agenda, which will focus on the role of state and federal regulatory policies and address concerns relating to:

- Integration of 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling greater achievements in Demand Response and other conservation programs

A formal invitation with details along with a complete list of invitees and agenda will follow. If you have any questions, please call Celeste Cremen at 415-788-0812 or email her at celeste@cfee.net.

PFM/nt

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

November 26, 2012

Mr. Michael R. Peevey
President
California Public Utilities Commission
505 Van Ness Ave., Rm 5205
San Francisco, CA 94102

Dear Mr. Peevey,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Gonzalez, Nuria

From: Peevey, Michael R.
Sent: Tuesday, December 04, 2012 12:26 PM
To: Gonzalez, Nuria
Subject: Conference

Tell Celeste at CFEE I will attend the April 25-26 energy conference at Silverado.

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Michael R. Peevey**
TITLE: **President**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: 252529

Billing: Room & Tax to Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

Patrick F. Mason, Ph. D.
President

April 11, 2013

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California**.

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

LOCAL GOVERNMENT

Paul Krekorian, Los Angeles City Councilmember, District 2

BUSINESS / INDUSTRY

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Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
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Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

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Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
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PUBLICLY-OWNED UTILITIES

Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

* Confirmed
List @ 11/27/2012

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, President, GenOn Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
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* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator

OBSERVERS

Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Karen Edson, Vice President, External Affairs

DRAFT AGENDA

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th

12:00 pm - 1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm - 1:15 pm – Welcome and Introduction – Silverado West Ballroom

**Patrick F. Mason*, President, CFEE

1:15 pm - 2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

**Jan Smutny-Jones,* Executive Director, Independent Energy Producers Assoc.
**Stephen Berberich*, President & CEO, California Independent System Operator

2:00 pm - 2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

**Michael Peevey*, President, California Public Utilities Commission
**Robert Weisenmiller,* Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm - 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

***Andrew McAllister,** Commissioner, California Energy Commission
***Mark Ferron,** Commissioner, California Public Utilities Commission
***Ron Nichols,** General Manager, Los Angeles Department of Water and Power
***Sheryl Carter,** Co-Director Energy Program, Natural Resources Defense Council
***Kevin Evans,** Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm - 3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

***Nick Chaset,** Governor's Special Advisor for DG, CHP and Energy Storage
***Laura Wisland,** Senior Energy Analyst, Union of Concerned Scientists
***Jim Avery,** Senior VP, Power Supply, Sempra Energy Utilities
***Tom Starrs,** VP, Market Development and Policy, SunPower Corporation

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

***Mary Nichols**, Chairman, Air Resources Board
***Michael Peevey**, President, California Public Utilities Commission
***Robert Weisenmiller,** Chair, California Energy Commission
***Stephen Berberich**, President & CEO, California Independent System Operator

Roundtable Discussion

*presenter confirmed

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot, Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.11.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

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* *Michael R. Peevey*, President (Day 1 & 2)
* *Mark Ferron*, Commissioner (Day 1 only)
* *Michel Florio*, Commissioner (Day 2 only)

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* *Andrew McAllister*, Commissioner

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  Virgil Welch, Special Assistant

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* *Cliff Rechtschaffen*, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*

* Confirmed
List @ 4/11/2013

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415 788 1786 www.cfee.net FAX 415 986 2227

* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

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* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
* *Roger Hernández*
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*
* *Scott T. Wilk*
* *Das Williams*

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* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Executive Vice President & Chief Executive Officer, Transwest Express
  James Earp, Executive Director, California Alliance for Jobs
* *Kevin Evans,* VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
  Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
  Johnnie Giles, Vice President, Government Affairs, Comcast Cable
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy
* *Michael Mallonee*, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

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* *James P. Avery,* Senior Vice President - Power Supply, Sempra Energy Utilities
* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
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* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council

* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney,* Executive Director, The Utility Reform Network (TURN)

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* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

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* *Emilie Chu,* Controller
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty,* Director, Regulatory Affairs, NRG Energy
* *Gregory Blue,* Regulatory & Government Affairs, GTB Consulting
  Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin,* Energy Advisor to Commissioner Ferron, C.P.U.C.
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
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* *Kerry Hattevik,* Director of West Market Affairs, NextEra Energy Resources
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley,* Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Stephen J. Larson,* Executive Director, California Energy Systems for the 21st Century
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Chloe Lukins,* Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
* *James Metropulos,* Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *William Miller,* President, TransWest Express, LLC
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
* *Robert Oglesby,* Executive Director, California Energy Commission
* *Alan Padgett,* Vice President, Assest Management, GasCo, Dynegy Inc.
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier,* Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph,* Director, Energy Division, C.P.U.C.
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
* *Matthew Tisdale,* Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
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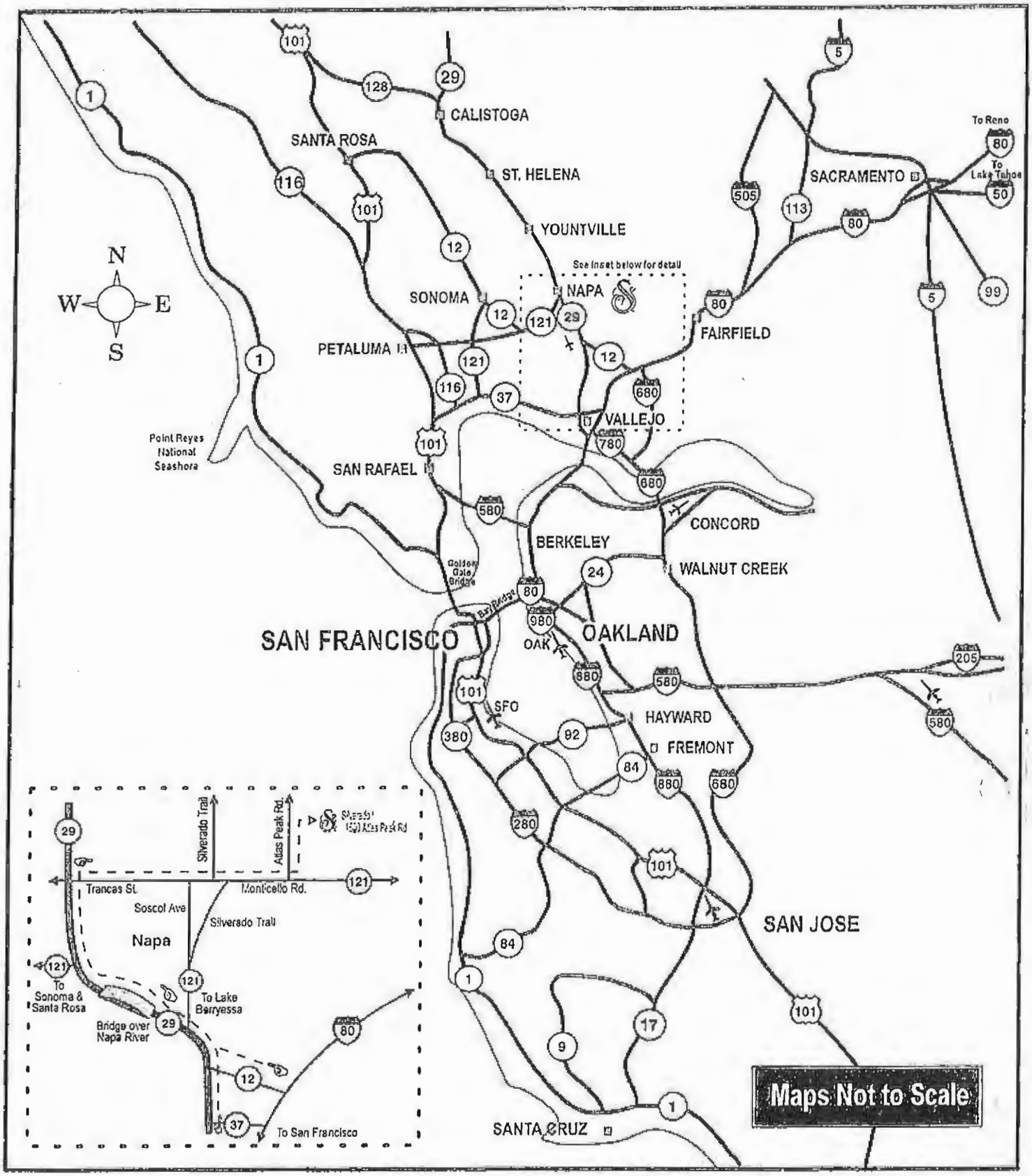
* *Laura Wisland,* Clean Energy Analyst, Union of Concerned Scientists
* *Susan Wood,* Chief Executive Officer, SCC Americas



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Karen Edson, Vice President, External Affairs

EXHIBIT K

STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

January 22, 2014 **VIA ELECTRONIC MAIL**

Britt K. Strottman
Meyers Nave
555 - 12th Street, Suite 1500
Oakland, CA 94607
bstrottman@meyersnave.com

Re: Public Records Act Request
CPUC Reference No.: PRA #1065

Dear Ms. Strottman:

We have received your request for the following documents:

I. **Communications between Commission, CPUC Employees, and/ or PG&E Employees Regarding Citation Number 13-005:**

A. Documents.

All Documents relating to citation number 13-005 dated December 5, 2013:

1. Any and all proposals, including, without limitation proposals related to the amount, scope, structure, recommendations, timeframe or disposition, including the addendum to the payment of citation number 13-005, of citation number 13-005 dated December 5, 2013 whether made by PG&E Employees, Commissioners, CPUC Employees, or any combination thereof.
2. Any proposals, requests or suggestions from Commissioners, CPUC Employees, or PG&E Employees relating to citation number 13-005 dated December 5, 2013.
3. Copies of all contracts, agreements or any amendments thereto relating to citation number 13-005 dated December 5, 2013.
4. Copies of all materials to be distributed publicly, including, without limitation, statements, press releases and flyers related to related citation number 13-005 dated December 5, 2013.

B. Meetings between Commissioners, CPUC Employees and PG&E Employees.

Identify any individual or recurring meetings scheduled or held amongst Commissioners (including staff members and/ or CPUC Employees and PG&E Employees, or any combination thereof, concerning the Subject Matter of citation number 13-005 dated December 5, 2013. Please specify the invitees, attendees and location for each such meeting and the individual(s) that requested and/ or organized the meeting.

C. Documentation related to CPUC-PG&E Meetings.

1. Preparation, Handouts, Documentation, Summaries. Any and all documents used in preparation for, reflecting, summarizing or otherwise discussing citation number 13-005 dated December 5, 2013.

2. Follow Up. Any and all Documents used or generated in or as a result of the meetings or communications identified in citation number 13-005 dated December 5, 2013.

II. Internal Commission Discussions Regarding Citation Number 13-005 Dated December 5, 2013

A. Documents.

All versions of Documents relating to citation number 13-005 dated December 5, 2013, along with disclosure of whether such Documents were drafted by Commissioners and/or CPUC Employees.

1. Any and all proposals, including, without limitation proposals related to the amount, scope, structure, recommendations, timeframe or disposition of citation number 13-005 dated December 5, 2013 whether made by Commissioners and/ or CPUC Employees or any combination thereof.

2. Any proposals, requests or suggestions from Commissioners and/ or CPUC Employees relating to citation number 13-005 dated December 5, 2013.

3. Copies of all contracts, agreements or any amendments thereto relating to citation number 13-005 dated December 5, 2013.

4. Copies of all materials to be distributed publicly, including, without limitation, statements, press releases and flyers related to related citation number 13-005 dated December 5, 2013.

B. Internal Commission Discussions Re: Citation number 13-005 Dated December 5, 2013.

1. Meetings. Identify any individual or recurring meetings scheduled or held amongst the Commissions themselves, CPUC Employees, or amongst the Commission and CPUC Employees, concerning citation number 13-005 dated December 5, 2013.
2. Preparation, Handouts, Documentation, Summaries. Any and all Documents reflecting, summarizing or discussing communication by or amongst the Commission (including General Counsel Frank Lindh, Executive Director Paul Clanon, Elizaveta Malashenko, Kenneth Bruno, and SED Director Jack Hagan), Commissioners, commissioner's staff and CPUC Employees, or any combination of such parties, in relation to the meetings or communications regarding citation number 13-005 dated December 5, 2013
3. Follow Up. Any and all Documents used or generated in or as a result of any meetings or communications regarding citation number 13-005 dated December 5, 2013.

We have consulted with Commission Safety and Enforcement Division and other relevant staff to develop the following response to your records request.

We understand from looking at your request that you have reviewed the responsive records that are available on the Commission's internet site.

In response to Item 1-A:

Below is the link to the location on our website wherein you will find the posted the Commission records regarding Citation #13-005
http://www.cpuc.ca.gov/PUC/safety/Pipeline/citations.htm.

We have attached to this letter the following additional responsive documents.

1. Email from Kenneth Bruno to Jane Yura dated December 5, 2013
2. Email from Kenneth Bruno to Paul Clanon, Terri Prosper and to Brian Turner dated December 5, 2013
3. Email from Frances Yee to Elizaveta Maleshenko dated December 16, 2013
4. Letter dated December 16, 2013 re Citation #13-005 Payment
5. Citation 13-005 Check Citation Payment Form Addendum

In response to Item I-B:

> The Commission staff did not have any pre-citation meetings with PG&E or any Commissioner.

In response to Item I-C:

> Since the Commission staff did not hold any pre-citation meetings with PG&E or any Commissioner, there are no documents associated with such meetings.

In response to Item II-A and Item II-B:

> Many of the items responsive to Part I of your request are also responsive to Part II.

I will not be providing you with records, or portions of records, that include information subject to the attorney client privilege, attorney work product doctrine, deliberative process privilege, or official information privilege. Such records are exempt from disclosure in response to your request, pursuant to Government Code § 6254(k).

I hope this is helpful.

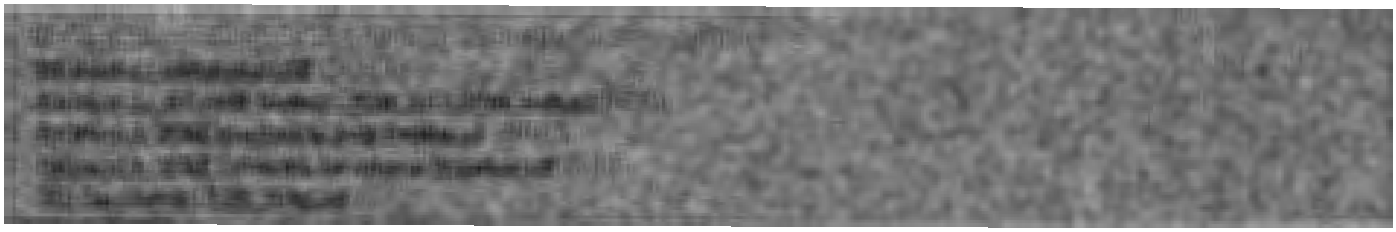
Very truly yours,

Fred Harris

Fred Harris
Staff Counsel

Malashenko, Elizaveta I.

From:	Bruno, Kenneth
Sent:	Thursday, December 05, 2013 3:22 PM
To:	Yura, Jane
Cc:	Hagan, Jack (Brigadier General – CA); Doll, Laura (LRDD@pge.com); Malashenko, Elizaveta I.; Robertson, Michael; Magee, Charles H.
Subject:	Citation 13-005 PG&E - 2012 OM&E Audit
Attachments:	Stubbed Attachments.htm



Dear Ms. Yura:

SED has issued a Citation in accordance with ALJ-274 for the 2012 OM&E Audit conducted by SED. Attached to this email Service is Citation 13-005 with Appeal form and Enclosures 1 – 4. A hard copy will also be mailed today. Please feel free to contact me with any questions. Thank you,

Kenneth Bruno
Supervisor – Risk Assessment & Enforcement
Safety and Enforcement Division
California Public Utilities Commission
Office: (415) 703-5265
Cell: (415) 852-2936

Malashenko, Elizaveta I.

From: Bruno, Kenneth
Sent: Thursday, December 05, 2013 5:18 PM
To: Clanon, Paul; Prosper, Terrie D.; Turner, Brian
Cc: Malashenko, Elizaveta I.
Subject: FW: Citation 13-005 PG&E - 2012 OM&E Audit
Attachments: Stubbed Attachments.htm

This message's contents have been archived by the Barracuda Message Archiver.
SED Gas Citation 13-005 PG&E.pdf (2 MB)

FYI – SED issued a citation to PG&E for $375,000 today for violations of GO 112-E stemming from their 2012 OM&E audit.

From: Bruno, Kenneth
Sent: Thursday, December 05, 2013 3:22 PM
To: 'Yura, Jane'
Cc: Hagan, Jack (Brigadier General – CA); Doll, Laura (LRDD@pge.com); Malashenko, Elizaveta I.; Robertson, Michael; Magee, Charles H. (charles.magee@cpuc.ca.gov)
Subject: Citation 13-005 PG&E - 2012 OM&E Audit

Dear Ms. Yura:

SED has issued a Citation in accordance with ALJ-274 for the 2012 OM&E Audit conducted by SED. Attached to this email Service is Citation 13-005 with Appeal form and Enclosures 1 – 4. A hard copy will also be mailed today. Please feel free to contact me with any questions. Thank you,

Kenneth Bruno
Supervisor – Risk Assessment & Enforcement
Safety and Enforcement Division
California Public Utilities Commission
Office: (415) 703-5265
Cell: (415) 852-2936

WARNING - THIS DOCUMENT CO[redacted]S A VOID PANTOGRAPH, COLORED BACKGRO[redacted]ND WATERMARK ON THE BACK

Pacific Gas and Electric Company 77 Beale Street, San Francisco, CA

BNY Mellon WCS
Everett, MA 02149

53-292
113

Date: 12/16/2013 Check No. 3575926 Pay $*******375,000.00*

*THREE HUNDRED SEVENTY-FIVE THOUSAND********** AND 00/100 DOLLARS

To The Order Of

CALIFORNIA PUBLIC UTILITIES COMMISS
ATTN FISCAL OFFICE ROOM 3000
505 VAN NESS AVE
SAN FRANCISCO CA 94102-3298

ACCOUNTS PAYABLE

Dinyar B. Mistry
VP, CONTROLLER, and CFO
Nicholas Bijur
VP and TREASURER

589006

⑈0003575926⑈ ⑆011302920⑆ 059978⑈

PLEASE FOLD FIRST THEN DETACH ALONG PERFORATION

CALIFORNIA PUBLIC UTILITIES COMMISS

Check no.	**3575926**
Date	**12/16/2013**
Your account number	**1014214**
Payment Document	**2000175006**
Our account with you	**TAULIA**

Invoice	Date	Discount	Net Amount	Comments
CITATION 13-005	12/13/13	0.00	375,000.00	SALLY CUARESMA, (A2C7) 77 BEALE ST # 1084 223-501
Totals:	USD	0.00	375,000.00	For Payment Inquiries, Call 1-800-756-PAID

Special Handle Code: 01

Malashenko, Elizaveta I.

From: Yee, Frances <FSC2@pge.com>
Sent: Monday, December 16, 2013 4:06 PM
To: Malashenko, Elizaveta I.
Cc: Hagan, Jack (Brigadier General – CA); Bruno, Kenneth; Yura, Jane; Gibson, Bill (Codes); Deniston, Laurence; Doll, Laura
Subject: Citation 13-005 - Follow-up Documentation
Attachments: Stubbed Attachments.htm

Liza,

PG&E delivered payment associated with Citation 13-005 to the CPUC's Fiscal Office today. I wanted you to be aware that included with the citation payment form is an addendum, both attached in this email. The addendum describes the substantial overlap between the subject of the citation and the subject of the Class Location OII, and requests that the Commission consider the citation and our penalty payment in its assessment of any subsequent penalty in Commission Order Instituting Investigation I.11-11-009 ("Class Location OII").

Given that this citation was not issued in a particular city and county, but rather applies broadly to PG&E's written procedures, PG&E did not provide any specific notifications to public agencies. Lastly, currently there are no known immediate safety hazards requiring immediate correction associated with this Citation.

Feel free to contact me with any questions.

Regards,

Frances Yee
Pacific Gas and Electric Company
Gas Operations | Codes & Standards | Regulatory Compliance
6111 Bollinger Canyon Road, Room 4250B
San Ramon, CA 94583
p: 925.328.5733 | c: 925.200.4736 | f: 925.328.5591

PG&E is committed to protecting our customers' privacy.
To learn more, please visit http://www.pge.com/about/company/privacy/customer/

State of California
Public Utilities Commission

Citation Date: 12/05/2013
Citation #: 13-005
Operator ID#: 15007

CITATION PAYMENT FORM

I (we) Pacific Gas and Electric Company (PG&E) hereby agree to comply with this citation dated December 5, 2013, and have corrected/mitigated the violation(s) noted in the citation on June 12, 2013 and no later than June 12, 2013, all work to make permanent corrections to any mitigated, or otherwise remaining concerns related to the violation(s) will be completed as noted in the Compliance Plan we have submitted to the Director of SED and, herewith, pay a fine in the amount of $375,000 as included in the citation.

Signature of Gas Corporation Treasurer,
Chief Financial Officer, or President/CEO,
or delegated Officer thereof

Nickolas Stavropoulos 12/12/13
(Signature) (Date)

Nickolas Stavropoulos
Executive Vice President of Gas Operations
(Printed Name and Title)

Payment with a check must be made payable to the ***California Public Utilities Commission*** and sent to:

California Public Utilities Commission
Attn: Fiscal Office
505 Van Ness Avenue
San Francisco, CA 94102-3298

NOTE: A copy of the completed Citation Payment Form must be sent to the Director of the Safety and Enforcement Division, via email or regular mail, to the addresses provided on the Citation.

Citation Date: December 5, 2013
Citation #: 13-005
Operator ID#: 15007

ADDENDUM TO CITATION PAYMENT FORM

In connection with the above-referenced citation ("Citation") and payment of the associated fine, respondent Pacific Gas & Electric Company ("PG&E") notes that the violation identified in the Citation substantially overlaps with the subject matter of Commission Order Instituting Investigation I.11-11-009 ("Class Location OII"). For example:

- The Class Location OII specifically identified issues relating to PG&E's continuing surveillance program pursuant to 49 CFR §192.613 as falling within the scope of that proceeding: "Federal regulations require a natural gas transmission pipeline operator to have a procedure for continuing surveillance of its facilities to determine and take appropriate action related to changes in class location, failures, leakage history, corrosion, substantial changes in cathodic protection requirements, and other unusual operating and maintenance conditions. (See 49 C.F.R. §192.613.)"

- The OM&E Audit in which SED identified the Citation was conducted from February 14-17, 2012, during the pendency of the Class Location OII.

- SED's (then CPSD) May 2012 Investigative Report in the Class Location OII – issued after the OM&E Audit – included violations of §192.613 for failing to maintain a continuing surveillance procedure.

- SED's opening brief in the Class Location OII, filed in November 2012, alleged that PG&E did not maintain a formal continuing surveillance procedure.

Given the substantial overlap between the subject matter of the Citation and the subject matter of the Class Location OII, PG&E respectfully urges the Commission to take into account PG&E's $375,000 payment submitted today in connection with assessment of any subsequent penalty in the Class Location OII.

Pacific Gas and Electric Company

Brian K. Cherry
Vice President
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-6520

December 16, 2013

Fiscal Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, California 94102

RE: Citation # 13-005

Enclosed please find check No. 3575926, dated 12/16/2013 in the amount of $375,000.00, and PG&E's completed Citation Payment Form, as required by Citation # 13-005, dated 12/5/2013. In addition, an Addendum to Citation Payment Form is attached.

Sincerely,

Brian K. Cherry
VP, Regulatory Relations

Enclosures

cc: Paul Clanon, Executive Director
Brigadier General Jack Hagan, Director, Safety and Enforcement Division
Kenneth Bruno, Program and Project Supervisor, Risk Assessment & Enforcement
Michelle Cooke, Interim Deputy Director, Executive Division

Received by CPUC:

Signature

(Please Print Name and Date)

STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298
ID 94-3031353

December 6, 2013

Britt K. Strottman
Special Counsel, City of San Bruno
Meyers Nave
555 – 12th Street, Suite 1500
Oakland, CA 94607
bstrottman@meyersnave.com

VIA ELECTRONIC MAIL

Re: Public Records Act Request
CPUC Reference No.: PRA #933

Dear Ms. Strottman:

You ask the California Public Utilities Commission (Commission/CPUC) to provide you copy of the following:

- Any *citations'* or issued under *Resolution ALJ 274* by the *Consumer Protection and Safety Division (CPSD)* against natural gas utilities from December 7, 2011 until present.
- *Citations CPSD* Director Jack Hagan has issued against gas utilities since his tenure at the *Commission.*
- Proposed *citations* that have been submitted, but are outsanding for final approval, by *CPSD* Director Jack Hagan.

Among other things, the City of San Bruno requests Commission records regarding the Resolution ALJ-274 Safety Citation Program.

I am sending you a list of, and links to, the Commission records responsive to this request.

RECORDS OF CITATIONS RELATED TO RESOLUTION ALJ-274

These records are available on the Commission's internet site, under the tab for Transportation and Safety Enforcement, and the links for Pipeline Safety, Pipeline Safety Citations Issued, and CPUC Fines PG&E $16 Million Through Citation Program Pipeline Safety
http://www.cpuc.ca.gov/PUC/safety/Pipeline/

Citation Information
http://www.cpuc.ca.gov/PUC/safety/Pipeline/citations.htm

Standard Operating Procedure
http://www.cpuc.ca.gov/PUC/safety/Pipeline/Standard_Operating_Procedure_for_Citations.htm

Citations Issued
http://www.cpuc.ca.gov/PUC/safety/Pipeline/citations.htm

Pipeline Safety Citations Issued
http://www.cpuc.ca.gov/PUC/safety/Pipeline/citations.htm

Standard Operating Procedure for Citations
http://www.cpuc.ca.gov/PUC/safety/Pipeline/Standard_Operating_Procedure_for_Citations.htm

Press Release Announcing Citation Program
http://docs.cpuc.ca.gov/published/News_release/154502.htm

Resolution ALJ-274
http://docs.cpuc.ca.gov/WORD_PDF/AGENDA_RESOLUTION/154205.pdf

Citations Issued
November 18, 2013: Citation to PG&E for $50,000 for violations
http://www.cpuc.ca.gov/NR/rdonlyres/0FB67E86-11CF-46A5-AC5C-1A0209099D42/0/SEDGasCitation12004PGE.pdf

Enclosure 1
http://www.cpuc.ca.gov/NR/rdonlyres/6E604A3D-66E6-4548-B8F9-56F8D4E9662C/0/Enclosure1SelfIdentifiedLetterdated2242012.pdf

Enclosure 2
http://www.cpuc.ca.gov/NR/rdonlyres/76A65A5B-1165-4524-8800-105BC92463D6/0/Enclosure2SelfIdentifiedLetterdated5112012.pdf

Enclosure 3
http://www.cpuc.ca.gov/NR/rdonlyres/79DE501B-1D8B-4179-B5FE-978E9AA9F1F0/0/Enclosure3SelfIdentifiedLetterdated5182012.pdf

Enclosure 4
http://www.cpuc.ca.gov/NR/rdonlyres/8639423B-503E-4F41-A553-2629EA0FE8F7/0/Enclosure4SelfIdentifiedletterdated7312012.pdf

Enclosure 5
http://www.cpuc.ca.gov/NR/rdonlyres/B005F4D5-A2D9-4E26-B673-3AD9ED4C1330/0/Enclosure5SelfIdentifiedLetterdated362013.pdf
November 5, 2013: $8.1 Million Citation issued to PG&E for Non-Standard Pipeline Testing

Citation
http://www.cpuc.ca.gov/NR/rdonlyres/3BDE82E8-8484-48CE-8DFB-1FEAA8449C9E/0/Citation13003PGE.pdf

Letter to PG&E
http://www.cpuc.ca.gov/NR/rdonlyres/7ED0E0F1-1C4D-4DD8-8DDC-49A008270C04/0/Enclosure1LettertoPGE.pdf

Press Release
http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M081/K460/81460968.PDF

October 25, 2013: Citation Issued to Southern California Gas Company for $150,000 for missing a leak survey on a distribution line
http://www.cpuc.ca.gov/NR/rdonlyres/984DE4B2-54B2-4D12-B04D-C462CD810E3B/0/SEDGasCitation13002SoCalGas.pdf

Enclosure 1
http://www.cpuc.ca.gov/NR/rdonlyres/63AB07F2-6F29-46F8-AE49-D9CD9435DEBC/0/Enclosure1SEDInvestigationReport13002.pdf

Enclosure 2
http://www.cpuc.ca.gov/NR/rdonlyres/F282DBA1-0C2D-4C6D-A905-6A7FB599E3F9/0/Enclosure2SCG13002.pdf

Enclosure 3
http://www.cpuc.ca.gov/NR/rdonlyres/7C500207-D2DE-47C4-BA5F-76DFA1EAC3EC/0/Enclosure3SCG13002.pdf

November 4, 2013: Southern California Gas Company Appeal of Citation
http://www.cpuc.ca.gov/NR/rdonlyres/85DFF589-F181-4540-A7AA-90310F0635AB/0/ALJ274Citation13002SoCalGasAppeal110413R13.pdf

October 11, 2013: Citation Issued to PG&E for $140,000 for General Order Violation
http://www.cpuc.ca.gov/NR/rdonlyres/171076F0-89F2-436A-BEC2-318A95140DC9/0/SEDGasCitationforSI20121PGE.pdf

CPUC Fines PG&E 16 Million Through Citation Program
On Jan. 27, 2012, the CPUC fined PG&E $16.8 million for failure to conduct natural gas distribution pipeline leak surveys.
Read the Press Release
http://www.cpuc.ca.gov/NR/rdonlyres/E22319E2-C4C1-4726-8F55-032E9ADE5FAF/0/Citation012712.pdf

Citation
http://www.cpuc.ca.gov/NR/rdonlyres/74380965-89C8-4445-94A9-D46EB0151687/0/CitationPGE012711.pdf

Appeal of Citation
http://www.cpuc.ca.gov/NR/rdonlyres/2B02D51C-222E-4A25-BFC2-BDBB611A22F9/0/CitationNo201201001_AttachmentofNoticeofAppeal.pdf

CPUC's Denial of Appeal
http://docs.cpuc.ca.gov/PUBLISHED/COMMENT_RESOLUTION/161959.htm

More Documents on this Citation
http://www.cpuc.ca.gov/PUC/safety/Pipeline/120827_CPUCFinesPGE16MillionThroughCitationProgram.htm

Main Gas Pipeline Citations Page
http://www.cpuc.ca.gov/PUC/safety/Pipeline/citations.htm

CPUC Rulings
Regarding Prehearing Conference, Evidence, Schedule, and Issues, February 10, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/AEFEA4DE-BA61-4EE6-AA80-D164D06CD961/0/021012159453.pdf

Attachment A – Citation
http://www.cpuc.ca.gov/NR/rdonlyres/3FDF81F4-84D9-4215-BF55-9B041A27D14B/0/021012AttA159455.pdf

Attachment B – Notice of Appeal
http://www.cpuc.ca.gov/NR/rdonlyres/A7F7C2D2-7FD7-43C3-83FC-0F344536B0B2/0/021012AttB159456.pdf

Regarding Exhibits 3, 4 and 5, February 24, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/31EEC597-B82D-4B21-86E4-2D70E26DF943/0/022412160287.pdf

Certificate of Service
http://www.cpuc.ca.gov/NR/rdonlyres/598EEE4D-3FBB-4C42-89B9-C3DA010ADD75/0/022412COS160289.pdf

Opening and Reply Briefs
PG&E's Brief on Appeal of Citation No. ALJ-274, February 28, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/C532587E-9BF9-4CFF-9555-0113957D0828/0/01PGEBriefCitationAppealBriefPGEFINAL022812.pdf

Attachment A – Message from Stavropoulos
http://www.cpuc.ca.gov/NR/rdonlyres/52332714-7480-4FDB-874B-3A41F24E9EA6/0/02PGEBriefAttachmentAMessagefromStavropoulosCitiCPSDPenaltyCitationCPSD.pdf

Attachment B – Citi CPSD Penalty Citation
http://www.cpuc.ca.gov/NR/rdonlyres/574B1EED-D3F8-4C48-AE08-D9B3494EC7F8/0/03PGEBriefAttachmentB013112CitiCPSDPenaltyCitation.pdf

Certificate of Service
http://www.cpuc.ca.gov/NR/rdonlyres/427F4225-246D-40D7-BA13-97610A362F90/0/04PGEBriefCOSandSvcLstPGEFINAL022812.pdf

CPSD's Opening Brief, February 28, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/A0810200-7D72-4DBD-B51C-8FD6A1848CBF/0/CPUC01576190v1Citation_No__ALJ_274_Opening_Brief_of_the_CPSD.PDF

CPSD's Reply Brief, March 9, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/6EF928D8-C26B-46B6-9CB5-8F1077A8B543/0/CPUC01576942v1Citation_No__ALJ274_201201001_Reply_Brief_of_the_CPSD.PDF

PG&E's Reply Brief, March 9, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/DDB13A2B-DD9C-435F-BD22-26681562EF4C/0/PGEReplyBriefonAppealofCNoALJ274201201001_CPUC.pdf

Certificate of Service
http://www.cpuc.ca.gov/NR/rdonlyres/46B62099-F383-434C-A167-AEDBBCC1345C/0/PGECertificateofServiceCALJ274201201001.pdf

Exhibit 1 – Citation for Violations Issued Pursuant to Resolution ALJ-274 of General Order 58-A, 58-B and/or 112-E
http://www.cpuc.ca.gov/NR/rdonlyres/0EFCF372-2B41-45B4-9D3B-85BF71A05D46/0/Exhibit1CitationPGE012711.pdf

Exhibit 2 – Notice of Appeal
http://www.cpuc.ca.gov/NR/rdonlyres/B45851AE-B87D-4980-98E9-E063138B4717/0/Exhibit2CitationNo201201001_AttachmentofNoticeofAppeal.pdf

Exhibit 3 – PG&E 2011 Annual Report
http://www.cpuc.ca.gov/NR/rdonlyres/718F323C-7F7F-410C-8107-2DA5333A3422/0/Exhibit32011AnnualReport.pdf

Exhibit 4 – 2011 PG&E Joint Proxy Statement
http://www.cpuc.ca.gov/NR/rdonlyres/41BAE5ED-914D-46B5-9F4D-538189E3CF68/0/Exhibit42011ProxyStatement.pdf

Exhibit 5 – PG&E 10-Q, Filed November 3, 2011
http://www.cpuc.ca.gov/NR/rdonlyres/A52C834D-BA08-49E3-B1D3-48F90ECD277C/0/Exhibit5PGECorporation10Q20111103.pdf

Exhibit 6 – PG&E Documents Reporting the Violations, December 30, 2011
Cover Letter, December 30, 2011
http://www.cpuc.ca.gov/NR/rdonlyres/217479DD-19BC-474F-916A-1F43CE15E3CA/0/Exh6PGE123011CoverLetter.pdf

Citation Program Report
http://www.cpuc.ca.gov/NR/rdonlyres/79429D38-4FC8-48C3-B287-895C322161C8/0/Exh6PGE123011AttachedReport.pdf

Update Letter, December 30, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/1688A963-754F-4FC5-8945-3E611AB1D4FE/0/Exh6PGE123011Updateletter.pdf

Affidavit of Thomas Guarino
http://www.cpuc.ca.gov/NR/rdonlyres/38323933-4F0E-4C33-8107-074A939E5302/0/Exh6PGE123011UpdateAttachmentAffidavitofThomasGuarino.pdf

Exhibit 7 – Leak Survey Plat Map Information
PG&E Self-Identification Follow-Up, January 6, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/E0280A9A-F9E6-4FFA-BA84-448ECAD28AEF/0/Exh7PGESelfIdentificationFollowup1612.pdf

Diablo Missed Five Year Leak Survey Plat Map Information, provided to CPUC January 6, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/F0EE8B88-D26B-4FF1-8D75-0208D705C34E/0/Exh7DiabloMissed5yrLeakSurveyPlatMapInfoprovidedtoCPSDon1612.xls

Judge's Resolution
Resolution, Filed March 19, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/E4A691AA-FA85-49DE-8CB5-A38541DD0754/0/031912FiledDraftResALJ277161959.pdf

Appendix A
http://www.cpuc.ca.gov/NR/rdonlyres/D421E6F4-4088-4E7C-81ED-A0B8B9C4F0BB/0/031912AppendixA161962.pdf

Service List
http://www.cpuc.ca.gov/NR/rdonlyres/5DB3557A-B480-4844-BE10-EF44BAEBC3E8/0/031912ServiceList161968.pdf

Comments on Judge's Resolution
PG&E, April 9, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/6514456B-830E-435F-A082-50B7F14EE6AD/0/030912ALJ274201201001ServiceList.pdf

Judge's Service List, April 9, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/6514456B-830E-435F-A082-50B7F14EE6AD/0/030912ALJ274201201001ServiceList.pdf

Certificate of Service, April 9, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/03B1F656-8F83-4549-9819-A34503FF3193/0/COSCommentsonDftResolutionFINAL040912DOC.pdf

City and County of San Francisco, April 9, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/4EE5ADF9-8F63-4897-890A-1FC4F3902684/0/CCSFCOMMENTSONDRAFTRESOLUTIONALJ277.PDF\

CPSD Reply Comments PG&E, April 16, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/E3E3D8E5-6E5B-44CE-9FB6-60A7E7591751/0/PGEReplyCommentsonDR.pdf

CPUC Resolution, Issued April 20, 2012
http://www.cpuc.ca.gov/NR/rdonlyres/A509D738-48C7-4C4A-BB1E-3320169CB908/0/164605.pdf

I will soon respond to the remainder of your records requests.

I hope this is helpful.

Very truly yours,

Fred Harris
Staff Counsel

From: Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent: Tuesday, December 4, 2012 12:26 PM
To: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Subject: Conference

Tell Celeste at CFEE I will attend the April 25-26 energy conference at Silverado.

From: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Sent: Tuesday, December 4, 2012 12:28 PM
To: Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Subject: RE: Conference

Sure, will do.

From: Peevey, Michael R.
Sent: Tuesday, December 04, 2012 12:26 PM
To: Gonzalez, Nuria
Subject: Conference

Tell Celeste at CFEE I will attend the April 25-26 energy conference at Silverado.

From: Celeste Cremen <celeste@cfee.net>
Sent: Tuesday, December 4, 2012 12:39 PM
To: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Subject: Re: CFEE Energy Conference at Silverado, April 25-26

Hi,

Thank you.

Celeste

On Dec 4, 2012, at 12:31 PM, Gonzalez, Nuria wrote:

> Hi Celeste,
> FYI, President Peevey will attend. If you have any questions, please let me know.
>
> Regards,
>
> Nuria
>
> Nuria I. Gonzalez
> **California Public Utilities Commission**
> **Office of President Michael R. Peevey**
> 505 Van Ness Avenue, San Francisco, CA 94102
> (415) 703-2156
> (415) 703-5091 (fax)
> E-mail NUR@cpuc.ca.gov

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Joan Lynch <jlynch@cfee.net>
Sent:	Thursday, December 20, 2012 4:09 PM
To:	nicolas.chaset@cpuc.ca.gov
Subject:	Invitation to CFEE Energy Conf 2013
Attach:	Chaset.pdf

Mr. Chaset,
Attached please find your invitation to our 2013 Roundtable Conference on Energy, sent at the suggestion of Cliff Rechtschaffen.
We were given the State Capitol as your address, but since that is not the case, it was returned to us today.

Please advise how we can contact you to follow up as the conference and agenda develops.

Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

November 26, 2012

Mr. Nicolas Chaset
Special Advisor to the Governor for DG, CHP & Energy Storage
Office of the Governor
State Capitol
Sacramento, CA 95814

Dear Mr. Chaset,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

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- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

The Foundation, a 501(c)(3) nonprofit organization, will sponsor your room and group meals. You will be responsible for incidental expenses and travel.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

Approved by Cliff

PFM/jl

Enclosure

cc: Gabriela Montano
Catherine Ohaegbu

From: Joan Lynch <jlynch@cfee.net>
Sent: Thursday, December 20, 2012 4:19 PM
To: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: Re: Invitation to CFEE Energy Conf 2013

Thank you.
I'll resend the original, invitee list included.

From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Fri, 21 Dec 2012 00:12:24 +0000
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: Invitation to CFEE Energy Conf 2013

My address is 505 Van Ness (CPUC), SF, CA 94102
Thank you

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Thursday, December 20, 2012 4:09 PM
To: Chaset, Nicolas L.
Subject: Invitation to CFEE Energy Conf 2013

Mr. Chaset,
Attached please find your invitation to our 2013 Roundtable Conference on Energy, sent at the suggestion of Cliff Rechtschaffen.
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Thank you,

Joan Lynch
Office Administrator

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From:	Meta Winn <Meta@cfee.net>
Sent:	Thursday, January 10, 2013 4:20 PM
To:	joan.dahlgren@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	CFEE Invitation to Energy Conference/Florio
Attach:	Florio, Michel.pdf; CFEE Energy Invitee List.pdf

Dear Commissioner Florio,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an Invitee List.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
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CFEE
CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

January 10, 2013

Mr. Michel P. Florio
Commissioner
505 Van Ness Ave., Room 5200
San Francisco, CA 94102

Dear Mr. Florio,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

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- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

PFM/mw

Enclosure

Peeves picked you!

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

STATE GOVERNMENT

Mary D. Nichols, Chairman, California Air Resources Board
Ken Alex, Acting Director, Office of Planning and Research, Office of the Governor
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor
Cliff Rechtschaffen, Senior Advisor to the Governor, Office of the Governor
Virgil Welch, Special Assistant, California Air Resources Board

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Nancy E. Ryan, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair

CALIFORNIA STATE SENATE

Tom Berryhill
Anthony Cannella
Mark DeSaulnier
Bill Emmerson
Jean Fuller
Bob Huff
Stephen Knight

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415 788 1786 www.cfee.net FAX 415 986 2227

Ricardo Lara
Alex Padilla
Curren D. Price, Jr.
Michael Rubio
Mimi Walters
Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
Steven C. Bradford
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Richard Gordon
Jeff Gorell
Adam Gray
Ben Hueso
Brian Maienschein
Jeff Miller
Kristin Olsen
Henry Perea
Sharon Quirk-Silva
Anthony Rendon
Rudy Salas
Nancy Skinner
Mark Stone
Donald Wagner

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Das Williams

LOCAL GOVERNMENT

Paul Krekorian, Los Angeles City Councilmember, District 2

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
Rachelle B. Chong, VP, Government Affairs, California Region, Comcast
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
Jeffrey Fort, Partner, SNR Denton
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

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Stephen Pickett, Executive Vice President, External Relations, So. California Edison Co.
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Fong Wan, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

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Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

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John Chillemi, President, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
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Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Laura Harnish, Regional Director, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)
* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.

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LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust

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Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245

Robert Hunter, President, State Building & Construction Trades Council of California

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* *Patrick F. Mason*, President

* *Beth E. Vaughan*, Policy Consultant

* *Celeste Cremen*, Conference Coordinator

* *Joan Lynch,* Assistant to Conference Coordinator

OBSERVERS

Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee

Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce

Karen Edson, Vice President, External Affairs, California Independent System Operator

* Confirmed
List @ 1/7/2013

From:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent:	Thursday, January 10, 2013 4:41 PM
To:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Subject:	FW: CFEE Invitation to Energy Conference/Florio
Attach:	Florio, Michel.pdf; CFEE Energy Invitee List.pdf

Mike, will you be attending this—if so, I will block out your calendar.--Joan

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Thursday, January 10, 2013 4:20 PM
To: Dahlgren, Joan
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Florio

Dear Commissioner Florio,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an Invitee List.

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Sincerely,

Meta Winn
Executive Assistant

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CALIFORNIA FOUNDATION
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Patrick F. Mason, Ph. D.
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January 10, 2013

Mr. Michel P. Florio
Commissioner
505 Van Ness Ave., Room 5200
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I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

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Silverado Conference Center, Napa, California
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Thomas Martinez, Executive Director Business Development, IBEW/NECA/LMCC

Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

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* *Celeste Cremen*, Conference Coordinator

* *Joan Lynch*, Assistant to Conference Coordinator

OBSERVERS

Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee

Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce

Karen Edson, Vice President, External Affairs, California Independent System Operator

* Confirmed
List @ 1/7/2013

From:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent:	Thursday, January 10, 2013 5:46 PM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject:	RE: CFEE Invitation to Energy Conference/Florio

Yes, I will go. Do we need to RSVP to Celeste?? Should poll the advisors for interest as well. THANKS! Mike

From: Dahlgren, Joan
Sent: Thursday, January 10, 2013 4:41 PM
To: Florio, Michel Peter
Subject: FW: CFEE Invitation to Energy Conference/Florio

Mike, will you be attending this—if so, I will block out your calendar.--Joan

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Thursday, January 10, 2013 4:20 PM
To: Dahlgren, Joan
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Florio

Dear Commissioner Florio,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an Invitee List.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent:	Friday, January 11, 2013 10:28 AM
To:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>; Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>; Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>; Podolinsky, Elizabeth <elizabeth.podolinsky@cpuc.ca.gov>
Subject:	FW: CFEE Invitation to Energy Conference/Florio
Attach:	Florio, Michel.pdf; CFEE Energy Invitee List.pdf

Hello Team,

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

January 10, 2013

Mr. Michel P. Florio
Commissioner
505 Van Ness Ave., Room 5200
San Francisco, CA 94102

Dear Mr. Florio,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

PFM/mw

Enclosure

Peeves picked you!

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

STATE GOVERNMENT

Mary D. Nichols, Chairman, California Air Resources Board
Ken Alex, Acting Director, Office of Planning and Research, Office of the Governor
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor
Cliff Rechtschaffen, Senior Advisor to the Governor, Office of the Governor
Virgil Welch, Special Assistant, California Air Resources Board

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Nancy E. Ryan, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair

CALIFORNIA STATE SENATE

Tom Berryhill
Anthony Cannella
Mark DeSaulnier
Bill Emmerson
Jean Fuller
Bob Huff
Stephen Knight

* Confirmed
List @ 1/7/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Ricardo Lara
Alex Padilla
Curren D. Price, Jr.
Michael Rubio
Mimi Walters
Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
Steven C. Bradford
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Richard Gordon
Jeff Gorell
Adam Gray
Ben Hueso
Brian Maienschein
Jeff Miller
Kristin Olsen
Henry Perea
Sharon Quirk-Silva
Anthony Rendon
Rudy Salas
Nancy Skinner
Mark Stone
Donald Wagner

* Confirmed
List @ 1/7/2013

Das Williams

LOCAL GOVERNMENT

Paul Krekorian, Los Angeles City Councilmember, District 2

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
Rachelle B. Chong, VP, Government Affairs, California Region, Comcast
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
Jeffrey Fort, Partner, SNR Denton
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stephen Pickett, Executive Vice President, External Relations, So. California Edison Co.
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Fong Wan, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

* Confirmed
List @ 1/7/2013

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, President, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Tristan Grimbert, President & Chief Executive Officer, EDF Renewable Energy
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
Eric Pendergraft, President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Laura Harnish, Regional Director, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)
* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.

* Confirmed
List @ 1/7/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust

Daniel M. Curtin, Director, California Conference of Carpenters

Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245

Robert Hunter, President, State Building & Construction Trades Council of California

Marvin P. Kropke, Business Manager, I.B.E.W., Local Union 11

Thomas Martinez, Executive Director Business Development, IBEW/NECA/LMCC

Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President

* *Beth E. Vaughan*, Policy Consultant

* *Celeste Cremen*, Conference Coordinator

* *Joan Lynch*, Assistant to Conference Coordinator

OBSERVERS

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Karen Edson, Vice President, External Affairs, California Independent System Operator

* Confirmed
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From:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Sent:	Friday, January 11, 2013 10:30 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>; Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>; Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>; Podolinsky, Elizabeth <elizabeth.podolinsky@cpuc.ca.gov>
Subject:	Re: CFEE Invitation to Energy Conference/Florio

I would like to attend.

From: Dahlgren, Joan
Sent: Friday, January 11, 2013 10:28 AM Pacific Standard Time
To: Khosrowjah, Sepideh; Tisdale, Matthew; Poirier, Marcelo; Podolinsky, Elizabeth
Subject: FW: CFEE Invitation to Energy Conference/Florio

Hello Team,

Mike will be attending this event in April and asked me to poll the rest of the team for any interest. If you are interested, can you kindly respond to me by Jan 15 noon (that's next Tuesday) so that I can RSVP for Mike and request additional invites? Thanks!

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Thursday, January 10, 2013 4:20 PM
To: Dahlgren, Joan
Cc: Celeste Cremen
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Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
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From:	Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>
Sent:	Friday, January 11, 2013 10:38 AM
To:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Cc:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject:	Re: CFEE Invitation to Energy Conference/Florio

Me too.

On Jan 11, 2013, at 10:29 AM, "Khosrowjah, Sepideh" <sepideh.khosrowjah@cpuc.ca.gov> wrote:

> I would like to attend.
>
> ---
>
> **From**: Dahlgren, Joan
> **Sent**: Friday, January 11, 2013 10:28 AM Pacific Standard Time
> **To**: Khosrowjah, Sepideh; Tisdale, Matthew; Poirier, Marcelo; Podolinsky, Elizabeth
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From: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent: Friday, January 11, 2013 10:40 AM
To: Brodrick, Amy <amy.brodrick@cpuc.ca.gov>
Subject: FW: CFEE Invitation to Energy Conference/Florio

Amy, FYI. This is for a CFEE conference on 4/25-4/26. I will RSVP once I'm sure who from our office is going and will pass on the formal invite for Marcelo and any other advisors once I get them.--Joan

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Cc: Dahlgren, Joan
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From: Brodrick, Amy <amy.brodrick@cpuc.ca.gov>
Sent: Friday, January 11, 2013 10:42 AM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject: RE: CFEE Invitation to Energy Conference/Florio

Thank you Joan.

Amy

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To: Brodrick, Amy
Subject: FW: CFEE Invitation to Energy Conference/Florio

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Executive Assistant

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Sent:	Friday, January 11, 2013 11:20 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Cc:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>; Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>; Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>; Podolinsky, Elizabeth <elizabeth.podolinsky@cpuc.ca.gov>
Subject:	Re: CFEE Invitation to Energy Conference/Florio

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>
> <Florio, Michel.pdf>

<CFEE Energy Invitee List.pdf>

From:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent:	Monday, January 14, 2013 2:11 PM
To:	Celeste Cremen (celeste@cfee.net)
Cc:	Brodrick, Amy <amy.brodrick@cpuc.ca.gov>
Subject:	Additional Invites for the CFEE Energy Conference April 25-26

Hi Celeste,

To confirm our phone conversation of today, thank you for confirming Commissioner Florio for the above. Can you kindly send additional invitations to the following staff members:

Sepideh Khosrowjah, Chief of Staff
Marcelo Poirier, Legal Advisor
Matthew Tisdale, Senior Energy Advisor

Thanks!

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From:	Beth Vaughan <beth@beth411.com>
Sent:	Friday, March 1, 2013 12:06 PM
To:	cln@cpuc.ca.gov
Subject:	CFEE Energy Conference - invitation to speak
Attach:	2.9.13_DFT_NRG_Agenda.docx

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly prohibited.

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcomeand Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologicallyadvanced, and environmentally-sound.The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter.Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45pm– Break

*presenter confirmed

2:45 pm –4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to theCalifornia Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g.How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?)Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies?What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities,
Office of the Governor

Responders:
Rep, Pacific Gas &Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am -8:30 am – ContinentalBreakfast–TBD

8:30 am -10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation

*presenter confirmed

Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved?As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich,President &CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am -10:15 am – Break

10:15 am -11:45am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan,Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45am -1:00 pm—SESSION 7:Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep,Electricity producer
Rep,Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm –Adjourn

@ 2.9.13

*presenter confirmed

From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Friday, March 1, 2013 5:04 PM
To:	Randolph, Edward F. <edward.randolph@cpuc.ca.gov>; Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Subject:	FW: CFEE Energy Conference - invitation to speak
Attach:	2.9.13_DFT_NRG_Agenda.docx

what do you guys think about who is right person from CPUC to speak at this forum? I'm certainly willing to do, but of late ED has been the visible voice on this in Sacramento. On the other hand, Andrew is at Commissioner level -- do we want to match that?

Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly prohibited.

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcomeand Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
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***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

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*presenter confirmed

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Jeanne Clinton, Special Advisor to theCalifornia Public Utilities Commission

Responders:
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Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

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Rep, Enviro
Rep, Industry
Rep, CAISO

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Friday, April 26th—TBD

7:30 am -8:30 am – ContinentalBreakfast–TBD

8:30 am -10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation

*presenter confirmed

Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved?As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

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****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

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Joe Ronan,Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

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What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep,Electricity producer
Rep,Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm –Adjourn

@ 2.9.13

*presenter confirmed

From:	Celeste Cremen <celeste@cfee.net>
Sent:	Sunday, March 3, 2013 5:00 PM
To:	Ryan, Nancy <nancy.ryan@cpuc.ca.gov>
Subject:	CFEE Energy Conference
Attach:	EnergyPL&AG.pdf; Ryan.pdf

Hello,

I am following up on the invite to the Energy Conference - April 25 - 26 (original invite attached) and the invite to the steering committee that will be held immediately after the conference at Silverado. Please advise if you are able to attend. I have included the agenda and participant list as well.

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Michel Florio*, Commissioner
* *Nancy E. Ryan*, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

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Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

November 26, 2012

Dr. Nancy E. Ryan
Deputy Executive Director of Policy
California Public Utilities Commission
505 Van Ness Ave., Room 5300
San Francisco, CA 94102-3298

Dear Dr. Ryan,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

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415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

PFM/jl

Enclosure

From:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Sent:	Sunday, March 3, 2013 6:01 PM
To:	'celeste@cfee.net'
Subject:	Re: CFEE Energy Conference - April 25 - 26, 2013

Hi Celeste,
I hope all is well. I am planning to be there.
Thanks
Sepideh

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 05:52 PM Pacific Standard Time
To: Celeste Cremen <celeste@cfee.net>
Cc: Michaela Balgenorth <mbalgenorth@sbctc.org>; bob@sbctc.org <bob@sbctc.org>; Sean Beatty <Sean.Beatty@nrgenergy.com>; Cameron Heggi <cameron.heggi@sen.ca.gov>; greg.blue@sbcglobal.net <greg.blue@sbcglobal.net>; Robert Boykin <Robert.Boykin@asm.ca.gov>; Jamie Mori <jamie.mori@sen.ca.gov>; Como, Joe; Danny Curtin <danielmcurtin@gmail.com>; Lynne Shields <lynne.shields@sen.ca.gov>; jearp@rebuildca.org <jearp@rebuildca.org>; Susan Stevens <sstevens@rebuildca.org>; Rita Winn-Roberts <rjroberts@caiso.com>; Teresa Trujillo <teresa.trujillo@sen.ca.gov>; Davina Flemings <davina.flemings@asm.ca.gov>; William Doll <william.doll@longbeach.gov>; Denneile Harvey <denneile.harvey@asm.ca.gov>; Johnnie Giles <Johnnie_Giles@Comcast.com>; Christin Hemann <Christin.Hemann@asm.ca.gov>; Joseph Zanze <Joseph.Zanze@asm.ca.gov>; Mark Timmerman <mark.timmerman@asm.ca.gov>; Deanna Hansen <Deanna.Hansen@asm.ca.gov>; <John.Hanula@CH2M.com> <john.hanula@ch2m.com>; Daisy Luna <Daisy.Luna@asm.ca.gov>; Karin Means <karin.means@asm.ca.gov>; rhunter@sbctc.org <rhunter@sbctc.org>; Sue Kateley <Sue.Kateley@asm.ca.gov>; Khosrowjah, Sepideh; Alicia French <alicia.french@asm.ca.gov>; Elaine Sandoval <Elaine.Sandoval@sen.ca.gov>; Michael Liikala <ssintnl@gmail.com>; Rachel Simons <rachel.simons@asm.ca.gov>; cheri.fry@asm.ca.gov <cheri.fry@asm.ca.gov>; roglesby@energy.state.ca.us <roglesby@energy.state.ca.us>; morgan.hendley@asm.ca.gov <morgan.hendley@asm.ca.gov>; Janice Lark <janice.lark@sen.ca.gov>; Meredith Borak <meredith.borak@sen.ca.gov>; Alicia Isaacs <Alicia.isaacs@asm.ca.gov>; Poirier, Marcelo; miranda.flores@asm.ca.gov <miranda.flores@asm.ca.gov>; Veronica Alarcon <veronica.alarcon@asm.ca.gov>; Jalene Romo <Jalene.Romo@asm.ca.gov>; karla.mendoza@asm.ca.gov <karla.mendoza@asm.ca.gov>; Sid Stolper <sstolper@socalpipe.org>; Mike Massey <mike@pipe.org>; Tisdale, Matthew; Mark Toney <mtoney@turn.org>; Rita Shriver <rita.shriver@sen.ca.gov>; Tatum Holland <Tatum.Holland@asm.ca.gov>
Subject: CFEE Energy Conference - April 25 - 26, 2013

Hello,

I am following up on the invite to the CFEE Energy Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa. If you plan on attending and do not show confirmed on our Invitee List please respond to this email. I have enclosed the latest agenda and invitee list.

If you need a copy of your original invite please let me know.

Thank you.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: Como, Joe <joe.como@cpuc.ca.gov>
Sent: Sunday, March 3, 2013 8:41 PM
To: Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Subject: Fw: CFEE Energy Conference - April 25 - 26, 2013
Attach: EnergyPL&AG.pdf; EnergyPL&AG.pdf

Rosie
I have to be at a budget hearing in Sacramento on 4/25. Can you cancel CFEE for me?

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 05:52 PM Pacific Standard Time
To: Celeste Cremen <celeste@cfee.net>
Cc: Michaela Balgenorth <mbalgenorth@sbctc.org>; bob@sbctc.org <bob@sbctc.org>; Sean Beatty <Sean.Beatty@nrgenergy.com>; Cameron Heggi <cameron.heggi@sen.ca.gov>; greg.blue@sbcglobal.net <greg.blue@sbcglobal.net>; Robert Boykin <Robert.Boykin@asm.ca.gov>; Jamie Mori <jamie.mori@sen.ca.gov>; Como, Joe; Danny Curtin <danielmcurtin@gmail.com>; Lynne Shields <lynne.shields@sen.ca.gov>; jearp@rebuildca.org <jearp@rebuildca.org>; Susan Stevens <sstevens@rebuildca.org>; Rita Winn-Roberts <rjroberts@caiso.com>; Teresa Trujillo <teresa.trujillo@sen.ca.gov>; Davina Flemings <davina.flemings@asm.ca.gov>; William Doll <william.doll@longbeach.gov>; Denneile Harvey <denneile.harvey@asm.ca.gov>; Johnnie Giles <Johnnie_Giles@Comcast.com>; Christin Hemann <Christin.Hemann@asm.ca.gov>; Joseph Zanze <Joseph.Zanze@asm.ca.gov>; Mark Timmerman <mark.timmerman@asm.ca.gov>; Deanna Hansen <Deanna.Hansen@asm.ca.gov>; <John.Hanula@CH2M.com> <john.hanula@ch2m.com>; Daisy Luna <Daisy.Luna@asm.ca.gov>; Karin Means <karin.means@asm.ca.gov>; rhunter@sbctc.org <rhunter@sbctc.org>; Sue Kateley <Sue.Kateley@asm.ca.gov>; Khosrowjah, Sepideh; Alicia French <alicia.french@asm.ca.gov>; Elaine Sandoval <Elaine.Sandoval@sen.ca.gov>; Michael Liikala <ssintnl@gmail.com>; Rachel Simons <rachel.simons@asm.ca.gov>; cheri.fry@asm.ca.gov <cheri.fry@asm.ca.gov>; roglesby@energy.state.ca.us <roglesby@energy.state.ca.us>; morgan.hendley@asm.ca.gov <morgan.hendley@asm.ca.gov>; Janice Lark <janice.lark@sen.ca.gov>; Meredith Borak <meredith.borak@sen.ca.gov>; Alicia Isaacs <Alicia.isaacs@asm.ca.gov>; Poirier, Marcelo; miranda.flores@asm.ca.gov <miranda.flores@asm.ca.gov>; Veronica Alarcon <veronica.alarcon@asm.ca.gov>; Jalene Romo <Jalene.Romo@asm.ca.gov>; karla.mendoza@asm.ca.gov <karla.mendoza@asm.ca.gov>; Sid Stolper <sstolper@socalpipe.org>; Mike Massey <mike@pipe.org>; Tisdale, Matthew; Mark Toney <mtoney@turn.org>; Rita Shriver <rita.shriver@sen.ca.gov>; Tatum Holland <Tatum.Holland@asm.ca.gov>
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Michel Florio*, Commissioner
* *Nancy E. Ryan*, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
Virgil Welch, Special Assistant

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Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

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List @ 3/1/2013

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Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
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* *Roderick D. Wright*

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* *Susan Talamantes Eggman*
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* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

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* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

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* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
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James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

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* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

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Ronald Nichols, General Manager, Los Angeles Department of Water & Power

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* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
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Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

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* *Celeste Cremen*, Conference Coordinator
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Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason,** President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

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John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
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1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

From: Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>
Sent: Monday, March 4, 2013 10:13 AM
To: Celeste Cremen <celeste@cfee.net>
Subject: RE: CFEE Energy Conference - April 25 - 26, 2013

Hi Celeste,

I will be attending the conference.

Thanks,

Marcelo

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 5:52 PM
To: Celeste Cremen
Cc: Michaela Balgenorth; bob@sbctc.org; Sean Beatty; Cameron Heggi; greg.blue@sbcglobal.net; Robert Boykin; Jamie Mori; Como, Joe; Danny Curtin; Lynne Shields; jearp@rebuildca.org; Susan Stevens; Rita Winn-Roberts; Teresa Trujillo; Davina Flemings; William Doll; Denneile Harvey; Johnnie Giles; Christin Hemann; Joseph Zanze; Mark Timmerman; Deanna Hansen; <John.Hanula@CH2M.com>; Daisy Luna; Karin Means; rhunter@sbctc.org; Sue Kateley; Khosrowjah, Sepideh; Alicia French; Elaine Sandoval; Michael Liikala; Rachel Simons; cheri.fry@asm.ca.gov; roglesby@energy.state.ca.us; morgan.hendley@asm.ca.gov; Janice Lark; Meredith Borak; Alicia Isaacs; Poirier, Marcelo; miranda.flores@asm.ca.gov; Veronica Alarcon; Jalene Romo; karla.mendoza@asm.ca.gov; Sid Stolper; Mike Massey; Tisdale, Matthew; Mark Toney; Rita Shriver; Tatum Holland
Subject: CFEE Energy Conference - April 25 - 26, 2013

Hello,

I am following up on the invite to the CFEE Energy Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa. If you plan on attending and do not show confirmed on our Invitee List please respond to this email. I have enclosed the latest agenda and invitee list.

If you need a copy of your original invite please let me know.

Thank you.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Sent: Monday, March 4, 2013 11:31 AM
To: Como, Joe <joe.como@cpuc.ca.gov>
Subject: RE: CFEE Energy Conference - April 25 - 26, 2013

Yes.

From: Como, Joe
Sent: Sunday, March 03, 2013 8:41 PM
To: Mendoza, Rosemary
Subject: Fw: CFEE Energy Conference - April 25 - 26, 2013

Rosie
I have to be at a budget hearing in Sacramento on 4/25. Can you cancel CFEE for me?

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 05:52 PM Pacific Standard Time
To: Celeste Cremen <celeste@cfee.net>
Cc: Michaela Balgenorth <mbalgenorth@sbctc.org>; bob@sbctc.org <bob@sbctc.org>; Sean Beatty <Sean.Beatty@nrgenergy.com>; Cameron Heggi <cameron.heggi@sen.ca.gov>; greg.blue@sbcglobal.net <greg.blue@sbcglobal.net>; Robert Boykin <Robert.Boykin@asm.ca.gov>; Jamie Mori <jamie.mori@sen.ca.gov>; Como, Joe; Danny Curtin <danielmcurtin@gmail.com>; Lynne Shields <lynne.shields@sen.ca.gov>; jearp@rebuildca.org <jearp@rebuildca.org>; Susan Stevens <sstevens@rebuildca.org>; Rita Winn-Roberts <rjroberts@caiso.com>; Teresa Trujillo <teresa.trujillo@sen.ca.gov>; Davina Flemings <davina.flemings@asm.ca.gov>; William Doll <william.doll@longbeach.gov>; Denneile Harvey <denneile.harvey@asm.ca.gov>; Johnnie Giles <Johnnie_Giles@Comcast.com>; Christin Hemann <Christin.Hemann@asm.ca.gov>; Joseph Zanze <Joseph.Zanze@asm.ca.gov>; Mark Timmerman <mark.timmerman@asm.ca.gov>; Deanna Hansen <Deanna.Hansen@asm.ca.gov>; <John.Hanula@CH2M.com> <john.hanula@ch2m.com>; Daisy Luna <Daisy.Luna@asm.ca.gov>; Karin Means <karin.means@asm.ca.gov>; rhunter@sbctc.org <rhunter@sbctc.org>; Sue Kateley <Sue.Kateley@asm.ca.gov>; Khosrowjah, Sepideh; Alicia French <alicia.french@asm.ca.gov>; Elaine Sandoval <Elaine.Sandoval@sen.ca.gov>; Michael Liikala <ssintnl@gmail.com>; Rachel Simons <rachel.simons@asm.ca.gov>; cheri.fry@asm.ca.gov <cheri.fry@asm.ca.gov>; roglesby@energy.state.ca.us <roglesby@energy.state.ca.us>; morgan.hendley@asm.ca.gov <morgan.hendley@asm.ca.gov>; Janice Lark <janice.lark@sen.ca.gov>; Meredith Borak <meredith.borak@sen.ca.gov>; Alicia Isaacs <Alicia.isaacs@asm.ca.gov>; Poirier, Marcelo; miranda.flores@asm.ca.gov <miranda.flores@asm.ca.gov>; Veronica Alarcon <veronica.alarcon@asm.ca.gov>; Jalene Romo <Jalene.Romo@asm.ca.gov>; karla.mendoza@asm.ca.gov <karla.mendoza@asm.ca.gov>; Sid Stolper <sstolper@socalpipe.org>; Mike Massey <mike@pipe.org>; Tisdale, Matthew; Mark Toney <mtoney@turn.org>; Rita Shriver <rita.shriver@sen.ca.gov>; Tatum Holland <Tatum.Holland@asm.ca.gov>
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International Project Manager
Conference Coordinator

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From: Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Sent: Monday, March 4, 2013 11:38 AM
To: Como, Joe <joe.como@cpuc.ca.gov>
Subject: I have cancelled but Celeste wanted...
Attach: EnergyPL&AG.pdf; EnergyPL&AG.pdf

Joe.

I spoke to Celeste and we have cancelled this event under your name.

She did asked if would be interested in sending someone from DRA on your behalf. I told her I would get back to her on this.

From: Como, Joe
Sent: Sunday, March 03, 2013 8:41 PM
To: Mendoza, Rosemary
Subject: Fw: CFEE Energy Conference - April 25 - 26, 2013

Rosie
I have to be at a budget hearing in Sacramento on 4/25. Can you cancel CFEE for me?

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 05:52 PM Pacific Standard Time
To: Celeste Cremen <celeste@cfee.net>
Cc: Michaela Balgenorth <mbalgenorth@sbctc.org>; bob@sbctc.org <bob@sbctc.org>; Sean Beatty <Sean.Beatty@nrgenergy.com>; Cameron Heggi <cameron.heggi@sen.ca.gov>; greg.blue@sbcglobal.net <greg.blue@sbcglobal.net>; Robert Boykin <Robert.Boykin@asm.ca.gov>; Jamie Mori <jamie.mori@sen.ca.gov>; Como, Joe; Danny Curtin <danielmcurtin@gmail.com>; Lynne Shields <lynne.shields@sen.ca.gov>; jearp@rebuildca.org <jearp@rebuildca.org>; Susan Stevens <sstevens@rebuildca.org>; Rita Winn-Roberts <rjroberts@caiso.com>; Teresa Trujillo <teresa.trujillo@sen.ca.gov>; Davina Flemings <davina.flemings@asm.ca.gov>; William Doll <william.doll@longbeach.gov>; Denneile Harvey <denneile.harvey@asm.ca.gov>; Johnnie Giles <Johnnie_Giles@Comcast.com>; Christin Hemann <Christin.Hemann@asm.ca.gov>; Joseph Zanze <Joseph.Zanze@asm.ca.gov>; Mark Timmerman <mark.timmerman@asm.ca.gov>; Deanna Hansen <Deanna.Hansen@asm.ca.gov>; <John.Hanula@CH2M.com> <john.hanula@ch2m.com>; Daisy Luna <Daisy.Luna@asm.ca.gov>; Karin Means <karin.means@asm.ca.gov>; rhunter@sbctc.org <rhunter@sbctc.org>; Sue Kateley <Sue.Kateley@asm.ca.gov>; Khosrowjah, Sepideh; Alicia French <alicia.french@asm.ca.gov>; Elaine Sandoval <Elaine.Sandoval@sen.ca.gov>; Michael Liikala <ssintnl@gmail.com>; Rachel Simons <rachel.simons@asm.ca.gov>; cheri.fry@asm.ca.gov <cheri.fry@asm.ca.gov>; roglesby@energy.state.ca.us <roglesby@energy.state.ca.us>; morgan.hendley@asm.ca.gov <morgan.hendley@asm.ca.gov>; Janice Lark <janice.lark@sen.ca.gov>; Meredith Borak <meredith.borak@sen.ca.gov>; Alicia Isaacs <Alicia.isaacs@asm.ca.gov>; Poirier, Marcelo; miranda.flores@asm.ca.gov <miranda.flores@asm.ca.gov>; Veronica Alarcon <veronica.alarcon@asm.ca.gov>; Jalene Romo <Jalene.Romo@asm.ca.gov>; karla.mendoza@asm.ca.gov <karla.mendoza@asm.ca.gov>; Sid Stolper <sstolper@socalpipe.org>; Mike Massey <mike@pipe.org>; Tisdale, Matthew; Mark Toney <mtoney@turn.org>; Rita Shriver <rita.shriver@sen.ca.gov>; Tatum Holland <Tatum.Holland@asm.ca.gov>
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Michel Florio*, Commissioner
* *Nancy E. Ryan*, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

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***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

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*presenter confirmed

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****Mike Florio***, Commissioner, California Public Utilities Commission
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10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Michel Florio*, Commissioner
* *Nancy E. Ryan*, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
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PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
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* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

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Adam Gray
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Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

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* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

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* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
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Ronald Nichols, General Manager, Los Angeles Department of Water & Power

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* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
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Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
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D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason,** President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

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Mary Nichols, Chairman, Air Resources Board
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Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

From: Como, Joe <joe.como@cpuc.ca.gov>
Sent: Monday, March 4, 2013 2:40 PM
To: Serizawa, Linda <linda.serizawa@cpuc.ca.gov>
Subject: FW: I have cancelled but Celeste wanted...
Attach: EnergyPL&AG.pdf; EnergyPL&AG.pdf

Interested in going to CFEE? Or sending Mike Campbell? I have a budget hearing and can't go.

From: Mendoza, Rosemary
Sent: Monday, March 04, 2013 11:37 AM
To: Como, Joe
Subject: I have cancelled but Celeste wanted...

Joe.

I spoke to Celeste and we have cancelled this event under your name.

She did asked if would be interested in sending someone from DRA on your behalf. I told her I would get back to her on this.

From: Como, Joe
Sent: Sunday, March 03, 2013 8:41 PM
To: Mendoza, Rosemary
Subject: Fw: CFEE Energy Conference - April 25 - 26, 2013

Rosie
I have to be at a budget hearing in Sacramento on 4/25. Can you cancel CFEE for me?

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 05:52 PM Pacific Standard Time
To: Celeste Cremen <celeste@cfee.net>
Cc: Michaela Balgenorth <mbalgenorth@sbctc.org>; bob@sbctc.org <bob@sbctc.org>; Sean Beatty <Sean.Beatty@nrgenergy.com>; Cameron Heggi <cameron.heggi@sen.ca.gov>; greg.blue@sbcglobal.net <greg.blue@sbcglobal.net>; Robert Boykin <Robert.Boykin@asm.ca.gov>; Jamie Mori <jamie.mori@sen.ca.gov>; Como, Joe; Danny Curtin <danielmcurtin@gmail.com>; Lynne Shields <lynne.shields@sen.ca.gov>; jearp@rebuildca.org <jearp@rebuildca.org>; Susan Stevens <sstevens@rebuildca.org>; Rita Winn-Roberts <rjroberts@caiso.com>; Teresa Trujillo <teresa.trujillo@sen.ca.gov>; Davina Flemings <davina.flemings@asm.ca.gov>; William Doll <william.doll@longbeach.gov>; Denneile Harvey <denneile.harvey@asm.ca.gov>; Johnnie Giles <Johnnie_Giles@Comcast.com>; Christin Hemann <Christin.Hemann@asm.ca.gov>; Joseph Zanze <Joseph.Zanze@asm.ca.gov>; Mark Timmerman <mark.timmerman@asm.ca.gov>; Deanna Hansen <Deanna.Hansen@asm.ca.gov>; <John.Hanula@CH2M.com> <john.hanula@ch2m.com>; Daisy Luna <Daisy.Luna@asm.ca.gov>; Karin Means <karin.means@asm.ca.gov>; rhunter@sbctc.org <rhunter@sbctc.org>; Sue Kateley <Sue.Kateley@asm.ca.gov>; Khosrowjah, Sepideh; Alicia French <alicia.french@asm.ca.gov>; Elaine Sandoval <Elaine.Sandoval@sen.ca.gov>; Michael Liikala <ssintnl@gmail.com>; Rachel Simons <rachel.simons@asm.ca.gov>; cheri.fry@asm.ca.gov <cheri.fry@asm.ca.gov>; roglesby@energy.state.ca.us <roglesby@energy.state.ca.us>; morgan.hendley@asm.ca.gov <morgan.hendley@asm.ca.gov>; Janice Lark <janice.lark@sen.ca.gov>; Meredith Borak <meredith.borak@sen.ca.gov>; Alicia Isaacs <Alicia.isaacs@asm.ca.gov>; Poirier, Marcelo; miranda.flores@asm.ca.gov <miranda.flores@asm.ca.gov>; Veronica Alarcon <veronica.alarcon@asm.ca.gov>; Jalene Romo <Jalene.Romo@asm.ca.gov>; karla.mendoza@asm.ca.gov <karla.mendoza@asm.ca.gov>; Sid Stolper <sstolper@socalpipe.org>; Mike Massey <mike@pipe.org>; Tisdale, Matthew; Mark Toney <mtoney@turn.org>; Rita

Shriver <rita.shriver@sen.ca.gov>; Tatum Holland <Tatum.Holland@asm.ca.gov>
Subject: CFEE Energy Conference - April 25 - 26, 2013

Hello,

I am following up on the invite to the CFEE Energy Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa. If you plan on attending and do not show confirmed on our Invitee List please respond to this email. I have enclosed the latest agenda and invitee list.

If you need a copy of your original invite please let me know.

Thank you.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

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Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President
* *Michel Florio,* Commissioner
* *Nancy E. Ryan,* Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason,* President
* *Beth E. Vaughan,* Policy Consultant
* *Celeste Cremen,* Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

DRAFT AGENDA

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

**Patrick F. Mason,* President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

**Jan Smutny-Jones,* Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission *(5-7 min)*
**Bob Weisenmiller,* Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

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Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

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Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

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How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

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Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

From:	Serizawa, Linda <linda.serizawa@cpuc.ca.gov>
Sent:	Monday, March 4, 2013 2:44 PM
To:	Como, Joe <joe.como@cpuc.ca.gov>
Subject:	RE: I have cancelled but Celeste wanted...

Are you suppose to be a discussant, give a presentation, or otherwise actively participate?

From: Como, Joe
Sent: Monday, March 04, 2013 2:40 PM
To: Serizawa, Linda
Subject: FW: I have cancelled but Celeste wanted...

Interested in going to CFEE? Or sending Mike Campbell? I have a budget hearing and can't go.

From: Mendoza, Rosemary
Sent: Monday, March 04, 2013 11:37 AM
To: Como, Joe
Subject: I have cancelled but Celeste wanted...

Joe.

I spoke to Celeste and we have cancelled this event under your name.

She did asked if would be interested in sending someone from DRA on your behalf. I told her I would get back to her on this.

From: Como, Joe
Sent: Sunday, March 03, 2013 8:41 PM
To: Mendoza, Rosemary
Subject: Fw: CFEE Energy Conference - April 25 - 26, 2013

Rosie
I have to be at a budget hearing in Sacramento on 4/25. Can you cancel CFEE for me?

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 05:52 PM Pacific Standard Time
To: Celeste Cremen <celeste@cfee.net>
Cc: Michaela Balgenorth <mbalgenorth@sbctc.org>; bob@sbctc.org <bob@sbctc.org>; Sean Beatty <Sean.Beatty@nrgenergy.com>; Cameron Heggi <cameron.heggi@sen.ca.gov>; greg.blue@sbcglobal.net <greg.blue@sbcglobal.net>; Robert Boykin <Robert.Boykin@asm.ca.gov>; Jamie Mori <jamie.mori@sen.ca.gov>; Como, Joe; Danny Curtin <danielmcurtin@gmail.com>; Lynne Shields <lynne.shields@sen.ca.gov>; jearp@rebuildca.org <jearp@rebuildca.org>; Susan Stevens <sstevens@rebuildca.org>; Rita Winn-Roberts <rjroberts@caiso.com>; Teresa Trujillo <teresa.trujillo@sen.ca.gov>; Davina Flemings <davina.flemings@asm.ca.gov>; William Doll <william.doll@longbeach.gov>; Denneile Harvey <denneile.harvey@asm.ca.gov>; Johnnie Giles <Johnnie_Giles@Comcast.com>; Christin Hemann <Christin.Hemann@asm.ca.gov>; Joseph Zanze

<Joseph.Zanze@asm.ca.gov>; Mark Timmerman <mark.timmerman@asm.ca.gov>; Deanna Hansen <Deanna.Hansen@asm.ca.gov>; <John.Hanula@CH2M.com> <john.hanula@ch2m.com>; Daisy Luna <Daisy.Luna@asm.ca.gov>; Karin Means <karin.means@asm.ca.gov>; rhunter@sbctc.org <rhunter@sbctc.org>; Sue Kateley <Sue.Kateley@asm.ca.gov>; Khosrowjah, Sepideh; Alicia French <alicia.french@asm.ca.gov>; Elaine Sandoval <Elaine.Sandoval@sen.ca.gov>; Michael Liikala <ssintnl@gmail.com>; Rachel Simons <rachel.simons@asm.ca.gov>; cheri.fry@asm.ca.gov <cheri.fry@asm.ca.gov>; roglesby@energy.state.ca.us <roglesby@energy.state.ca.us>; morgan.hendley@asm.ca.gov <morgan.hendley@asm.ca.gov>; Janice Lark <janice.lark@sen.ca.gov>; Meredith Borak <meredith.borak@sen.ca.gov>; Alicia Isaacs <Alicia.isaacs@asm.ca.gov>; Poirier, Marcelo; miranda.flores@asm.ca.gov <miranda.flores@asm.ca.gov>; Veronica Alarcon <veronica.alarcon@asm.ca.gov>; Jalene Romo <Jalene.Romo@asm.ca.gov>; karla.mendoza@asm.ca.gov <karla.mendoza@asm.ca.gov>; Sid Stolper <sstolper@socalpipe.org>; Mike Massey <mike@pipe.org>; Tisdale, Matthew; Mark Toney <mtoney@turn.org>; Rita Shriver <rita.shriver@sen.ca.gov>; Tatum Holland <Tatum.Holland@asm.ca.gov>
Subject: CFEE Energy Conference - April 25 - 26, 2013

Hello,

I am following up on the invite to the CFEE Energy Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa. If you plan on attending and do not show confirmed on our Invitee List please respond to this email. I have enclosed the latest agenda and invitee list.

If you need a copy of your original invite please let me know.

Thank you.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Monday, March 4, 2013 10:38 PM
To: 'beth@beth411.com'
Subject: Re: CFEE Energy Conference - invitation to speak

Hello, Beth. I had hoped to hear back from Comr. Ferron or Ed Randolph re: who they thought might best represent the CPUC at your April event. No word back from either yet. So how about you and I talking a bit about your aim(s) and options for rounding out rest of the panel in meantime?

Any chance you are free Tues btwn 3:00 and 5:00 for a call? Or Wed btwn 11-1:00?
Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM Pacific Standard Time
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

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From:	Mark Ferron <fer@cpuc.ca.gov>
Sent:	Tuesday, March 5, 2013 11:58 AM
To:	Charlotte TerKeurst <charlotte.terkeurst@cpuc.ca.gov>; Michael Colvin <michael.colvin@cpuc.ca.gov>; Sara M. Kamins <sara.kamins@cpuc.ca.gov>; Charlyn A. Hook <charlyn.hook@cpuc.ca.gov>; Juliane Banks <juliane.banks@cpuc.ca.gov>
Subject:	Fwd: CFEE Energy Conference - invitation to speak
Attach:	2.9.13_DFT_NRG_Agenda.docx

Begin forwarded message:

From: "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference - invitation to speak
Date: March 1, 2013 5:04:04 PM PST
To: "Randolph, Edward F." <edward.randolph@cpuc.ca.gov>, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

what do you guys think about who is right person from CPUC to speak at this forum? I'm certainly willing to do, but of late ED has been the visible voice on this in Sacramento. On the other hand, Andrew is at Commissioner level -- do we want to match that?

Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

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Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
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Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
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Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

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D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

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Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

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11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

From:	Meta Winn <Meta@cfee.net>
Sent:	Tuesday, March 5, 2013 1:38 PM
To:	edward.randolph@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	CFEE Invitation to Energy Conference/Randolph
Attach:	Randolph, Ed.pdf; 020913 draft energy agenda.pdf; 030113 Energy Invitee List.pdf

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 5, 2013

Mr. Edward Randolph
Director, Energy Division
California Public Utilities Commission
505 Van Ness Ave., Room 4004
San Francisco, CA 94102

Dear Mr. Randolph,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
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Rep, MUNI
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Rep, Electricity producer
Rep, Manufacturer (EITE)
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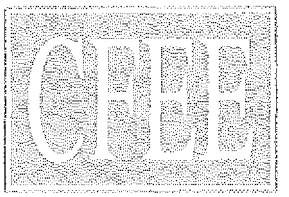
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed



CALIFORNIA FOUNDATION
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AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President
* *Michel Florio,* Commissioner
* *Nancy E. Ryan,* Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

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415 788 1786 www.cfee.net FAX 415 986 2227

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Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
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Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

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Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

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* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

From:	Beth Vaughan <beth@beth411.com>
Sent:	Tuesday, March 5, 2013 3:29 PM
To:	'Clinton, Jeanne' <jeanne.clinton@cpuc.ca.gov>
Subject:	RE: CFEE Energy Conference - invitation to speak

Hi Jeanne,

Just meeting with Michael Colvin now and he brought up the CFEE meeting and Ferron attending. Can you and I talk tomorrow? I'm in a meeting until noon, but could call you then. Would really like your input regarding speakers and content.

Thanks, Beth

From: Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
Sent: Monday, March 04, 2013 10:38 PM
To: 'beth@beth411.com'
Subject: Re: CFEE Energy Conference - invitation to speak

Hello, Beth. I had hoped to hear back from Comr. Ferron or Ed Randolph re: who they thought might best represent the CPUC at your April event. No word back from either yet. So how about you and I talking a bit about your aim(s) and options for rounding out rest of the panel in meantime?

Any chance you are free Tues btwn 3:00 and 5:00 for a call? Or Wed btwn 11-1:00?
Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM Pacific Standard Time
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

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Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

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From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Tuesday, March 5, 2013 3:53 PM
To:	'Beth Vaughan' <beth@beth411.com>
Subject:	RE: CFEE Energy Conference - invitation to speak

yes, noon will work on Wed. Call me when you finish your meeting.

Jeanne

Jeanne Clinton
Special Advisor for Energy Efficiency

Calif. PUC, Room 5221, San Francisco
Tel: 415/ 703-1159
e-mail: cln@cpuc.ca.gov or
jeanne.clinton@cpuc.ca.gov

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From:	Beth Vaughan <beth@beth411.com>
Sent:	Wednesday, March 6, 2013 12:06 PM
To:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject:	FW: energy invitees 3.5.13
Attach:	3.5.13 Energy Invitees.pdf

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, March 05, 2013 4:31 PM
To: Beth Vaughan
Subject: energy invitees 3.5.13

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
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Virgil Welch, Special Assistant

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CALIFORNIA STATE SENATE

Tom Berryhill

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CALIFORNIA STATE ASSEMBLY

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* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
* *Ben Hueso*
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
* *Henry Perea*
* *Bill Quirk*
Sharon Quirk-Silva
* *Anthony Rendon*

* Confirmed
List @ 3/5/2013

Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

* Confirmed
List @ 3/5/2013

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi*, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
* *Kassandra F. Gough*, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones*, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust

* Confirmed
List @ 3/5/2013

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Sue Kateley*, Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Sepideh Khosrowjah,* Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier*, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/5/2013

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 1:05 PM
To:	Brown, Carol A. <carol.brown@cpuc.ca.gov>; Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	Quarterbacking next CFEE talk - 4/25 & 4/26

Hi Carol and Sepideh

As you're probably aware, there is an Energy 101 CFEE conference coming up on 4/25 and 4/26. One of the major topics being discussed is EE. Mark has expressed interest in attending and presenting on that day with *newly confirmed(!)* Andrew McAllister. Jeanne Clinton has very graciously suggested that a CPUC Commissioner would be a better counterpoint, which is on 4/25 afternoon.

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If we can work this out, then I can get back to Beth V. and confirm this!
Thanks
Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 1:23 PM
To:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Cc:	Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>; Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>; Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject:	Fw: Quarterbacking next CFEE talk - 4/25 & 4/26

Mike,
Are you planning to attend both days for the CFEE conference?
Thanks

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 01:05 PM Pacific Standard Time
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

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Michael

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michael.colvin@cpuc.ca.gov

From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Wednesday, March 6, 2013 2:09 PM
To: Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Subject: FW: Quarterbacking next CFEE talk - 4/25 & 4/26

Re: CFEE Conference 4/25 and 4/26. What was your intention as to your attendance? As you can see below, Ferron would like to attend when either you or Florio are not in attendance.

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 1:05 PM
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

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Thanks
Michael

Michael Colvin
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California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From: Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent: Wednesday, March 6, 2013 4:26 PM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: Re: Quarterbacking next CFEE talk - 4/25 & 4/26

I will attend both days.
------Original Message------
From: Brown, Carol A.
To: Peevey, Michael R.
Subject: FW: Quarterbacking next CFEE talk - 4/25 & 4/26
Sent: Mar 6, 2013 2:08 PM

Re: CFEE Conference 4/25 and 4/26. What was your intention as to your attendance? As you can see below, Ferron would like to attend when either you or Florio are not in attendance.

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 1:05 PM
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

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California Public Utilities Commission
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michael.colvin@cpuc.ca.gov

From:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 4:45 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>; Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	RE: Quarterbacking next CFEE talk - 4/25 & 4/26

Peevey is planning on attending all day both days – sorry that creates a problem

---

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 1:05 PM
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

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California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From: Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Sent: Wednesday, March 6, 2013 4:54 PM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: RE: Quarterbacking next CFEE talk - 4/25 & 4/26

Did you talk to him regarding other Commissioner's participation? Thx

Sepideh Khosrowjah
Commissioner Florio's Chief of Staff
Sepideh.khosrowjah@cpuc.ca.gov
505 Van Ness Ave., Room 5201, San Francisco, Ca 94102
(o) 415-703-1190
(c) 415-271-2760

From: Brown, Carol A.
Sent: Wednesday, March 06, 2013 4:45 PM
To: Colvin, Michael; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: RE: Quarterbacking next CFEE talk - 4/25 & 4/26

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From: Colvin, Michael
Sent: Wednesday, March 06, 2013 1:05 PM
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

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California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:05 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>; Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	Re: Quarterbacking next CFEE talk - 4/25 & 4/26

Yes. It is perfectly fine for your commissioners to divide up their attendance any way that works for them
Thanks
Carol

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 01:05 PM Pacific Standard Time
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

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From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:08 PM
To:	Brown, Carol A. <carol.brown@cpuc.ca.gov>; Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	RE: Quarterbacking next CFEE talk - 4/25 & 4/26

Sounds like a plan. Thanks!

From: Brown, Carol A.
Sent: Wednesday, March 06, 2013 5:05 PM
To: Colvin, Michael; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Re: Quarterbacking next CFEE talk - 4/25 & 4/26

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From:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:10 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>; Brown, Carol A. <carol.brown@cpuc.ca.gov>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>; Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>
Subject:	RE: Quarterbacking next CFEE talk - 4/25 & 4/26

Michael and I just talked Commissioner Ferron is attending the first day ad Commissioner Florio is attending the second day.

Sepideh Khosrowjah
Commissioner Florio's Chief of Staff
Sepideh.khosrowjah@cpuc.ca.gov
505 Van Ness Ave., Room 5201, San Francisco, Ca 94102
(o) 415-703-1190
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From: Colvin, Michael
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California Public Utilities Commission
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michael.colvin@cpuc.ca.gov

From:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:13 PM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject:	FW: CFEE Energy Conference - April 25 - 26, 2013
Attach:	EnergyPL&AG.pdf; EnergyPL&AG.pdf

Ask me about this tomorrow.

Sepideh Khosrowjah
Commissioner Florio's Chief of Staff
Sepideh.khosrowjah@cpuc.ca.gov
505 Van Ness Ave., Room 5201, San Francisco, Ca 94102
(o) 415-703-1190
(c) 415-271-2760

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Sunday, March 03, 2013 5:52 PM
To: Celeste Cremen
Cc: Michaela Balgenorth; bob@sbctc.org; Sean Beatty; Cameron Heggi; greg.blue@sbcglobal.net; Robert Boykin; Jamie Mori; Como, Joe; Danny Curtin; Lynne Shields; jearp@rebuildca.org; Susan Stevens; Rita Winn-Roberts; Teresa Trujillo; Davina Flemings; William Doll; Denneile Harvey; Johnnie Giles; Christin Hemann; Joseph Zanze; Mark Timmerman; Deanna Hansen; <John.Hanula@CH2M.com>; Daisy Luna; Karin Means; rhunter@sbctc.org; Sue Kateley; Khosrowjah, Sepideh; Alicia French; Elaine Sandoval; Michael Liikala; Rachel Simons; cheri.fry@asm.ca.gov; roglesby@energy.state.ca.us; morgan.hendley@asm.ca.gov; Janice Lark; Meredith Borak; Alicia Isaacs; Poirier, Marcelo; miranda.flores@asm.ca.gov; Veronica Alarcon; Jalene Romo; karla.mendoza@asm.ca.gov; Sid Stolper; Mike Massey; Tisdale, Matthew; Mark Toney; Rita Shriver; Tatum Holland
Subject: CFEE Energy Conference - April 25 - 26, 2013

Hello,

I am following up on the invite to the CFEE Energy Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa. If you plan on attending and do not show confirmed on our Invitee List please respond to this email. I have enclosed the latest agenda and invitee list.

If you need a copy of your original invite please let me know.

Thank you.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786

F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Michel Florio*, Commissioner
* *Nancy E. Ryan*, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
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BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

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* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

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* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

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* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
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* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
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Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
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CONSUMER

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Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

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Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

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Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason,** President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Michel Florio*, Commissioner
* *Nancy E. Ryan*, Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

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* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

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***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

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Rep, Industry

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Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:16 PM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Kamins, Sara M. <sara.kamins@cpuc.ca.gov>; Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>; Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	RE: CFEE Energy Conference - invitation to speak

Mark
I spoke with both Beth Vaughn (who's putting together the agenda for CFEE) and with Florio's/Peevey's office, and I think that we are all set. I think that you will go on day 1 and Florio will join for the dinner that night be there for day 2. Peevey will be there for both days. I tried to see if there was a way to have you be there for both days, but alas Peevey said that he was going to do both days.

Regarding advisors, I think that easily 1 can go with and there shouldn't be a problem with more than 1, if desired.

Juliane – the date of day one is 4/25 so we should block that off now.

Thanks!
Michael

From: Ferron, Mark J.
Sent: Tuesday, March 05, 2013 11:58 AM
To: TerKeurst, Charlotte; Colvin, Michael; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: Fwd: CFEE Energy Conference - invitation to speak
Importance: High

Begin forwarded message:

From: "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference - invitation to speak
Date: March 1, 2013 5:04:04 PM PST
To: "Randolph, Edward F." <edward.randolph@cpuc.ca.gov>, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

what do you guys think about who is right person from CPUC to speak at this forum? I'm certainly willing to do, but of late ED has been the visible voice on this in Sacramento. On the other hand, Andrew is at Commissioner level -- do we want to match that?

Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain

how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

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Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly prohibited.

From:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov> on behalf of Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:20 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	CFEE Energy Conference
Attach:	Untitled Attachment

BNK 3/6/13

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 5:16 PM
To: Ferron, Mark J.; TerKeurst, Charlotte; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: RE: CFEE Energy Conference - invitation to speak

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Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]

Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

From:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:21 PM
To:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Subject:	RE: Quarterbacking next CFEE talk - 4/25 & 4/26

The day one vs. day two split seems reasonable to me . . . .

From: Khosrowjah, Sepideh
Sent: Wednesday, March 06, 2013 1:23 PM
To: Florio, Michel Peter
Cc: Tisdale, Matthew; Poirier, Marcelo; Dahlgren, Joan
Subject: Fw: Quarterbacking next CFEE talk - 4/25 & 4/26

Mike,
Are you planning to attend both days for the CFEE conference?
Thanks

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 01:05 PM Pacific Standard Time
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

Hi Carol and Sepideh

As you're probably aware, there is an Energy 101 CFEE conference coming up on 4/25 and 4/26. One of the major topics being discussed is EE. Mark has expressed interest in attending and presenting on that day with *newly confirmed(!)* Andrew McAllister. Jeanne Clinton has very graciously suggested that a CPUC Commissioner would be a better counterpoint, which is on 4/25 afternoon.

We do have a potential BK problem – which is if both Peevey and Florio wanted to be there the entire day both days. Sepideh - it appears from the draft agenda that Florio is talking only on day 2, 4/26. Is he planning on being there on day 1? Same question to Carol – is Peevey planning on being there the whole time, both days? I think that Mark's preference is to attend as much as possible (since he rarely does CFEE events) but will coordinate as appropriate.

If we can work this out, then I can get back to Beth V. and confirm this!
Thanks
Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov> on behalf of Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Wednesday, March 6, 2013 5:25 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	CFEE Energy Conference (exact time TBD)
Attach:	Untitled Attachment

BNK 3/6/13

DRAFT AGENDA

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission *(5-7 min)*
Bob Weisenmiller, Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities,
Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 5:16 PM
To: Ferron, Mark J.; TerKeurst, Charlotte; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: RE: CFEE Energy Conference - invitation to speak

Mark
I spoke with both Beth Vaughn (who's putting together the agenda for CFEE) and with Florio's/Peevey's office, and I think that we are all set. I think that you will go on day 1 and Florio will join for the dinner that night be there for day 2. Peevey will be there for both days. I tried to see if there was a way to have you be there for both days, but alas Peevey said that he was going to do both days.

Regarding advisors, I think that easily 1 can go with and there shouldn't be a problem with more than 1, if desired.

Juliane – the date of day one is 4/25 so we should block that off now.

Thanks!
Michael

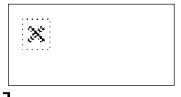
From: Ferron, Mark J.
Sent: Tuesday, March 05, 2013 11:58 AM
To: TerKeurst, Charlotte; Colvin, Michael; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: Fwd: CFEE Energy Conference - invitation to speak
Importance: High

Begin forwarded message:

From: "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference - invitation to speak
Date: March 1, 2013 5:04:04 PM PST
To: "Randolph, Edward F." <edward.randolph@cpuc.ca.gov>, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

what do you guys think about who is right person from CPUC to speak at this forum? I'm certainly willing to do, but of late ED has been the visible voice on this in Sacramento. On the other hand, Andrew is at Commissioner level -- do we want to match that?

Jeanne



From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we

should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

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Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

From:	Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent:	Thursday, March 7, 2013 6:49 PM
To:	Ryan, Nancy <nancy.ryan@cpuc.ca.gov>
Subject:	FW: CFEE Invitation to Energy Conference/Randolph
Attach:	Randolph, Ed.pdf; 020913 draft energy agenda.pdf; 030113 Energy Invitee List.pdf

So they have now formally invited me to the conference but as an Observer. I am about done with these things as an observer. I am basically replacing you, where you an observer.

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:38 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 5, 2013

Mr. Edward Randolph
Director, Energy Division
California Public Utilities Commission
505 Van Ness Ave., Room 4004
San Francisco, CA 94102

Dear Mr. Randolph,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

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***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

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Jeanne Clinton, Special Advisor to the California Public Utilities Commission

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Rep, Industry

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Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

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*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
Mike Florio, Commissioner, California Public Utilities Commission
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Rep, Southern California Edison

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John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

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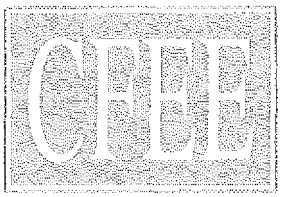
Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed



CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President
* *Michel Florio,* Commissioner
* *Nancy E. Ryan,* Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

From:	Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent:	Thursday, March 7, 2013 6:57 PM
To:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Cc:	Clanon, Paul <paul.clanon@cpuc.ca.gov>
Subject:	FW: CFEE Invitation to Energy Conference/Randolph
Attach:	Randolph, Ed.pdf; 020913 draft energy agenda.pdf; 030113 Energy Invitee List.pdf

Lynn,

Attached is an invite and agenda for a CFEE conference in April that I received. I think you would really benefit from this conference. It looks like a good agenda and there is lots of good networking that goes on (especially at the dinner) that would really benefit you.

I don't go to these anymore unless there the agenda is something that I specifically care about as they tend to repeat themselves over time, but they are a great resource .

If you want to go, and want assistance getting invited let me know.

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:38 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227

www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 5, 2013

Mr. Edward Randolph
Director, Energy Division
California Public Utilities Commission
505 Van Ness Ave., Room 4004
San Francisco, CA 94102

Dear Mr. Randolph,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President
* *Michel Florio,* Commissioner
* *Nancy E. Ryan,* Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

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* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

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Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

From: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent: Thursday, March 7, 2013 7:53 PM
To: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Subject: Re: CFEE Invitation to Energy Conference/Randolph

I had talked with Pat about getting involved in a few CFEE activities. Looks like a good time to start.

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

On Mar 7, 2013, at 6:57 PM, "Randolph, Edward F." <edward.randolph@cpuc.ca.gov> wrote:

> Lynn,
>
> Attached is an invite and agenda for a CFEE conference in April that I received. I think you would really benefit from this conference. It looks like a good agenda and there is lots of good networking that goes on (especially at the dinner) that would really benefit you.
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> I don't go to these anymore unless there the agenda is something that I specifically care about as they tend to repeat themselves over time, but they are a great resource .
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Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:38 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy

Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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<Randolph, Ed.pdf>

<020913 draft energy agenda.pdf>

<030113 Energy Invitee List.pdf>

From:	Lynn Sadler <mslynnsadler@gmail.com>
Sent:	Thursday, March 7, 2013 9:26 PM
To:	Paul Clanon <paul.clanon@cpuc.ca.gov>
Cc:	Lynn Sadler <lynn.sadler@cpuc.ca.gov>
Subject:	Fwd: CFEE conference

I would like to attend this.

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

Begin forwarded message:

> **From:** Pat Mason <pat@cfee.net>
> **Date:** March 7, 2013, 8:49:48 PM PST
> **To:** Lynn Sadler <mslynnsadler@gmail.com>
> **Cc:** Celeste Cremen <celeste@cfee.net>
> **Subject: Re: CFEE conference**
>
> All you need is approval from His Lordship Cardinal Peevey. We are happy to invite you.
> Have Ed, Paul or Nancy propose it.
> Glad you checked in.
> Pat
>
> **Patrick F. Mason**
> President
>
> **California Foundation on the Environment and the Economy**
> Pier 35, Suite 202 | San Francisco, CA 94133
> T: 415.788.1786
> F: 415.986.2227
> www.cfee.net
>
> **This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.**
>
> On Mar 7, 2013, at 7:51 PM, Lynn Sadler <mslynnsadler@gmail.com> wrote:
>
> > Hello Pat,
> >
> > We had talked earlier about my getting involved in some CFEE activities and I just noticed a conference is coming up in April. Ed Randolph suggested this would be an especially good one for me to attend. How does this work? Do I

arrange a Commissioner to sponsor me? Bribe a board member? Scratch out Ed's name and RSVP? What needs to happen?

Thanks, Pat, for your assistance and work on this excellent conference. I hope to see you soon.

Lynn Sadler, Director
Office of Governmental Affairs
California Public Utilities Commission

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

From:	Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent:	Friday, March 8, 2013 11:49 AM
To:	Joan Lynch <jlynch@cfee.net>
Subject:	RE: Invitation to CFEE Energy Conf 2013

Joan
I havent seen an official invite for this event. Did you send it to me at the CPUC?
Thank you
Nick

From: Joan Lynch [jlynch@cfee.net]
Sent: Thursday, December 20, 2012 4:08 PM
To: Chaset, Nicolas L.
Subject: Invitation to CFEE Energy Conf 2013

This message's contents have been archived by the Barracuda Message Archiver.
Chaset.pdf (104.3K)

Mr. Chaset,
Attached please find your invitation to our 2013 Roundtable Conference on Energy, sent at the suggestion of Cliff Rechtschaffen.
We were given the State Capitol as your address, but since that is not the case, it was returned to us today.

Please advise how we can contact you to follow up as the conference and agenda develops.

Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
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From: Joan Lynch <jlynch@cfee.net>
Sent: Friday, March 8, 2013 12:01 PM
To: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: Re: Invitation to CFEE Energy Conf 2013
Attach: Chaset.pdf

Nick,
You can accept the original invite as the official invite.
I've attached it (pdf) again. (If you prefer a snail-mail version,
or need the Van Ness Ave address on it, please advise and we'll redo.)
Please contact Celeste at 415-788-0812 if you'd like to confirm your attendance.
(Though she is out of the office today.) We will have a working draft agenda available very soon.
Let me know if you need anything else.

Thank you,
Joan Lynch
Office Administrator

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From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Fri, 8 Mar 2013 19:49:07 +0000
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: Invitation to CFEE Energy Conf 2013

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Nick

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

November 26, 2012

Mr. Nicolas Chaset
Special Advisor to the Governor for DG, CHP & Energy Storage
Office of the Governor
State Capitol
Sacramento, CA 95814

Dear Mr. Chaset,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

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- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
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- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

The Foundation, a 501(c)(3) nonprofit organization, will sponsor your room and group meals. You will be responsible for incidental expenses and travel.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

PFM/jl

Enclosure

cc: Gabriela Montano
Catherine Ohaegbu

From: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent: Friday, March 8, 2013 12:11 PM
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: Invitation to CFEE Energy Conf 2013

Thank you. No need for the snail mail version.
Thanks

From: Joan Lynch [jlynch@cfee.net]
Sent: Friday, March 08, 2013 12:00 PM
To: Chaset, Nicolas L.
Subject: Re: Invitation to CFEE Energy Conf 2013

Nick,
You can accept the original invite as the official invite.
I've attached it (pdf) again. (If you prefer a snail-mail version,
or need the Van Ness Ave address on it, please advise and we'll redo.)
Please contact Celeste at 415-788-0812 if you'd like to confirm your attendance.
(Though she is out of the office today.) We will have a working draft agenda available very soon.
Let me know if you need anything else.

Thank you,
Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Fri, 8 Mar 2013 19:49:07 +0000
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: Invitation to CFEE Energy Conf 2013

Joan
I havent seen an official invite for this event. Did you send it to me at the CPUC?
Thank you
Nick

From: Joan Lynch [jlynch@cfee.net]
Sent: Thursday, December 20, 2012 4:08 PM
To: Chaset, Nicolas L.
Subject: Invitation to CFEE Energy Conf 2013

This message's contents have been archived by the Barracuda Message Archiver.

Chaset.pdf (104.3K)

Mr. Chaset,
Attached please find your invitation to our 2013 Roundtable Conference on Energy, sent at the suggestion of Cliff Rechtschaffen.
We were given the State Capitol as your address, but since that is not the case, it was returned to us today.

Please advise how we can contact you to follow up as the conference and agenda develops.

Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From: Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
Sent: Monday, March 11, 2013 6:00 AM
To: Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Cc: Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Subject: FW: Quarterbacking next CFEE talk - 4/25 & 4/26

My preferred CFEE schedule would be spending full day on Thursday, staying for dinner Thursday night, staying overnight, and then heading back to the Bay Friday. If anyone has any objections, please let me know by Friday. If I don't concerns I'll let the CFEE folks know what to expect from me.

From: Khosrowjah, Sepideh
Sent: Wednesday, March 06, 2013 5:10 PM
To: Colvin, Michael; Brown, Carol A.
Cc: Clinton, Jeanne; TerKeurst, Charlotte; Tisdale, Matthew; Poirier, Marcelo
Subject: RE: Quarterbacking next CFEE talk - 4/25 & 4/26

Michael and I just talked Commissioner Ferron is attending the first day ad Commissioner Florio is attending the second day.

Sepideh Khosrowjah
Commissioner Florio's Chief of Staff
Sepideh.khosrowjah@cpuc.ca.gov
505 Van Ness Ave., Room 5201, San Francisco, Ca 94102
(o) 415-703-1190
(c) 415-271-2760

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 5:08 PM
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: RE: Quarterbacking next CFEE talk - 4/25 & 4/26

Sounds like a plan. Thanks!

From: Brown, Carol A.
Sent: Wednesday, March 06, 2013 5:05 PM
To: Colvin, Michael; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Re: Quarterbacking next CFEE talk - 4/25 & 4/26

Yes. It is perfectly fine for your commissioners to divide up their attendance any way that works for them
Thanks
Carol

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 01:05 PM Pacific Standard Time
To: Brown, Carol A.; Khosrowjah, Sepideh
Cc: Clinton, Jeanne; TerKeurst, Charlotte
Subject: Quarterbacking next CFEE talk - 4/25 & 4/26

Hi Carol and Sepideh

As you're probably aware, there is an Energy 101 CFEE conference coming up on 4/25 and 4/26. One of the major topics being discussed is EE. Mark has expressed interest in attending and presenting on that day with *newly confirmed(!)* Andrew McAllister. Jeanne Clinton has very graciously suggested that a CPUC Commissioner would be a better counterpoint, which is on 4/25 afternoon.

We do have a potential BK problem – which is if both Peevey and Florio wanted to be there the entire day both days. Sepideh - it appears from the draft agenda that Florio is talking only on day 2, 4/26. Is he planning on being there on day 1? Same question to Carol – is Peevey planning on being there the whole time, both days? I think that Mark's preference is to attend as much as possible (since he rarely does CFEE events) but will coordinate as appropriate.

If we can work this out, then I can get back to Beth V. and confirm this!
Thanks
Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 10:19 AM
To:	Clanon, Paul <paul.clanon@cpuc.ca.gov>; 'Cliff Rechtschaffen' <Cliff.Rechtschaffen@GOV.CA.GOV>
Cc:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

I was approached by CFEE to be on EE panel, but I suggested they instead seek out Mark Ferron, which is now "done".
I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
CFEE still invites me to attend as observer. Are you OK with this?

Jeanne

From: Cliff Rechtschaffen <Cliff.Rechtschaffen@GOV.CA.GOV>
Sent: Tuesday, March 12, 2013 11:53 AM
To: Jeanne Clinton <Jeanne.Clinton@cpuc.ca.gov>; Clanon, Paul <paul.clanon@cpuc.ca.gov>
Cc: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Yes, definitely ok with me.

From: Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
Sent: Tuesday, March 12, 2013 10:19 AM
To: Clanon, Paul; Cliff Rechtschaffen
Cc: Colvin, Michael
Subject: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

I was approached by CFEE to be on EE panel, but I suggested they instead seek out Mark Ferron, which is now "done". I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
CFEE still invites me to attend as observer. Are you OK with this?

Jeanne

From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 12:15 PM
To:	'Cliff Rechtschaffen' <Cliff.Rechtschaffen@GOV.CA.GOV>
Subject:	RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

thanks.

From: Cliff Rechtschaffen [mailto:Cliff.Rechtschaffen@GOV.CA.GOV]
Sent: Tuesday, March 12, 2013 11:53 AM
To: Clinton, Jeanne; Clanon, Paul
Cc: Colvin, Michael
Subject: RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Yes, definitely ok with me.

From: Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
Sent: Tuesday, March 12, 2013 10:19 AM
To: Clanon, Paul; Cliff Rechtschaffen
Cc: Colvin, Michael
Subject: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

I was approached by CFEE to be on EE panel, but I suggested they instead seek out Mark Ferron, which is now "done".
I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
CFEE still invites me to attend as observer. Are you OK with this?

Jeanne

From:	Clanon, Paul <paul.clanon@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 12:39 PM
To:	Cliff Rechtschaffen <Cliff.Rechtschaffen@GOV.CA.GOV>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	Re: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Me too.

On Mar 12, 2013, at 11:53 AM, "Cliff Rechtschaffen" <Cliff.Rechtschaffen@GOV.CA.GOV> wrote:

> Yes, definitely ok with me.
>
> **From:** Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
> **Sent:** Tuesday, March 12, 2013 10:19 AM
> **To:** Clanon, Paul; Cliff Rechtschaffen
> **Cc:** Colvin, Michael
> **Subject:** OK for Jeanne to attend CFEE Energy 101 for new legislators in April?
>
> I was approached by CFEE to be on EE panel, but I suggested they instead seek out Mark Ferron, which is now "done".
> I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
> CFEE still invites me to attend as observer. Are you OK with this?
>
> Jeanne

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 12:40 PM
To: Clanon, Paul <paul.clanon@cpuc.ca.gov>
Subject: RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Thanks, Paul

From: Clanon, Paul
Sent: Tuesday, March 12, 2013 12:39 PM
To: Cliff Rechtschaffen
Cc: Clinton, Jeanne; Colvin, Michael
Subject: Re: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Me too.

On Mar 12, 2013, at 11:53 AM, "Cliff Rechtschaffen" <Cliff.Rechtschaffen@GOV.CA.GOV> wrote:

> Yes, definitely ok with me.
>
> **From:** Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
> **Sent:** Tuesday, March 12, 2013 10:19 AM
> **To:** Clanon, Paul; Cliff Rechtschaffen
> **Cc:** Colvin, Michael
> **Subject:** OK for Jeanne to attend CFEE Energy 101 for new legislators in April?
> I was approached by CFEE to be on EE panel, but I suggested they instead seek out Mark Ferron, which is now "done".
> I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
> CFEE still invites me to attend as observer. Are you OK with this?
> Jeanne

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 12:49 PM
To:	Clanon, Paul <paul.clanon@cpuc.ca.gov>; Cliff Rechtschaffen <Cliff.Rechtschaffen@GOV.CA.GOV>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject:	RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

I'm certain Ferron would be thrilled to have someone of your depth and expertise in the room.
Michael

From: Clanon, Paul
Sent: Tuesday, March 12, 2013 12:39 PM
To: Cliff Rechtschaffen
Cc: Clinton, Jeanne; Colvin, Michael
Subject: Re: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Me too.

On Mar 12, 2013, at 11:53 AM, "Cliff Rechtschaffen" <Cliff.Rechtschaffen@GOV.CA.GOV> wrote:

> Yes, definitely ok with me.
>
> **From:** Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
> **Sent:** Tuesday, March 12, 2013 10:19 AM
> **To:** Clanon, Paul; Cliff Rechtschaffen
> **Cc:** Colvin, Michael
> **Subject:** OK for Jeanne to attend CFEE Energy 101 for new legislators in April?
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> I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
> CFEE still invites me to attend as observer. Are you OK with this?
>
> Jeanne

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 1:02 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Thank you for the boosterism, Michael. You all have agreed it's a good thing for me to do.!!
J

From: Colvin, Michael
Sent: Tuesday, March 12, 2013 12:49 PM
To: Clanon, Paul; Cliff Rechtschaffen
Cc: Clinton, Jeanne
Subject: RE: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

I'm certain Ferron would be thrilled to have someone of your depth and expertise in the room.
Michael

From: Clanon, Paul
Sent: Tuesday, March 12, 2013 12:39 PM
To: Cliff Rechtschaffen
Cc: Clinton, Jeanne; Colvin, Michael
Subject: Re: OK for Jeanne to attend CFEE Energy 101 for new legislators in April?

Me too.

On Mar 12, 2013, at 11:53 AM, "Cliff Rechtschaffen" <Cliff.Rechtschaffen@GOV.CA.GOV> wrote:

> Yes, definitely ok with me.
>
> ---
>
> **From:** Clinton, Jeanne [mailto:jeanne.clinton@cpuc.ca.gov]
> **Sent:** Tuesday, March 12, 2013 10:19 AM
> **To:** Clanon, Paul; Cliff Rechtschaffen
> **Cc:** Colvin, Michael
> **Subject:** OK for Jeanne to attend CFEE Energy 101 for new legislators in April?
>
> I was approached by CFEE to be on EE panel, but I suggested they instead seek out Mark Ferron, which is now "done".
> I also have spent some time counseling the CFEE panel organizer on other discussants for that panel, emerging issues, ...
> CFEE still invites me to attend as observer. Are you OK with this?
>
> Jeanne

From: Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 1:53 PM
To: Celeste Cremen <celeste@cfee.net>
Cc: Lukins, Chloe <chloe.lukins@cpuc.ca.gov>; Roble, Elaine <elaine.roble@cpuc.ca.gov>; Serizawa, Linda <linda.serizawa@cpuc.ca.gov>
Subject: CFEE Energy Conference -April 25-26, 2013

Hello Celeste:

At your request, this is a follow up email to our conversation of this afternoon. DRA would like to have Chloe Lukins, our Program Manager, with the Electricity Planning & Policy Branch of the Division of Ratepayer Advocates attend the CFEE Energy Roundtable Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa, California as observer.

Please send your invitation and registration information to Ms. Lukins at chloe.lukins@cpuc.ca.gov

Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From:	Nora Traughber <nora@cfee.net>
Sent:	Tuesday, March 12, 2013 5:04 PM
To:	bnk@cpuc.ca.gov
Subject:	CFEE Energy Conference Invitation
Attach:	Ferron.pdf; 030713 Energy Participant.pdf

Hello,

Attached is Commissioner Ferron's Energy Conference invitation, as well as invitee list. Please let me know if you need anything else.

Best,

Nora Traughber
Fellow

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
Mobile: 310.767.6252
Office: 415.788.1786
Fax: 415.986.2227
www.cfee.net

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 7, 2013

Mr. Mark J. Ferron
Commissioner
California Public Utilities Commission
505 Van Ness Avenue, Room 5213
San Francisco, CA 94102

Dear Mr. Ferron,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

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415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

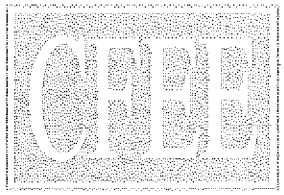
Sincerely,

Patrick F. Mason (mw)

Patrick F. Mason
President

PFM/mw

Enclosure



CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Mark Ferron,* Commissioner
* *Michel Florio*, Commissioner

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister,* Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

* Confirmed
List @ 3/7/2013

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415 788 1786 www.cfee.net FAX 415 986 2227

CALIFORNIA STATE SENATE

Tom Berryhill
Anthony Cannella
Mark DeSaulnier
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
* *Joan Buchanan*
Roger Dickinson
* *Susan Talamantes Eggman*
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
* *Ben Hueso*
Melissa A. Melendez
Kristin Olsen
James Patterson
* *Bill Quirk*
Sharon Quirk-Silva
* *Anthony Rendon*
Rudy Salas

* Confirmed
List @ 3/7/2013

Nancy Skinner

Donald Wagner

Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America

William Boyd, Transwest Express, LLC, Executive Vice President, Chief Executive Officer

James Earp, Executive Director, California Alliance for Jobs

* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton

Matt Futch, Global Policy Director, IBM Energy & Utilities Industry

Johnnie Giles, Vice President, Government Affairs, Comcast Cable

John Hanula, Vice President, CH2M Hill

Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM

Sheldon Kimber, Chief Operating Officer, Recurrent Energy

Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM

Michael Liikala, International Representative, ACS Infrastructure Development

Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company

William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft

Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company

* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/7/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi*, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
* *Kassandra F. Gough*, Director, Government & Legislative Affairs, Calpine Corporation

* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones*, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/7/2013

LABOR

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Climate Strategies Branch Manager, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, California Public Utilities Commission
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Sue Kateley*, Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Sepideh Khosrowjah,* Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier*, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.

* Confirmed
List @ 3/7/2013

* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources

Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.

* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/7/2013

From:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 5:08 PM
To:	Nora Traughber <nora@cfee.net>
Subject:	RE: CFEE Energy Conference Invitation

Thank you, Nora! I really appreciate your assistance.

From: Nora Traughber [mailto:nora@cfee.net]
Sent: Tuesday, March 12, 2013 5:04 PM
To: Banks, Juliane
Subject: CFEE Energy Conference Invitation

Hello,

Attached is Commissioner Ferron's Energy Conference invitation, as well as invitee list. Please let me know if you need anything else.

Best,

Nora Traughber
Fellow

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
Mobile: 310.767.6252
Office: 415.788.1786
Fax: 415.986.2227
www.cfee.net

From:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 5:09 PM
To:	Mark Ferron (Mark.Ferron@cpuc.ca.gov)
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	FW: CFEE Energy Conference Invitation
Attach:	Ferron.pdf; 030713 Energy Participant.pdf

Fyi...

From: Nora Traughber [mailto:nora@cfee.net]
Sent: Tuesday, March 12, 2013 5:04 PM
To: Banks, Juliane
Subject: CFEE Energy Conference Invitation

Hello,

Attached is Commissioner Ferron's Energy Conference invitation, as well as invitee list. Please let me know if you need anything else.

Best,

Nora Traughber
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California Foundation on the Environment and the Economy
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 7, 2013

Mr. Mark J. Ferron
Commissioner
California Public Utilities Commission
505 Van Ness Avenue, Room 5213
San Francisco, CA 94102

Dear Mr. Ferron,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

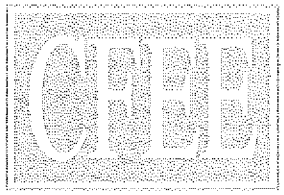
Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure



CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President
* *Mark Ferron,* Commissioner
* *Michel Florio*, Commissioner

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister,* Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

* Confirmed
List @ 3/7/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

CALIFORNIA STATE SENATE

Tom Berryhill
Anthony Cannella
Mark DeSaulnier
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
* *Joan Buchanan*
Roger Dickinson
* *Susan Talamantes Eggman*
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
* *Ben Hueso*
Melissa A. Melendez
Kristin Olsen
James Patterson
* *Bill Quirk*
Sharon Quirk-Silva
* *Anthony Rendon*
Rudy Salas

* Confirmed
List @ 3/7/2013

Nancy Skinner

Donald Wagner

Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America

William Boyd, Transwest Express, LLC, Executive Vice President, Chief Executive Officer

James Earp, Executive Director, California Alliance for Jobs

* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton

Matt Futch, Global Policy Director, IBM Energy & Utilities Industry

Johnnie Giles, Vice President, Government Affairs, Comcast Cable

John Hanula, Vice President, CH2M Hill

Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM

Sheldon Kimber, Chief Operating Officer, Recurrent Energy

Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM

Michael Liikala, International Representative, ACS Infrastructure Development

Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company

William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft

Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company

* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/7/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi*, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
* *Kassandra F. Gough*, Director, Government & Legislative Affairs, Calpine Corporation

* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones*, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/7/2013

LABOR

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Climate Strategies Branch Manager, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, California Public Utilities Commission
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Sue Kateley*, Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Sepideh Khosrowjah,* Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier*, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.

* Confirmed
List @ 3/7/2013

* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources

Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.

* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/7/2013

From: Serizawa, Linda <linda.serizawa@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 5:53 PM
To: Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Cc: Lukins, Chloe <chloe.lukins@cpuc.ca.gov>; Roble, Elaine <elaine.roble@cpuc.ca.gov>
Subject: RE: CFEE Energy Conference -April 25-26, 2013

Thanks, Rosie.

From: Mendoza, Rosemary
Sent: Tuesday, March 12, 2013 1:52 PM
To: Celeste Cremen
Cc: Lukins, Chloe; Roble, Elaine; Serizawa, Linda
Subject: CFEE Energy Conference -April 25-26, 2013

Hello Celeste:

At your request, this is a follow up email to our conversation of this afternoon. DRA would like to have Chloe Lukins, our Program Manager, with the Electricity Planning & Policy Branch of the Division of Ratepayer Advocates attend the CFEE Energy Roundtable Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa, California as observer.

Please send your invitation and registration information to Ms. Lukins at chloe.lukins@cpuc.ca.gov

Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From:	Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Sent:	Tuesday, March 12, 2013 6:21 PM
To:	Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Subject:	Fwd: CFEE Energy Conference -April 25-26, 2013

From
Rosie

Begin forwarded message:

From: "Serizawa, Linda" <linda.serizawa@cpuc.ca.gov>
Date: March 12, 2013, 5:53:13 PM PDT
To: "Mendoza, Rosemary" <rosemary.mendoza@cpuc.ca.gov>
Cc: "Lukins, Chloe" <chloe.lukins@cpuc.ca.gov>, "Roble, Elaine" <elaine.roble@cpuc.ca.gov>
Subject: RE: CFEE Energy Conference -April 25-26, 2013

Thanks, Rosie.

From: Mendoza, Rosemary
Sent: Tuesday, March 12, 2013 1:52 PM
To: Celeste Cremen
Cc: Lukins, Chloe; Roble, Elaine; Serizawa, Linda
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Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From: Lukins, Chloe <chloe.lukins@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 7:38 PM
To: Mendoza, Rosemary <rosemary.mendoza@cpuc.ca.gov>
Subject: Re: CFEE Energy Conference -April 25-26, 2013

Thanks Rosie.

Sent from my iPhone

On Mar 12, 2013, at 1:52 PM, "Mendoza, Rosemary" <rosemary.mendoza@cpuc.ca.gov> wrote:

> Hello Celeste:
>
> At your request, this is a follow up email to our conversation of this afternoon. DRA would like to have Chloe Lukins, our Program Manager, with the Electricity Planning & Policy Branch of the Division of Ratepayer Advocates attend the CFEE Energy Roundtable Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa, California as observer.
>
> Please send your invitation and registration information to Ms. Lukins at chloe.lukins@cpuc.ca.gov
>
> Ms. Lukins telephone number is: 415-703-1637.
>
> Thank you
>
> Rosie Mendoza
> 415-703-5587

From: Celeste Cremen <celeste@cfee.net>
Sent: Wednesday, March 13, 2013 11:56 AM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject: Re: RSVP for April 25-26 Energy Roundtable

Hi Jeanne,

We'll note your change in title and send you an invoice.

Thanks,
Celeste

On Mar 12, 2013, at 5:43 PM, "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov> wrote:

> this is a "yes" RSVP to be an Observer at this upcoming forum, after checking with Commr. Ferron's Office, Paul Clanon, and Cliff Rechtschaffen in Gov's Office.
>
> Please note I have a different title than in 2009 (:>) I am an appointee of the Governor these days, embedded at the CPUC.
>
> I understand you will be sending an invoice -- hopefully before the actual event, just to make sure the paperwork gets cleared and paid in advance of end of fiscal year closing dates.
>
> Jeanne
>
> **Jeanne Clinton**
> *Special Advisor to the Governor for Energy Efficiency*
>
> California Public Utilities Commission
> 505 Van Ness Avenue, Room 5221
> San Francisco, CA 94102
>
> Tel: **415/ 703-1159**
> e-mail: cln@cpuc.ca.gov or
> jeanne.clinton@cpuc.ca.gov

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From:	Beth Vaughan <beth@beth411.com>
Sent:	Thursday, March 14, 2013 11:25 AM
To:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Cc:	'Pat Mason' <pat@cfee.net>
Subject:	Introduction to Johnson Controls contact

Hi Jeanne,

You mentioned Johnson Controls as being an interesting participant for the CFEE conference and the energy efficiency panel. I think you said Clay Nessler, VP Global Energy and Sustainability is a good speaker and may be based locally. Could you send me his contact information and maybe do an introductory email for us? Pat and I would like to set up a conference call with him to talk about the roundtable.

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly prohibited.

From:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent:	Thursday, March 14, 2013 11:28 AM
To:	Kamins, Sara M. <sara.kamins@cpuc.ca.gov>; Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Subject:	CFEE Conference in Napa on 4/25-26

Hi Sara / Charlyn,
Are you interested in attending this conference on April 25-26, 2013 in Napa? Please let me know, so I can call to confirm.

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From: Kamins, Sara M. <sara.kamins@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 11:55 AM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>; Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Subject: RE: CFEE Conference in Napa on 4/25-26

Isn't it on Energy Efficiency? I think no if so.

From: Emelo, Josephine
Sent: Thursday, March 14, 2013 11:28 AM
To: Kamins, Sara M.; Hook, Charlyn A.
Subject: CFEE Conference in Napa on 4/25-26

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Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From: Roble, Elaine <elaine.roble@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 12:12 PM
To: Lukins, Chloe <chloe.lukins@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference -April 25-26, 2013

Chloe,

I was wondering if and when you get the invitation as well as the registration information, can you pass this to me so that I can create your training form? Thanks.

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Mendoza, Rosemary
Sent: Tuesday, March 12, 2013 1:53 PM
To: Celeste Cremen
Cc: Lukins, Chloe; Roble, Elaine; Serizawa, Linda
Subject: CFEE Energy Conference -April 25-26, 2013

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Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 12:14 PM
To: Kamins, Sara M. <sara.kamins@cpuc.ca.gov>
Subject: RE: CFEE Conference in Napa on 4/25-26

It is Energy Efficiency and RPS.

Thank you,

Josie E

(415) 703-2531

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Subject: RE: CFEE Conference in Napa on 4/25-26

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Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

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Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

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Rosie Mendoza
415-703-5587

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Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Mendoza, Rosemary
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Cc: Lukins, Chloe; Roble, Elaine; Serizawa, Linda
Subject: CFEE Energy Conference -April 25-26, 2013

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Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 2:47 PM
To: 'celeste@cfee.net'
Subject: CFEE Roundtable Conference on Energy - April 25-26, 2013

Hi Celeste,
Here are the following staff that will be attending:

1) Charlotte TerKeurst, Chief of Staff for Commissioner Mark Ferron
   (415) 703-3124, email: CFT@cpuc.ca.gov
   1 room and meal

2) Sara Kamins, Energy Advisor to Commissioner Mark Ferron
   (415) 703-1388, email: SMK@cpuc.ca.gov
   1 room and meal

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent:	Thursday, March 14, 2013 3:05 PM
To:	celeste@cfee.net
Subject:	FW: CFEE Roundtable Conference on Energy - April 25-26, 2013

Hi Celeste,
I have another person to include:

3) Charlyn Hook, Legal Advisor for Commissioner Mark Ferron
(415) 703-3050; email: CHH@cpuc.ca.gov
1 room and meal

Thank you,

Josie E

(415) 703-2531

From: Emelo, Josephine
Sent: Thursday, March 14, 2013 2:47 PM
To: 'celeste@cfee.net'
Subject: CFEE Roundtable Conference on Energy - April 25-26, 2013

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(415) 703-3124, email: CFT@cpuc.ca.gov
1 room and meal

2) Sara Kamins, Energy Advisor to Commissioner Mark Ferron
(415) 703-1388, email: SMK@cpuc.ca.gov
1 room and meal

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From: Celeste Cremen <celeste@cfee.net>
Sent: Friday, March 15, 2013 9:03 AM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject: Re: CFEE Roundtable Conference on Energy - April 25-26, 2013

Hi Josie,

Got it! We will be sending them invites hopefully today.

Best,
Celeste

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> I have another person to include:
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>
> *Senior Legal Typist*
> *Office of Commissioner Mark J. Ferron*

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Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Friday, March 15, 2013 2:35 PM
To: 'Celeste Cremen' <celeste@cfee.net>
Subject: RE: CFEE Roundtable Conference on Energy - April 25-26, 2013

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Josie E
(415) 703-2531

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From: Clay.G.Nesler@jci.com
Sent: Saturday, March 16, 2013 5:22 AM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Cc: 'Beth Vaughan' <beth@beth411.com>; 'Pat Mason' <pat@cfee.net>
Subject: Re: Introduction between Clay Nessler Johnson Controls and the CA Foundation on Environment / Economy

---

Thanks, Jean.

Beth/Pat, I look forward to talking.

- Clay

Clay Nesler
Vice President, Global Energy & Sustainability
Building Efficiency
Office: 414-524-4374
Mobile: 414-702-4374
E-Mail: clay.g.nesler@jci.com

Johnson Controls
507 E. Michigan Street
P.O. Box 423
Milwaukee, WI 53202

Visit the Institute for Building Efficiency at: www.InstituteBE.com

From: "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov>
To: "'clay.g.nesler@jci.com'" <clay.g.nesler@jci.com>
Cc: 'Pat Mason' <pat@cfee.net>, 'Beth Vaughan' <beth@beth411.com>
Date: 03/14/2013 04:45 PM
Subject: Introduction between Clay Nessler Johnson Controls and the CA Foundation on Environment / Economy

---

Clay -- First, thanks again for your participation last October in the Governor's Office Energy Efficiency "Big Think" forum.
I am writing to make an introduction for you to some folks at "CFEE" who organize forums with lucrative audiences. (:>) I've pitched the idea of your being invited to represent the EE services delivery business point of view at the upcoming "Energy 101" 2-day forum. This particular forum is targeted at orienting the State's new group of legislators (Assembly and Senate) to energy issues likely to make their way into California's legislative chambers. However, there will be many heavy hitters also attending from CA legislature, utilities, energy agencies, and advocates.

For your information, CFEE is a small non-profit organization that specializes in education, cross-organization communication, and travel-study forums to increase knowledge of technical and policy issues facing regulated industries in California. The CFEE web site can be found at: http://www.cfee.net/

Specifically, there is a session the first day of their upcoming conference, on April 25-26, on which I think your perspective could be extremely valuable. I have suggested you be one of the invited discussants, and specifically to represent the view of the EE services industry. Pat Mason and Beth Vaughn of CFEE would like to talk directly

to you about this possibility. I just want to offer you a few words of context and introduction by this e-mail. I expect Beth or Pat will be in touch shortly.

best regards,
Jeanne
Jeanne Clinton
Special Advisor for Energy Efficiency
Calif. PUC, Room 5221, San Francisco
Tel: 415/ 703-1159
e-mail: cln@cpuc.ca.gov or
jeanne.clinton@cpuc.ca.gov

The session is:

2:45 pm □ 4:00 pm□SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response

What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, *Commissioner*, California Energy Commission
Mark Ferron, *Commissioner,* California Public Utilities Commission

Discussant Panel (approx 4 or so)

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Thursday, March 14, 2013 11:25 AM
To: Clinton, Jeanne
Cc: 'Pat Mason'
Subject: Introduction to Johnson Controls contact

Hi Jeanne,

You mentioned Johnson Controls as being an interesting participant for the CFEE conference and the energy efficiency panel. I think you said Clay Nessler, VP Global Energy and Sustainability is a good speaker. Could you send me his contact information and maybe do an introductory email for us? Pat and I would like to set up a conference call with him to talk about the roundtable.

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message,

or the taking of any action based on it, is strictly prohibited.

From: Celeste Cremen <celeste@cfee.net>
Sent: Saturday, March 16, 2013 11:36 AM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject: Re: CFEE Roundtable Conference on Energy - April 25-26, 2013

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From:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent:	Monday, March 18, 2013 9:26 AM
To:	'Celeste Cremen' <celeste@cfee.net>
Subject:	RE: CFEE Roundtable Conference on Energy - April 25-26, 2013

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Hi,

You will get a packet of materials about 10 days before the conference.

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From: Roble, Elaine <elaine.roble@cpuc.ca.gov>
Sent: Monday, March 25, 2013 10:48 AM
To: 'celeste@cfee.net'
Subject: FW: CFEE Energy Conference -April 25-26, 2013

Good Morning Celeste,

My name is Elaine Roble and I'm assisting my Program Manager, Chloe Lukins, with this matter. Can you please forward an invitation, registration information, as well as an invoice for this event to me so that I can process the paperwork? Thank you!

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Mendoza, Rosemary
Sent: Tuesday, March 12, 2013 1:53 PM
To: Celeste Cremen
Cc: Lukins, Chloe; Roble, Elaine; Serizawa, Linda
Subject: CFEE Energy Conference -April 25-26, 2013

Hello Celeste:

At your request, this is a follow up email to our conversation of this afternoon. DRA would like to have Chloe Lukins, our Program Manager, with the Electricity Planning & Policy Branch of the Division of Ratepayer Advocates attend the CFEE Energy Roundtable Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa, California as observer.

Please send your invitation and registration information to Ms. Lukins at chloe.lukins@cpuc.ca.gov

Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent:	Tuesday, March 26, 2013 2:36 PM
To:	Celeste Cremen <celeste@cfee.net>
Cc:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Subject:	RE: CFEE Roundtable Conference on Energy, April 25, 26 in Napa, Ca

Hello Celeste,

Please cancel Sepideh's reservation for this roundtable, as she has had an unanticipated schedule conflict. Commissioner Florio and our two advisors, Matthew Tisdale and Marcelo Poirier, will, however, attend.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Sent: Wednesday, March 27, 2013 4:07 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: CFEE Energy Conference (exact time TBD)
Attach: Untitled Attachment

When: Thursday, April 25, 2013 9:00 AM-9:00 PM. (UTC-08:00) Pacific Time (US & Canada)
Where: Silverado Conference Center, Napa, California

~~*~*~*~*~*~*~*~*~*

BNK 3/6/13

DRAFT AGENDA

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the

related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission *(5-7 min)*
Bob Weisenmiller, Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities,
Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation

Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 5:16 PM
To: Ferron, Mark J.; TerKeurst, Charlotte; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: RE: CFEE Energy Conference - invitation to speak

Mark
I spoke with both Beth Vaughn (who's putting together the agenda for CFEE) and with Florio's/Peevey's office, and I

think that we are all set. I think that you will go on day 1 and Florio will join for the dinner that night be there for day 2. Peevey will be there for both days. I tried to see if there was a way to have you be there for both days, but alas Peevey said that he was going to do both days.

Regarding advisors, I think that easily 1 can go with and there shouldn't be a problem with more than 1, if desired.

Juliane – the date of day one is 4/25 so we should block that off now.

Thanks!
Michael

From: Ferron, Mark J.
Sent: Tuesday, March 05, 2013 11:58 AM
To: TerKeurst, Charlotte; Colvin, Michael; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: Fwd: CFEE Energy Conference - invitation to speak
Importance: High

Begin forwarded message:

From: "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference - invitation to speak
Date: March 1, 2013 5:04:04 PM PST
To: "Randolph, Edward F." <edward.randolph@cpuc.ca.gov>, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

what do you guys think about who is right person from CPUC to speak at this forum? I'm certainly willing to do, but of late ED has been the visible voice on this in Sacramento. On the other hand, Andrew is at Commissioner level -- do we want to match that?

Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

From:	Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent:	Saturday, March 30, 2013 9:16 PM
To:	Meta Winn <Meta@cfee.net>
Cc:	Celeste Cremen <celeste@cfee.net>; Lo, Doris <doris.lo@cpuc.ca.gov>
Subject:	RE: CFEE Invitation to Energy Conference/Randolph

Celeste, I hope you had a good flight home. Per our conversation I am confirming that I will be attending the conference. For this particular conference I would like to be at the table and not an observer (which seems to make sense anyway since I will be taking Nancy's place.

From: Meta Winn [Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:37 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Celeste Cremen <celeste@cfee.net>
Sent:	Tuesday, April 2, 2013 11:45 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject:	Re: CFEE Roundtable Conference on Energy, April 25, 26 in Napa, Ca

Hi,

Got it. Thanks so much.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
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On Mar 26, 2013, at 2:35 PM, "Dahlgren, Joan" <joan.dahlgren@cpuc.ca.gov> wrote:

> Hello Celeste,
>
> Please cancel Sepideh's reservation for this roundtable, as she has had an unanticipated schedule conflict. Commissioner Florio and our two advisors, Matthew Tisdale and Marcelo Poirier, will, however, attend.
>
> Sincerely,
>
> **Joan Dahlgren**
> ***Administrative Assistant to***
> ***Commissioner Michel Florio***
> **California Public Utilities Commission**
> **505 Van Ness Avenue**
> **San Francisco, CA 94102**
> **(415) 703-1840**
> *jbd@cpuc.ca.gov*

From: Celeste Cremen <celeste@cfee.net>
Sent: Tuesday, April 2, 2013 12:45 PM
To: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Subject: Re: CFEE Invitation to Energy Conference/Randolph

Hi,

Got it. You are at the table and confirmed.

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
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> Celeste, I hope you had a good flight home. Per our conversation I am confirming that I will be attending the conference. For this particular conference I would like to be at the table and not an observer (which seems to make sense anyway since I will be taking Nancy's place.
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> **From:** Meta Winn [Meta@cfee.net]
> **Sent:** Tuesday, March 05, 2013 1:37 PM
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> **Cc:** Celeste Cremen
> **Subject:** CFEE Invitation to Energy Conference/Randolph
>
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>
> Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.
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> Kindly contact Celeste Cremen if you have any questions at 415-788-0812.
>
> Sincerely,

Meta Winn
Executive Assistant

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From: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent: Tuesday, April 2, 2013 12:54 PM
To: Lo, Doris <doris.lo@cpuc.ca.gov>
Subject: FW: CFEE Invitation to Energy Conference/Randolph
Attach: Randolph, Ed.pdf; 020913 draft energy agenda.pdf; 030113 Energy Invitee List.pdf

Here is the info again. I will be going.

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:38 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 5, 2013

Mr. Edward Randolph
Director, Energy Division
California Public Utilities Commission
505 Van Ness Ave., Room 4004
San Francisco, CA 94102

Dear Mr. Randolph,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President
* *Michel Florio,* Commissioner
* *Nancy E. Ryan,* Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

From: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent: Tuesday, April 2, 2013 12:54 PM
To: Lo, Doris <doris.lo@cpuc.ca.gov>
Subject: FW: CFEE Invitation to Energy Conference/Randolph
Attach: Randolph, Ed.pdf; 020913 draft energy agenda.pdf; 030113 Energy Invitee List.pdf

Here is the info again. I will be going.

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

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Meta Winn
Executive Assistant

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

March 5, 2013

Mr. Edward Randolph
Director, Energy Division
California Public Utilities Commission
505 Van Ness Ave., Room 4004
San Francisco, CA 94102

Dear Mr. Randolph,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—TBD

12:00 pm-1:00 pm – Buffet Lunch – TBD

1:00 pm-1:15 pm – Welcome and Introduction

***Patrick F. Mason**, President, CFEE

1:15 pm-1:30 pm—SESSION 1: California Energy 101
A short video will provide basic information regarding California's energy sector and the production and delivery of power in the state.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers

1:30 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission *(5-7 min)*
***Bob Weisenmiller,** Chair, California Energy Commission *(5-7 min)*

Roundtable Discussion

2:30 pm-2:45 pm – Break

*presenter confirmed

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

4:00 pm - 5:30 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) Are there examples from outside the state that can inform our response? How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities, Office of the Governor

Responders:
Rep, Pacific Gas & Electric
Rep, MUNI
Rep, Enviro
Rep, Industry
Rep, CAISO

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—TBD

7:30 am - 8:30 am – Continental Breakfast – TBD

8:30 am - 10:00 am—SESSION 5: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What

*presenter confirmed

are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Stephen Berberich, President & CEO, California Independent System Operator
****Mike Florio***, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Rep, Southern California Edison

Roundtable Discussion

10:00 am - 10:15 am – Break

10:15 am - 11:45 am—SESSION 6: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting existing 2020-2050 greenhouse gas goals require electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Joe Ronan, Senior VP, Government and Regulatory Affairs, Calpine Corporation
Rep,

Roundtable Discussion

11:45 am - 1:00 pm—SESSION 7: Aligning Energy and Climate Policies
What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What results and trends are apparent from recent auctions and how might the revenue be used to further the goals of the state? What transformative changes are needed to meet 2050 climate change goals?

Mary Nichols, Chairman, Air Resources Board
Rep, Electricity producer
Rep, Manufacturer (EITE)
Rep, Manufacturer (non-EITE)
Rep, Enviro

Roundtable Discussion

1:00 pm – Adjourn

@ 2.9.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President
* *Michel Florio,* Commissioner
* *Nancy E. Ryan,* Deputy Executive Director of Policy

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

Ken Alex, Acting Director, Office of Planning and Research
Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Tom Berryhill

* Confirmed
List @ 3/1/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Anthony Cannella
Mark DeSaulnier
Bill Emmerson
* *Jean Fuller*
Ricardo Lara
Alex Padilla
* *Fran Pavley*
Mimi Walters
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

Raul Bocanegra
Susan A. Bonilla
* *Steven C. Bradford*
Joan Buchanan
Roger Dickinson
* *Susan Talamantes Eggman*
James Frazier
* *Mike Gatto*
Jeff Gorell
Adam Gray
Christopher Holden
Ben Hueso
Brian Maienschein
Melissa A. Melendez
Kristin Olsen
James Patterson
Henry Perea
* *Bill Quirk*
Sharon Quirk-Silva

* Confirmed
List @ 3/1/2013

* *Anthony Rendon*
Rudy Salas
Nancy Skinner
Donald Wagner
Das Williams

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
Sheldon Kimber, Chief Operating Officer, Recurrent Energy
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Liikala, International Representative, ACS Infrastructure Development
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Ronald Nichols, General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 3/1/2013

James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
Andrea Morrison, Director, Government & Regulatory Affairs, Direct Energy
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Confirmed
List @ 3/1/2013

LABOR

Robert L. Balgenorth, Chairman, California Construction Industry, Labor Management Trust
Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
Robert Hunter, President, State Building & Construction Trades Council of California
* *Mike Layton*, Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch*, Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Sepideh Khosrowjah, Chief of Staff, Office of Commissioner Michel Florio, C.P.U.C.
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Susan Wood*, Chief Executive Officer, SCC Americas

* Confirmed
List @ 3/1/2013

From: Lo, Doris <doris.lo@cpuc.ca.gov>
Sent: Tuesday, April 2, 2013 1:51 PM
To: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Subject: RE: CFEE Invitation to Energy Conference/Randolph

Ed,

I just checked your calendar and you are scheduled to be in Budget Hearings in Sacramento on April 25th and 26th.

Doris

From: Randolph, Edward F.
Sent: Tuesday, April 02, 2013 12:54 PM
To: Lo, Doris
Subject: FW: CFEE Invitation to Energy Conference/Randolph

Here is the info again. I will be going.

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:38 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent:	Tuesday, April 2, 2013 7:02 PM
To:	Celeste Cremen <celeste@cfee.net>
Subject:	RE: CFEE Invitation to Energy Conference/Randolph

Thanks.

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Tuesday, April 02, 2013 12:45 PM
To: Randolph, Edward F.
Subject: Re: CFEE Invitation to Energy Conference/Randolph

Hi,

Got it. You are at the table and confirmed.

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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On Mar 30, 2013, at 9:16 PM, "Randolph, Edward F." <edward.randolph@cpuc.ca.gov> wrote:

Celeste, I hope you had a good flight home. Per our conversation I am confirming that I will be attending the conference. For this particular conference I would like to be at the table and not an observer (which seems to make sense anyway since I will be taking Nancy's place.

From: Meta Winn [Meta@cfee.net]
Sent: Tuesday, March 05, 2013 1:37 PM
To: Randolph, Edward F.
Cc: Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Randolph

Dear Mr. Randolph,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Tuesday, April 2, 2013 8:05 PM
To:	Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Subject:	CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls
Attach:	CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

---

will leave hard copy of my signed form, & invoice, and authorization e-mail traffic.
Assume there must also be a check request form???
Am still looking for that.

Jeanne

State of California
California Public Utilities Commission
Training & Conference/Workshop Authorization Form
(Authorization purpose only)

State of California

Date	**4/2/2013**

Employee Information

Name:	**Jeanne Clinton**	Email:	cln@cpuc.ca.gov
Division:	**ADMIN SERVICES**	Branch:	**Executive Office**
Primary office location:	**San Francisco**	Phone number:	**703-1159**

Estimated Training & Conference Costs

Type of Expense	***Amount***
Tuition/ Registration Fee (if applicable): CFEE Conference April 25-26. see invoice attached	$350.00
Other (Books/Supplies): RT mileage NTE	$60.00
TOTAL estimated cost:	**$410.00**

Training Program Registration Information

Course/Event Title				In-Service ☐ Out-Service ☐	
Vendor				**Preferred Course Dates**	
Address				1st Choice	
City				2nd Choice	
State		Zip Code		3rd Choice	
Total number of training hours *(not including travel):*					

Training Type	**CPUC**	**Employee**	**Training Justification**
Job Required ☑	100%	- 0 -	**Job Required** training, please explain below how this training will help assure adequate performance in your current assignment.
Job Related ☐	100%	- 0 -	**Job Related** training, please explain below how this training will increase your job proficiency about the accepted level of competency established for your specific job assignment.
Upward Mobility ☐	80%	20%	**Upward Mobility** or **Career Related** training, please state below how this course will help your career development in State Service. (For Upward Mobility classifications attach your Individual Development Plan approved by your supervisor.)
Career Related ☐	50%	50%	

TRAINING JUSTIFICATION

Am invited resource person and observer for CFEE Rountable Conferne on Energy, effectively an "Energy 101" for new legislators. Day 1 panel includes focus on Energy Efficiency whree I will be resource to Commissioner Ferron for detailed questions and answers. Attendance cleared by Paul Clanon, Comr. Ferron's Office (Advisor Michael Colvin), and Governor's Office (Cliff Rechtschaffen). (See e-mail attached.)

AUTHORIZATION

Employee's Signature

BCO Signature Date

Supervisor Name (print)

Supervisor's Signature Date

BCO USE ONLY

Conference [| | | | -- 2 | 1 | 7 -- | | | | |]

Commission-wide Training [| | | | -- 3 | 3 | 2 -- | | | | |]

Division-wide Training [| | | |--| 3 3 2.9 9 |--| | | | |]

Unit # **Object #** **PCA #**

State of California
Rev. 08/2011

From: Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Sent: Wednesday, April 3, 2013 8:20 AM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject: RE: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

I will take care of the other forms.

From: Clinton, Jeanne
Sent: Tuesday, April 02, 2013 8:05 PM
To: Mendiola, Carolina
Subject: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

will leave hard copy of my signed form, & invoice, and authorization e-mail traffic.
Assume there must also be a check request form???
Am still looking for that.

Jeanne

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Wednesday, April 3, 2013 8:34 AM
To: Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Subject: Re: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

---

Thanks, though I did find one by on line search, so I filled that one out and included in packet.
Jeanne

From: Mendiola, Carolina
Sent: Wednesday, April 03, 2013 08:19 AM Pacific Standard Time
To: Clinton, Jeanne
Subject: RE: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

I will take care of the other forms.

From: Clinton, Jeanne
Sent: Tuesday, April 02, 2013 8:05 PM
To: Mendiola, Carolina
Subject: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

will leave hard copy of my signed form, & invoice, and authorization e-mail traffic.
Assume there must also be a check request form???
Am still looking for that.

Jeanne

From: Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Sent: Wednesday, April 3, 2013 8:58 AM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject: RE: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

---

There's a new form re training check and I need you to sign the travel form too.

From: Clinton, Jeanne
Sent: Wednesday, April 03, 2013 8:34 AM
To: Mendiola, Carolina
Subject: Re: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

Thanks, though I did find one by on line search, so I filled that one out and included in packet.
Jeanne

From: Mendiola, Carolina
Sent: Wednesday, April 03, 2013 08:19 AM Pacific Standard Time
To: Clinton, Jeanne
Subject: RE: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

I will take care of the other forms.

From: Clinton, Jeanne
Sent: Tuesday, April 02, 2013 8:05 PM
To: Mendiola, Carolina
Subject: CFEE_Conference_Travel&FeeAuthorization_April2013_Clinton.xls

will leave hard copy of my signed form, & invoice, and authorization e-mail traffic.
Assume there must also be a check request form???
Am still looking for that.

Jeanne

From: Celeste Cremen <celeste@cfee.net>
Sent: Friday, April 5, 2013 4:52 PM
To: Roble, Elaine <elaine.roble@cpuc.ca.gov>
Subject: Re: CFEE Energy Conference -April 25-26, 2013

Hi Elaine,

Thank you for your patience. I will get an invite out to her right away. We will also send you the updated agenda when it is complete. I will also give you a call to answer any questions you may have.

Thank you,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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On Mar 25, 2013, at 10:47 AM, "Roble, Elaine" <elaine.roble@cpuc.ca.gov> wrote:

> Good Morning Celeste,
>
> My name is Elaine Roble and I'm assisting my Program Manager, Chloe Lukins, with this matter. Can you please forward an invitation, registration information, as well as an invoice for this event to me so that I can process the paperwork? Thank you!
>
> **Management Services Technician**
> **Division of Ratepayer Advocates – Electricity Planning & Policy Branch**
> **California Public Utilities Commission**
> **505 Van Ness Avenue**
> **San Francisco, CA 94102**
> **Tel: (415) 703-1990 Fax: (415) 703-2905**
>
> ---
>
> **From:** Mendoza, Rosemary
> **Sent:** Tuesday, March 12, 2013 1:53 PM
> **To:** Celeste Cremen
> **Cc:** Lukins, Chloe; Roble, Elaine; Serizawa, Linda
> **Subject:** CFEE Energy Conference -April 25-26, 2013
>
> Hello Celeste:

At your request, this is a follow up email to our conversation of this afternoon. DRA would like to have Chloe Lukins, our Program Manager, with the Electricity Planning & Policy Branch of the Division of Ratepayer Advocates attend the CFEE Energy Roundtable Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa, California as observer.

Please send your invitation and registration information to Ms. Lukins at chloe.lukins@cpuc.ca.gov

Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From: Roble, Elaine <elaine.roble@cpuc.ca.gov>
Sent: Sunday, April 7, 2013 11:26 AM
To: Lukins, Chloe <chloe.lukins@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference -April 25-26, 2013

FYI

From: Celeste Cremen [celeste@cfee.net]
Sent: Friday, April 05, 2013 4:52 PM
To: Roble, Elaine
Subject: Re: CFEE Energy Conference -April 25-26, 2013

Hi Elaine,

Thank you for your patience. I will get an invite out to her right away. We will also send you the updated agenda when it is complete. I will also give you a call to answer any questions you may have.

Thank you,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net<http://www.cfee.net>

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On Mar 25, 2013, at 10:47 AM, "Roble, Elaine" <elaine.roble@cpuc.ca.gov<mailto:elaine.roble@cpuc.ca.gov>> wrote:

Good Morning Celeste,

My name is Elaine Roble and I□m assisting my Program Manager, Chloe Lukins, with this matter. Can you please forward an invitation, registration information, as well as an invoice for this event to me so that I can process the paperwork? Thank you!

Management Services Technician
Division of Ratepayer Advocates □ Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Mendoza, Rosemary
Sent: Tuesday, March 12, 2013 1:53 PM
To: Celeste Cremen
Cc: Lukins, Chloe; Roble, Elaine; Serizawa, Linda
Subject: CFEE Energy Conference -April 25-26, 2013

Hello Celeste:

At your request, this is a follow up email to our conversation of this afternoon. DRA would like to have Chloe Lukins, our Program Manager, with the Electricity Planning & Policy Branch of the Division of Ratepayer Advocates attend the CFEE Energy Roundtable Conference scheduled for Thursday, April 25 - 26, 2013 at Silverado Conference Center in Napa, California as observer.

Please send your invitation and registration information to Ms. Lukins at chloe.lukins@cpuc.ca.gov<mailto:chloe.lukins@cpuc.ca.gov>

Ms. Lukins telephone number is: 415-703-1637.

Thank you

Rosie Mendoza
415-703-5587

From: Celeste Cremen <celeste@cfee.net>
Sent: Monday, April 8, 2013 9:42 AM
To: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: CFEE Energy Conference - Chaset
Attach: particlist&agenda.pdf; Chaset.pdf

Dear Nicolas,

I understand from Beth Vaughan that you will be attending the CFEE Energy Conference but wanted to double check with you. Please advise if you will be in attendance and if you will be needing a reservation at the hotel at Silverado. I have included an updated agenda and invitee list, along with your original invite.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President (Day 1 & 2)
* *Mark Ferron,* Commissioner (Day 1 only)
* *Michel Florio,* Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
* *Andrew McAllister,* Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

  Ken Alex, Acting Director, Office of Planning and Research
* *Nicolas Chaset,* Governor's Special Advisor for DG, CHP and Energy Storage
  Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
  Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*

* Confirmed
List @ 4/5/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1706 www.cfee.net FAX 415 986 2227

* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Susan A. Bonilla*
* *Steven C. Bradford*
* *Joan Buchanan*
  Rocky Chávez
  Roger Dickinson
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
  Adam Gray
  Roger Hernández
  Christopher Holden
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
  Rudy Salas
  Nancy Skinner
  Donald Wagner
* *Scott T. Wilk*
* *Das Williams*

* Confirmed
List @ 4/5/2013

BUSINESS / INDUSTRY

* *K.C. Bishop,* Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd,* Transwest Express, LLC, Executive Vice President, Chief Executive Officer
James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort,* Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
John Hanula, Vice President, CH2M Hill
Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
* *Sheldon Kimber,* Chief Operating Officer, Recurrent Energy
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
Michael Likala, International Representative, ACS Infrastructure Development
* *Michael Mallonee,* Construction and Procurement Manager, Sener Engineering and Systems, Inc.
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
* *Clay Nesler,* VP, Global Energy & Sustainability, Johnson Controls, Inc.
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power

* Confirmed
List @ 4/5/2013

* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chilleml,* Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter,* Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney,* Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin,* Director, California Conference of Carpenters

* Confirmed
List @ 4/5/2013

* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades
Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason,* President
* *Beth E. Vaughan,* Policy Consultant
* *Celeste Cremen,* Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
* *Gregory Blue,* Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin,* Energy Advisor to Commissioner Ferron, California Public Utilities Commission
* *Dave Dockham,* Asst. General Manager, Power Management, Northern California Power Agency
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
Trent Hager, Chief of Staff, Office of Senator Cathleen Galgiani
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley,* Chief Consultant, CA State Assem Committee on Utilities & Commerce
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
Christina Nelson, Legislative Director, Office of Assembly Member James Patterson

* Confirmed
List @ 4/5/2013

Robert Oglesby, Executive Director, California Energy Commission
* *Roxane Perruso,* VP General Counsel, TransWest Express, LLC
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier,* Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph,* Director, Energy Division, C.P.U.C.
* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/5/2013

DRAFT AGENDA

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

**Patrick F. Mason,* President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

**Jan Smutny-Jones,* Executive Director, Independent Energy Producers
**Steve Berberich*, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

**Mike Peevey*, President, California Public Utilities Commission
**Bob Weisenmiller,* Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

**Andrew McAllister,* Commissioner, California Energy Commission
**Mark Ferron,* Commissioner, California Public Utilities Commission
**Ron Nichols,* General Manager, Los Angeles Department of Water and Power
**Sheryl Carter,* Co-Director Energy Program, Natural Resources Defense Council
**Clay Nesler,* Vice President, Global Energy & Sustainability, Johnson Controls

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

**Nick Chaset,* Governor's Special Advisor for DG, CHP and Energy Storage
Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
**Dan Skopec,* VP, Regulatory & Legislative Affairs, Sempra Energy Utilities
Tom Starrs, VP, Market Development and Policy, Sunpower

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

**Mary Nichols*, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

*presenter confirmed

*Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

*Mike Florio, Commissioner, California Public Utilities Commission
*John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

Michael Gianunzio, Director Legislative and Regulatory Affairs,
Sacramento Municipal Utilities District
Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot, Deputy Director, Office of Planning and Research
Tom Bottorff, Senior VP, Regulatory Relations, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.5.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

November 26, 2012

Mr. Nicolas Chaset
Special Advisor to the Governor for DG, CHP & Energy Storage
Office of the Governor
State Capitol
Sacramento, CA 95814

Dear Mr. Chaset,

I am writing to invite you to participate in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

The Foundation, a 501(c)(3) nonprofit organization, will sponsor your room and group meals. You will be responsible for incidental expenses and travel.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

Approved by Cliff

PFM/jl

Enclosure

cc: Gabriela Montano
Catherine Ohaegbu

From:	Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent:	Monday, April 8, 2013 10:50 AM
To:	Celeste Cremen <celeste@cfee.net>
Subject:	RE: CFEE Energy Conference - Chaset

Celeste
I will be needing a reservation at Silverado.
Thank you

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Monday, April 08, 2013 9:42 AM
To: Chaset, Nicolas L.
Subject: CFEE Energy Conference - Chaset

Dear Nicolas,

I understand from Beth Vaughan that you will be attending the CFEE Energy Conference but wanted to double check with you. Please advise if you will be in attendance and if you will be needing a reservation at the hotel at Silverado. I have included an updated agenda and invitee list, along with your original invite.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: Celeste Cremen <celeste@cfee.net>
Sent: Monday, April 8, 2013 11:04 AM
To: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: Re: CFEE Energy Conference - Chaset

Hi,

Will do and thank you for responding so quickly.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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On Apr 8, 2013, at 10:49 AM, "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov> wrote:

> Celeste
> I will be needing a reservation at Silverado.
> Thank you
>
> Nick Chaset
> Governor's Special Advisor for DG, CHP and Energy Storage
> California Public Utilities Commission
> e-mail: nicolas.chaset@cpuc.ca.gov
> mobile: 510 219 2121
>
> ---
>
> **From:** Celeste Cremen [mailto:celeste@cfee.net]
> **Sent:** Monday, April 08, 2013 9:42 AM
> **To:** Chaset, Nicolas L.
> **Subject:** CFEE Energy Conference - Chaset
>
> Dear Nicolas,
>
> I understand from Beth Vaughan that you will be attending the CFEE Energy Conference but wanted to double check with you. Please advise if you will be in attendance and if you will be needing a reservation at the hotel at Silverado. I have included an updated agenda and invitee list, along with your original invite.

Best,
Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
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From:	Meta Winn <Meta@cfee.net>
Sent:	Monday, April 8, 2013 3:40 PM
To:	chloe.lukins@cpuc.ca.gov
Cc:	Elaine.Roble@cpuc.ca.gov; Celeste Cremen <celeste@cfee.net>
Subject:	CFEE Invitation to Energy Conference/Lukins
Attach:	Lukins, Chloe.pdf; 4.7.13_DFT_NRG_Agenda.docx; 040813 Energy Part List.pdf

Dear Ms. Lukins,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

April 8, 2013

Ms. Chloe Lukins
Program Manager, Electricity Planning & Policy
California Public Utilities Commission
Division of Ratepayer Advocates
505 Van Ness Avenue
San Francisco, CA 94102

Dear Ms. Lukins,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcomeand Introduction – Silverado West Ballroom

***Patrick F. Mason**, President, CFEE

1:15 pm-2:00pm—SESSION 1: California Energy 101
How California's energy sector produces and deliverspower in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers
***SteveBerberich**,President &CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologicallyadvanced, and environmentally-sound.The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter.Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission
***Bob Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm –3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner,California Public Utilities Commission
Ron Nichols, General Manager,Los Angeles Department of Water and Power
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Clay Nesler,Vice President, Global Energy & Sustainability, Johnson Controls

Roundtable Discussion

3:30 pm-3:45pm– Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g.How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?)How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies?What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Dan Skopec, VP, Regulatory & Legislative Affairs, Sempra Energy Utilities
Tom Starrs, VP, Market Development and Policy, Sunpower

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am -8:30 am – ContinentalBreakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter confirmed

Bob Weisenmiller, Chair, California Energy Commission
****SteveBerberich***,President &CEO, California Independent System Operator

Roundtable Discussion

9:45 am -11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved?As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

****Mike Florio***, Commissioner, California Public Utilities Commission
****John Chillemi,*** Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am -11:15 am – Break

11:15 am -12:30pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStacio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders,Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot,Deputy Director, Office of Planning and Research
Tom Bottorff, Senior VP, Regulatory Relations, PG&E

Roundtable Discussion

12:30 pm –Closing Remarks

12:45 pm - Adjourn

@ 4.7.13

*presenter confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President (Day 1 & 2)
* *Mark Ferron,* Commissioner (Day 1 only)
* *Michel Florio,* Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
* *Andrew McAllister,* Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

* *Nicolas Chaset,* Governor's Special Advisor for DG, CHP and Energy Storage
* *Cliff Rechtschaffen,* Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines

* Confirmed
List @ 4/8/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Susan A. Bonilla*
* *Steven C. Bradford*
* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
  Adam Gray
* *Roger Hernández*
  Christopher Holden
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*
  Nancy Skinner
  Donald Wagner
* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop,* Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd,* Transwest Express, LLC, Executive Vice President, Chief Executive Officer

* Confirmed
List @ 4/8/2013

James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris*, Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy
* *Stephen J. Larson*, Executive Director, California Energy Systems for the 21st Century
Michael Liikala, International Representative, ACS Infrastructure Development
* *Michael Mallonee*, Construction and Procurement Manager, Sener Engineering and Systems, Inc.
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
* *Clay Nesler*, VP, Global Energy & Sustainability, Johnson Controls, Inc.
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff*, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill*, Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec*, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan*, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio*, General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols*, General Manager, Los Angeles Department of Water & Power
* *James H. Pope*, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

* *Ellie Booth*, Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi*, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond*, SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough*, Director, Government & Legislative Affairs, Calpine Corporation

* Confirmed
List @ 4/8/2013

* *Matt Handel*, Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
  Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones*, Executive Director, Independent Energy Producers Association
* *Thomas Starrs*, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

* *Adrienne Alvord*, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

* Confirmed
List @ 4/8/2013

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty*, Director, Regulatory Affairs, NRG Energy
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting
Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Jeanne Clinton*, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.*, Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin*, Energy Advisor to Commissioner Ferron, California Public Utilities Commission
* *Dave Dockham*, Asst. General Manager, Power Management, Northern California Power Agency
* *Karen Edson*, Vice President, External Affairs, California Independent System Operator
* *Davina Flemings*, Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman*, Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio*, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Julie Gill*, Director of Regulatory & Government Affairs, AES Southland
Trent Hager, Chief of Staff, Office of Senator Cathleen Galgiani
* *Charlyn Hook*, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins*, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley*, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *Marcie A. Milner*, Vice President, Regulatory Affairs, Shell Energy North America
Christina Nelson, Legislative Director, Office of Assembly Member James Patterson
Robert Oglesby, Executive Director, California Energy Commission
* *Roxane Perruso*, VP General Counsel, TransWest Express, LLC
* *Ryan Pierini*, Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier*, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph*, Director, Energy Division, C.P.U.C.
* *Matthew Schafer*, Vice President West Region, NextEra Energy Resources
* *Charlotte TerKeurst*, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.

* Confirmed
List @ 4/8/2013

* *Matthew Tisdale,* Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/8/2013

From: Roble, Elaine <elaine.roble@cpuc.ca.gov>
Sent: Tuesday, April 9, 2013 10:55 AM
To: 'Meta Winn' <Meta@cfee.net>; Lukins, Chloe <chloe.lukins@cpuc.ca.gov>
Cc: Celeste Cremen <celeste@cfee.net>
Subject: RE: CFEE Invitation to Energy Conference/Lukins

Good Morning Meta,

Can you also send me an invoice along with your tax id number on it? I'd greatly appreciate it! Thanks Meta!

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Monday, April 08, 2013 3:40 PM
To: Lukins, Chloe
Cc: Roble, Elaine; Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Lukins

Dear Ms. Lukins,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From:	Meta Winn <Meta@cfee.net>
Sent:	Tuesday, April 9, 2013 11:28 AM
To:	Emilie Chu <echu@cfee.net>; elaine.roble@cpuc.ca.gov
Subject:	FW: CFEE Invitation to Energy Conference/Lukins

Hi Elaine,

I have forwarded this email to Emilie Chu, CFEE's Controller. She will take care of your invoice and tax ID number.

Meta

From: "Roble, Elaine" <elaine.roble@cpuc.ca.gov>
Date: Tuesday, April 9, 2013 10:55 AM
To: Meta Winn <Meta@cfee.net>, "Lukins, Chloe" <chloe.lukins@cpuc.ca.gov>
Cc: Celeste Cremen <celeste@cfee.net>
Subject: RE: CFEE Invitation to Energy Conference/Lukins

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From: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent: Tuesday, April 9, 2013 11:34 AM
To: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc: TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject: FW: CFEE Energy conference call for Session 3 _ reply requested

---

Fyi…I advised them that you are vacation and can't be on the call that is likely to be scheduled for Friday.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, April 09, 2013 11:31 AM
To: Banks, Juliane
Subject: FW: CFEE Energy conference call for Session 3 _ reply requested
Importance: High

Will contact you again for a call next week when I know more about next week's schedule.
Thanks,
Joan

From: Joan Lynch <jlynch@cfee.net>
Date: Mon, 08 Apr 2013 13:13:56 -0700
Subject: CFEE Energy conference call for Session 3 _ reply requested

CFEE Energy Conference April 25-26, 2013

Conference call for *Session 3: Pushing the Envelope on Energy Efficiency and Demand Response*

Expected participants:
Andrew McAllister
Mark Ferron
Ron Nichols
Sheryl Carter
Clay Nesler
Patrick Mason
Beth Vaughan

Please reply to this email with your availability this week:

Wed, the 10th, between 9 am and noon _____
between 4 pm and 5 pm _____

Thursday, the 11th, 9 am – 5 pm _____
Friday, the 12th, 9 am – 5 pm _____

These times are PST, and the call should be about 1/2 hour.
Will follow up with the dial-in as soon as call is confirmed.

Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Roble, Elaine <elaine.roble@cpuc.ca.gov>
Sent:	Tuesday, April 9, 2013 11:43 AM
To:	'Meta Winn' <Meta@cfee.net>
Subject:	RE: CFEE Invitation to Energy Conference/Lukins

Thank you very much Meta!

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Tuesday, April 09, 2013 11:28 AM
To: Emilie Chu; Roble, Elaine
Subject: FW: CFEE Invitation to Energy Conference/Lukins

Hi Elaine,

I have forwarded this email to Emilie Chu, CFEE's Controller. She will take care of your invoice and tax ID number.

Meta

From: "Roble, Elaine" <elaine.roble@cpuc.ca.gov>
Date: Tuesday, April 9, 2013 10:55 AM
To: Meta Winn <Meta@cfee.net>, "Lukins, Chloe" <chloe.lukins@cpuc.ca.gov>
Cc: Celeste Cremen <celeste@cfee.net>
Subject: RE: CFEE Invitation to Energy Conference/Lukins

Good Morning Meta,

Can you also send me an invoice along with your tax id number on it? I'd greatly appreciate it! Thanks Meta!

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Monday, April 08, 2013 3:40 PM
To: Lukins, Chloe
Cc: Roble, Elaine; Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Lukins

Dear Ms. Lukins,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
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From:	Beth Vaughan <beth@beth411.com>
Sent:	Wednesday, April 10, 2013 11:53 AM
To:	'Joan Lynch' <jlynch@cfee.net>; 'Zerrudo, Lourdes' <Lourdes.Zerrudo@ladwp.com>; 'Parrow, Donna@Energy' <Donna.Parrow@energy.ca.gov>; adina.kozuh@jci.com; 'Patrick Mason' <pat@cfee.net>; 'Nora Traughber' <nora@cfee.net>; Colvin, Michael <michael.colvin@cpuc.ca.gov>
Cc:	'Celeste Cremen' <celeste@cfee.net>; 'Meta Winn' <Meta@cfee.net>; 'Emilie Chu' <echu@cfee.net>
Subject:	RE: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

Michael Colvin will join the call on behalf of Commissioner Ferron.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, April 09, 2013 1:28 PM
To: Zerrudo, Lourdes; Parrow, Donna@Energy; adina.kozuh@jci.com; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: Celeste Cremen; Meta Winn; Emilie Chu
Subject: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

CFEE Energy Conference April 25-26, 2013

The conference call for the Session 3 panel is set for Friday, Apr 12, at 10:30 am.
Please allow about 1/2 hour.

Dial-in: 1-888-537-7715
Code: 76240133#

Participants
Andrew McAllister
Ron Nichols
Kevin Evans
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(Sheryl Carter and Mark Ferron not available this week.)

If you have any questions, please call our office at 415-788-1786.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 11:58 AM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject: CFEE 101 brainstorm

Hi there
I'm joining a call on Ferron's behalf on Friday morning at 10:30 to discuss topics for the CFEE 101. Perhaps you would like to join in? If not, maybe we could touch base later Friday afternoon.

Regarding the 4/24 meeting with Cliff, Mark agreed that we should reschedule it so that hopefully both of us can attend the PG&E event. Juliane will contact Cliff later on today to cancel/reschedule to a more generic check in.

Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 12:37 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: RE: CFEE 101 brainstorm

Yes I could join the 10:30 call to hear discussion, stay in background unless I can be helpful (will Andrew M be on same call?), and then discuss any follow-up implicatinos with you post-call.

Can you kindldy forward the call meeting invite?
Thanks,
Jeanne

From: Colvin, Michael
Sent: Wednesday, April 10, 2013 11:58 AM
To: Clinton, Jeanne
Subject: CFEE 101 brainstorm

Hi there
I'm joining a call on Ferron's behalf on Friday morning at 10:30 to discuss topics for the CFEE 101. Perhaps you would like to join in? If not, maybe we could touch base later Friday afternoon.

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Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Wednesday, April 10, 2013 12:39 PM
To:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject:	CFEE call
Attach:	Untitled Attachment

Michael Colvin will join the call on behalf of Commissioner Ferron.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, April 09, 2013 1:28 PM
To: Zerrudo, Lourdes; Parrow, Donna@Energy; adina.kozuh@jci.com; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: Celeste Cremen; Meta Winn; Emilie Chu
Subject: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

CFEE Energy Conference April 25-26, 2013

The conference call for the Session 3 panel is set for Friday, Apr 12, at 10:30 am.
Please allow about 1/2 hour.

Dial-in: 1-888-537-7715
Code: 76240133#

Participants
Andrew McAllister
Ron Nichols
Kevin Evans
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(Sheryl Carter and Mark Ferron not available this week.)

If you have any questions, please call our office at 415-788-1786.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
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www.cfee.net

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From: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 12:39 PM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject: RE: CFEE 101 brainstorm

Fantastic. Perhaps we can call from your office (your speaker phone is nicer than mine ;))

From: Clinton, Jeanne
Sent: Wednesday, April 10, 2013 12:37 PM
To: Colvin, Michael
Subject: RE: CFEE 101 brainstorm

Yes I could join the 10:30 call to hear discussion, stay in background unless I can be helpful (will Andrew M be on same call?), and then discuss any follow-up implicatinos with you post-call.

Can you kindldy forward the call meeting invite?
Thanks,
Jeanne

From: Colvin, Michael
Sent: Wednesday, April 10, 2013 11:58 AM
To: Clinton, Jeanne
Subject: CFEE 101 brainstorm

Hi there
I'm joining a call on Ferron's behalf on Friday morning at 10:30 to discuss topics for the CFEE 101. Perhaps you would like to join in? If not, maybe we could touch base later Friday afternoon.

Regarding the 4/24 meeting with Cliff, Mark agreed that we should reschedule it so that hopefully both of us can attend the PG&E event. Juliane will contact Cliff later on today to cancel/reschedule to a more generic check in.

Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Wednesday, April 10, 2013 12:43 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	RE: CFEE 101 brainstorm

Of course. (:>)

From: Colvin, Michael
Sent: Wednesday, April 10, 2013 12:39 PM
To: Clinton, Jeanne
Subject: RE: CFEE 101 brainstorm

Fantastic. Perhaps we can call from your office (your speaker phone is nicer than mine ;))

From: Clinton, Jeanne
Sent: Wednesday, April 10, 2013 12:37 PM
To: Colvin, Michael
Subject: RE: CFEE 101 brainstorm

Yes I could join the 10:30 call to hear discussion, stay in background unless I can be helpful (will Andrew M be on same call?), and then discuss any follow-up implicatinos with you post-call.

Can you kindldy forward the call meeting invite?
Thanks,
Jeanne

From: Colvin, Michael
Sent: Wednesday, April 10, 2013 11:58 AM
To: Clinton, Jeanne
Subject: CFEE 101 brainstorm

Hi there
I'm joining a call on Ferron's behalf on Friday morning at 10:30 to discuss topics for the CFEE 101. Perhaps you would like to join in? If not, maybe we could touch base later Friday afternoon.

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Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From: Emilie Chu <echu@cfee.net>
Sent: Wednesday, April 10, 2013 1:59 PM
To: Meta Winn <Meta@cfee.net>; elaine.roble@cpuc.ca.gov
Subject: Re: CFEE Invitation to Energy Conference/Lukins
Attach: Lukins, Chloe.pdf

Elaine,

Sorry for the delay. Here is the invoice you wanted. Please let me know if you have any questions. Original to follow by mail.

Emilie

--

Emilie Chu
Controller

California Foundation on the Environment and the Economy
Pier 35, Suite 202
San Francisco, CA 94133
(415) 788 1786 Main
(415) 986 2227 Fax

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From: Meta Winn <meta@cfee.net>
Date: Tue, 09 Apr 2013 11:27:59 -0700
To: Emilie Chu <echu@cfee.net>, <elaine.roble@cpuc.ca.gov>
Subject: FW: CFEE Invitation to Energy Conference/Lukins

Hi Elaine,

I have forwarded this email to Emilie Chu, CFEE's Controller. She will take care of your invoice and tax ID number.

Meta

From: "Roble, Elaine" <elaine.roble@cpuc.ca.gov>
Date: Tuesday, April 9, 2013 10:55 AM
To: Meta Winn <Meta@cfee.net>, "Lukins, Chloe" <chloe.lukins@cpuc.ca.gov>
Cc: Celeste Cremen <celeste@cfee.net>
Subject: RE: CFEE Invitation to Energy Conference/Lukins

Good Morning Meta,

Can you also send me an invoice along with your tax id number on it? I'd greatly appreciate it! Thanks Meta!

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Monday, April 08, 2013 3:40 PM
To: Lukins, Chloe
Cc: Roble, Elaine; Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Lukins

Dear Ms. Lukins,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

April 10, 2013

California Public Utilities Commission
Division of Ratepayer Advocates
505 Van Ness Avenue
San Francisco, CA 94102

Attn: Ms. Chloe Lukins
Program Manager, Electricity Planning & Policy

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Conference Fee $350

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Wednesday, April 10, 2013 3:56 PM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	FW: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

As an FYI, I'm joining this call to help prepare for the CFEE call on Friday morning with Jeanne Clinton in the background, and we will help pitch some outline ideas to you afterwards.

Michael

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Wednesday, April 10, 2013 11:53 AM
To: 'Joan Lynch'; 'Zerrudo, Lourdes'; 'Parrow, Donna@Energy'; adina.kozuh@jci.com; 'Patrick Mason'; 'Nora Traughber'; Colvin, Michael
Cc: 'Celeste Cremen'; 'Meta Winn'; 'Emilie Chu'
Subject: RE: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

Michael Colvin will join the call on behalf of Commissioner Ferron.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, April 09, 2013 1:28 PM
To: Zerrudo, Lourdes; Parrow, Donna@Energy; adina.kozuh@jci.com; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: Celeste Cremen; Meta Winn; Emilie Chu
Subject: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

CFEE Energy Conference April 25-26, 2013

The conference call for the Session 3 panel is set for Friday, Apr 12, at 10:30 am.
Please allow about 1/2 hour.

Dial-in: 1-888-537-7715
Code: 76240133#

Participants
Andrew McAllister
Ron Nichols
Kevin Evans
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(Sheryl Carter and Mark Ferron not available this week.)

If you have any questions, please call our office at 415-788-1786.
Thank you,

Joan Lynch

Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 4:13 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Cc: TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject: Re: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

---

Excellent. Thanks for keeping on top of this.

On Apr 10, 2013, at 12:55 PM, "Colvin, Michael" <michael.colvin@cpuc.ca.gov> wrote:

> As an FYI, I'm joining this call to help prepare for the CFEE call on Friday morning with Jeanne Clinton in the background, and we will help pitch some outline ideas to you afterwards.
>
> Michael
>
> ---
>
> **From:** Beth Vaughan [mailto:beth@beth411.com]
> **Sent:** Wednesday, April 10, 2013 11:53 AM
> **To:** 'Joan Lynch'; 'Zerrudo, Lourdes'; 'Parrow, Donna@Energy'; adina.kozuh@jci.com; 'Patrick Mason'; 'Nora Traughber'; Colvin, Michael
> **Cc:** 'Celeste Cremen'; 'Meta Winn'; 'Emilie Chu'
> **Subject:** RE: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am
>
> Michael Colvin will join the call on behalf of Commissioner Ferron.
>
> ---
>
> **From:** Joan Lynch [mailto:jlynch@cfee.net]
> **Sent:** Tuesday, April 09, 2013 1:28 PM
> **To:** Zerrudo, Lourdes; Parrow, Donna@Energy; adina.kozuh@jci.com; Beth Vaughan; Patrick Mason; Nora Traughber
> **Cc:** Celeste Cremen; Meta Winn; Emilie Chu
> **Subject:** CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am
>
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>
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>
> Participants
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> Ron Nichols
> Kevin Evans
> Patrick Mason
> Beth Vaughan
> Nora Traughber, CFEE Fellow
>
> (Sheryl Carter and Mark Ferron not available this week.)
>
> If you have any questions, please call our office at 415-788-1786.
> Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
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This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From:	Beth Vaughan <beth@beth411.com>
Sent:	Wednesday, April 10, 2013 4:42 PM
To:	Carol A. Brown <carol.brown@cpuc.ca.gov>
Cc:	Nancy Ryan (personal) <neryanmail@gmail.com>
Subject:	CFEE Energy Roundtable - April 25-26
Attach:	040313 Energy Part.pdf; 4.9.13_DFT_NRG_Agenda.docx

Hi Carol,

I was working on the CFEE energy agenda with Nancy Ryan, but since she's no longer at the CPUC I thought I'd contact you regarding the agenda and sessions we'd like President Peevey to participate on.

The objective of the conference is to educate the new legislators on the basics of energy policy in California, and explain the interdependencies between the complex issues. We thought the best way to discuss the issues was to frame the discussion around the loading order. In the first session I have Jan Smutny-Jones and Steve Berberich both showing short videos describing California's energy sector, and the challenges of operating and maintaining the grid. Nancy and I thought Peevey and Weisenmiller could provide a little history, to explain the evolution of energy policy post-energy crisis, and then the sessions walk thru the loading order.

McAllister and Ferron will lead off the Energy Efficiency session, followed by a panel focusing on Renewables and DG. Then on Friday, we'd like the "energy principals" to talk about aligning energy and climate policy – showing that there is a great deal of coordination between the agencies. Mary Nichols has the ARB Board meeting on Thursday but will arrive Thursday night for dinner – consequently this panel would kick off the Friday discussions. This will be followed by a session on the role of fossil fuel generation, how that is changing, and the inherent challenges. Finally, we'll look ahead at the goals for 2050 and discuss how the electricity industry can evolve to meet those goals.

I think Nancy spoke to Mike back in January about the conference and specifically having him speak on Thursday. I don't believe she had a chance to show him the updated agenda and talk to him about being on the Friday morning session.

Could you please show him the updated agenda and participant list? If he's okay participating on these two panels, I'd like to set up a call to discuss it with him and Pat Mason.

Thanks for checking, and I'd be happy to discuss this with you over the phone – just call my cell anytime.

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly prohibited.

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President (Day 1 & 2)
* *Mark Ferron,* Commissioner (Day 1 only)
* *Michel Florio,* Commissioner (Day 2 only)
* *Edward Randolph,* Director, Energy Division

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
* *Andrew McAllister,* Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

  Ken Alex, Acting Director, Office of Planning and Research
* *Nicolas Chaset,* Governor's Special Advisor for DG, CHP and Energy Storage
  Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
  Cliff Rechtschaffen, Senior Advisor to the Governor

* Confirmed
List @ 4/3/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
  Lois Wolk
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Susan A. Bonilla*
* *Steven C. Bradford*
* *Joan Buchanan*
  Rocky Chávez
  Roger Dickinson
* *Susan Talamantes Eggman*
* *Beth Gaines*
  Cristina Garcia
* *Mike Gatto*
  Adam Gray
  Roger Hernández
  Christopher Holden
* *Ben Hueso*
  Kevin Mullin
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
  Rudy Salas
  Nancy Skinner
  Donald Wagner

* Confirmed
List @ 4/3/2013

* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Transwest Express, LLC, Executive Vice President, Chief Executive Officer
  James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
  Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
  Johnnie Giles, Vice President, Government Affairs, Comcast Cable
  John Hanula, Vice President, CH2M Hill
  Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy
  Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
  Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Michael Mallonee*, Construction and Procurement Manager, Sener Engineering and Systems, Inc.
  Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
  William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
* *Clay Nesler,* VP, Global Energy & Sustainability, Johnson Controls, Inc.
  Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

* Confirmed
List @ 4/3/2013

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter,* Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

* Confirmed
List @ 4/3/2013

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney,* Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin,* Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason,* President
* *Beth E. Vaughan,* Policy Consultant
* *Celeste Cremen,* Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
* *Gregory Blue,* Regulatory & Government Affairs, GTB Consulting

Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.

* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin,* Energy Advisor to Commissioner Ferron, California Public Utilities Commission
* *Dave Dockham,* Asst. General Manager, Power Management, Northern California Power Agency
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.

Trent Hager, Chief of Staff, Office of Senator Cathleen Galgiani

* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Confirmed
List @ 4/3/2013

* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley*, Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
Christina Nelson, Legislative Director, Office of Assembly Member James Patterson
Robert Oglesby, Executive Director, California Energy Commission
* *Roxane Perruso,* VP General Counsel, TransWest Express, LLC
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier*, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus*, Chief of Staff, Office of Assembly Member Beth Gaines
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/3/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcomeand Introduction – Silverado West Ballroom

***Patrick F. Mason**, President, CFEE

1:15 pm-2:00pm—SESSION 1: California Energy 101
How California's energy sector produces and deliverspower in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers
***SteveBerberich**,President &CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologicallyadvanced, and environmentally-sound.The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter.Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission
***Bob Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm –3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner,California Public Utilities Commission
Ron Nichols, General Manager,Los Angeles Department of Water and Power
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Kevin Evans,Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm-3:45pm– Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g.How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?)How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies?What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Dan Skopec, VP, Regulatory & Legislative Affairs, Sempra Energy Utilities
Tom Starrs, VP, Market Development and Policy, Sunpower

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am -8:30 am – ContinentalBreakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter confirmed

Bob Weisenmiller, Chair, California Energy Commission
****SteveBerberich***,President &CEO, California Independent System Operator

Roundtable Discussion

9:45 am -11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved?As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

****Mike Florio***, Commissioner, California Public Utilities Commission
****John Chillemi,*** Senior Vice President and President, West Region, NRG
****Stuart Hemphill***, Senior VP, Power Supply, Southern California Edison
****Fong Wan***, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am -11:15 am – Break

11:15 am -12:30pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders,Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot,Deputy Director, Governor's Office of Planning and Research
Tom Bottorff, Senior VP, Regulatory Relations, PG&E

Roundtable Discussion

12:30 pm –Closing Remarks

12:45 pm - Adjourn

@ 4.9.13

*presenter confirmed

From:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent:	Wednesday, April 10, 2013 5:35 PM
To:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Subject:	FW: CFEE Energy Roundtable - April 25-26
Attach:	040313 Energy Part.pdf; 4.9.13_DFT_NRG_Agenda.docx

Don't know if you know about this or not – is April 25-26 in Napa. Are you going? If so, do you need remarks. If not, should I send regrets!

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Wednesday, April 10, 2013 4:42 PM
To: Brown, Carol A.
Cc: Nancy Ryan (personal)
Subject: CFEE Energy Roundtable - April 25-26

Hi Carol,

I was working on the CFEE energy agenda with Nancy Ryan, but since she's no longer at the CPUC I thought I'd contact you regarding the agenda and sessions we'd like President Peevey to participate on.

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Thanks for checking, and I'd be happy to discuss this with you over the phone – just call my cell anytime.

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

FEDERAL GOVERNMENT

* *Daniel Bernal,* District Director, Office of Congresswoman Nancy Pelosi

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey,* President (Day 1 & 2)
* *Mark Ferron,* Commissioner (Day 1 only)
* *Michel Florio,* Commissioner (Day 2 only)
* *Edward Randolph,* Director, Energy Division

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller,* Chair
* *Andrew McAllister,* Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols,* Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

  Ken Alex, Acting Director, Office of Planning and Research
* *Nicolas Chaset,* Governor's Special Advisor for DG, CHP and Energy Storage
  Michael Picker, Sr. Advisor to the Governor for Renewable Energy Facilities
  Cliff Rechtschaffen, Senior Advisor to the Governor

* Confirmed
List @ 4/3/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
  Lois Wolk
* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Susan A. Bonilla*
* *Steven C. Bradford*
* *Joan Buchanan*
  Rocky Chávez
  Roger Dickinson
* *Susan Talamantes Eggman*
* *Beth Gaines*
  Cristina Garcia
* *Mike Gatto*
  Adam Gray
  Roger Hernández
  Christopher Holden
* *Ben Hueso*
  Kevin Mullin
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
  Rudy Salas
  Nancy Skinner
  Donald Wagner

* Confirmed
List @ 4/3/2013

* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Transwest Express, LLC, Executive Vice President, Chief Executive Officer
  James Earp, Executive Director, California Alliance for Jobs
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
  Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
  Johnnie Giles, Vice President, Government Affairs, Comcast Cable
  John Hanula, Vice President, CH2M Hill
  Brian Jordan, Sr. Vice President, U.S. West Region-Water, AECOM
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy
  Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
  Susan Leal, Sr. Vice President, Chief Strategy Officer, Water, Americas, AECOM
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Michael Mallonee*, Construction and Procurement Manager, Sener Engineering and Systems, Inc.
  Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
  William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
* *Clay Nesler,* VP, Global Energy & Sustainability, Johnson Controls, Inc.
  Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

* Confirmed
List @ 4/3/2013

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Sean Beatty, Director, West Regulatory Affairs, GenOn Energy
* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter,* Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

* Confirmed
List @ 4/3/2013

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney,* Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin,* Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades
  Sid Stolper, Secretary Treasurer, Piping Industry Progress & Education Trust Fund

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason,* President
* *Beth E. Vaughan,* Policy Consultant
* *Celeste Cremen,* Conference Coordinator
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
* *Gregory Blue,* Regulatory & Government Affairs, GTB Consulting
  Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin,* Energy Advisor to Commissioner Ferron, California Public Utilities Commission
* *Dave Dockham,* Asst. General Manager, Power Management, Northern California Power Agency
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
  Trent Hager, Chief of Staff, Office of Senator Cathleen Galgiani
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Confirmed
List @ 4/3/2013

* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley*, Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
  Christina Nelson, Legislative Director, Office of Assembly Member James Patterson
  Robert Oglesby, Executive Director, California Energy Commission
* *Roxane Perruso,* VP General Counsel, TransWest Express, LLC
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier*, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Matthew Schafer,* Vice President West Region, NextEra Energy Resources
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
  Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus*, Chief of Staff, Office of Assembly Member Beth Gaines
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/3/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

***Patrick F. Mason**, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers
***Steve Berberich**, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission
***Bob Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the Distributed Generation policy goal fit with other state policies, e.g. electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Dan Skopec, VP, Regulatory & Legislative Affairs, Sempra Energy Utilities
Tom Starrs, VP, Market Development and Policy, Sunpower

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter confirmed

Bob Weisenmiller, Chair, California Energy Commission
****Steve Berberich***, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

****Mike Florio***, Commissioner, California Public Utilities Commission
****John Chillemi,*** Senior Vice President and President, West Region, NRG
****Stuart Hemphill***, Senior VP, Power Supply, Southern California Edison
****Fong Wan***, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot, Deputy Director, Governor's Office of Planning and Research
Tom Bottorff, Senior VP, Regulatory Relations, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.9.13

*presenter confirmed

From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 5:36 PM
To: Beth Vaughan <beth@beth411.com>
Subject: RE: CFEE Energy Roundtable - April 25-26

I am checking with President Peevey

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Wednesday, April 10, 2013 4:42 PM
To: Brown, Carol A.
Cc: Nancy Ryan (personal)
Subject: CFEE Energy Roundtable - April 25-26

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CFEE
(925) 408-5142 cell

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From:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent:	Wednesday, April 10, 2013 6:02 PM
To:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject:	RE: CFEE Energy Roundtable - April 25-26

I know. Its been on my calender for a few months. I am going and do not need any remarks.

From: Brown, Carol A.
Sent: Wednesday, April 10, 2013 5:35 PM
To: Peevey, Michael R.
Subject: FW: CFEE Energy Roundtable - April 25-26

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From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 6:08 PM
To: Beth Vaughan <beth@beth411.com>
Cc: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Subject: RE: CFEE Energy Roundtable - April 25-26

President Peevey just responded that it is on his calendar and he plans on attending – and he does not do "slide shows." So he will be there with the history in his head and happy to share!

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From: Beth Vaughan <beth@beth411.com>
Sent: Thursday, April 11, 2013 10:59 AM
To: 'Brown, Carol A.' <carol.brown@cpuc.ca.gov>
Cc: 'Gonzalez, Nuria' <nuria.gonzalez@cpuc.ca.gov>
Subject: RE: CFEE Energy Roundtable - April 25-26

Hi Carol – thanks for checking. We don't like slide shows either, so that's perfect. I just wanted to make sure he's okay being on the Friday morning session as well. Mary's office thought having the four of them talk about how they coordinate efforts is a good message to communicate to legislators.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 6:08 PM
To: Beth Vaughan
Cc: Gonzalez, Nuria
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From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Friday, April 12, 2013 9:10 AM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	RE: CFEE call - have you seen any outline or other info to guide the panel?

As background for the 10:30 call? – beyond the very drafty material from a month ago?

-----Original Appointment-----
From: Colvin, Michael
Sent: Wednesday, April 10, 2013 12:39 PM
To: Colvin, Michael; Clinton, Jeanne
Subject: CFEE call
When: Friday, April 12, 2013 10:30 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Dial-in: 1-888-537-7715; Code: 76240133# call from Jeanne's Office

Michael Colvin will join the call on behalf of Commissioner Ferron.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, April 09, 2013 1:28 PM
To: Zerrudo, Lourdes; Parrow, Donna@Energy; adina.kozuh@jci.com; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: Celeste Cremen; Meta Winn; Emilie Chu
Subject: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

CFEE Energy Conference April 25-26, 2013

The conference call for the Session 3 panel is set for Friday, Apr 12, at 10:30 am.
Please allow about 1/2 hour.

Dial-in: 1-888-537-7715
Code: 76240133#

Participants
Andrew McAllister
Ron Nichols
Kevin Evans
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(Sheryl Carter and Mark Ferron not available this week.)

If you have any questions, please call our office at 415-788-1786.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy

Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Beth Vaughan <beth@beth411.com>
Sent:	Friday, April 12, 2013 9:58 AM
To:	'Joan Lynch' <jlynch@cfee.net>; 'Zerrudo, Lourdes' <Lourdes.Zerrudo@ladwp.com>; 'Parrow, Donna@Energy' <Donna.Parrow@energy.ca.gov>; adina.kozuh@jci.com; 'Patrick Mason' <pat@cfee.net>; 'Nora Traughber' <nora@cfee.net>; Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	RE: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am
Attach:	041113 Energy Part List.pdf; 4.11.13_DFT_NRG_Agenda.docx

Latest agenda and participant list are attached.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Tuesday, April 09, 2013 1:28 PM
To: Zerrudo, Lourdes; Parrow, Donna@Energy; adina.kozuh@jci.com; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: Celeste Cremen; Meta Winn; Emilie Chu
Subject: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President (Day 1 & 2)
* *Mark Ferron*, Commissioner (Day 1 only)
* *Michel Florio*, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister*, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

* *Nicolas Chaset*, Governor's Special Advisor for DG, CHP and Energy Storage
* *Cliff Rechtschaffen*, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*

* Confirmed
List @ 4/11/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Steven C. Bradford*
* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
* *Roger Hernández*
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*
Donald Wagner
* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Transwest Express, LLC, Executive Vice President, Chief Executive Officer
James Earp, Executive Director, California Alliance for Jobs
* *Kevin Evans,* VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy

* Confirmed
List @ 4/11/2013

* *Michael Mallonee,* Construction and Procurement Manager, Sener Engineering and Systems, Inc.
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
* *Martin Daley,* Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

* Confirmed
List @ 4/11/2013

ENVIRONMENTAL

* *Adrienne Alvord*, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Emilie Chu*, Controller, C.F.E.E.
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty*, Director, Regulatory Affairs, NRG Energy
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting

Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.

* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin*, Energy Advisor to Commissioner Ferron, California Public Utilities Commission

* Confirmed
List @ 4/11/2013

* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
* *Kerry Hattevik,* Director of West Market Affairs, NextEra Energy Resources
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley,* Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Stephen J. Larson,* Executive Director, California Energy Systems for the 21st Century
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Chloe Lukins,* Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
* *James Metropulos,* Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *William Miller,* President, TransWest Express, LLC
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
  Christina Nelson, Legislative Director, Office of Assembly Member James Patterson
* *Robert Oglesby,* Executive Director, California Energy Commission
* Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier,* Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph,* Director, Energy Division, C.P.U.C.
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
* *Matthew Tisdale,* Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
* *Michael Wheeler,* Director of Policy Initiatives, Recurrent Energy
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/11/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcomeand Introduction – Silverado West Ballroom

***Patrick F. Mason**, President, CFEE

1:15 pm-2:00pm—SESSION 1: California Energy 101
How California's energy sector produces and deliverspower in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers
***SteveBerberich**,President &CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologicallyadvanced, and environmentally-sound.The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter.Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission
***Bob Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm –3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner,California Public Utilities Commission
Ron Nichols, General Manager,Los Angeles Department of Water and Power
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm-3:45pm– Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g.How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?)How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies?What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Jim Avery, SeniorVP, Power Supply, Sempra Energy Utilities
Tom Starrs, VP, Market Development and Policy, SunPower Corporation

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am -8:30 am – ContinentalBreakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter confirmed

Bob Weisenmiller, Chair, California Energy Commission
***SteveBerberich**,President &CEO, California Independent System Operator

Roundtable Discussion

9:45 am -11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved?As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

***Mike Florio**, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
***Stuart Hemphill**, Senior VP, Power Supply, Southern California Edison
***Fong Wan**, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am -11:15 am – Break

11:15 am -12:30pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

***John DiStasio**, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders,Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot,Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm –Closing Remarks

12:45 pm - Adjourn

@ 4.11.13

*presenter confirmed

From: Joan Lynch <jlynch@cfee.net>
Sent: Friday, April 12, 2013 1:18 PM
To: Joan Lynch <jlynch@cfee.net>
Subject: CFEE Energy Conf conf call _ reply requested

CFEE Energy Conference April 25-26

Conference call for *Session 4: Renewable Resources and Distributed Generation*

Please advise availability below for a 30-minute call with the panel for Session 4.

Mon, Apr 15 9 to 5 open _____
Tues, Apr 16 9-11 _____ or 3 –5 _____
Wed, Apr 17 9 to 5 open _____
Fri, Apr 19 10:30 to noon _____ or 3-5 _____

Expected participants
Nick Chaset
Laura Wisland
Jim Avery
Tom Starrs
Patrick Mason
Beth Vaughan

I will advise the time and dial-in as soon as I can.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent:	Friday, April 12, 2013 1:35 PM
To:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Cc:	Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
Subject:	FW: CFEE Energy Conf conf call _ reply requested

Hi Mike,
Am I correct in assuming Matthew should be included in this as well? I know April 16 is not god for either of you, and I'm assuming you're going to be out next Friday as well. That leaves either Monday, April 15 or the afternoon of April 17, although the day before Commissioner meeting and we already have you scheduled from 2:30-3:30…

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Friday, April 12, 2013 1:08 PM
To: Joan Lynch
Subject: CFEE Energy Conf conf call _ reply requested

CFEE Energy Conference April 25-26

Conference call for *Session 6: Role of Clean and Efficient Fossil Fuel Generation*

Please advise availability below for a 30-minute call with the panel for Session 6.

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Tues, Apr 16 9-11 _____ or 3 –5 _____
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Expected participants
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Fong Wan
Patrick Mason
Beth Vaughan

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From: Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent: Friday, April 12, 2013 2:48 PM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>; Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Cc: Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
Subject: RE: CFEE Energy Conf conf call _ reply requested

17th probably best. Light agenda and most prep already done. Monday pm is pretty full and would like to attend TCAP hearing am.

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Dahlgren, Joan" <joan.dahlgren@cpuc.ca.gov>
Date: 04/12/2013 1:35 PM (GMT-08:00)
To: "Florio, Michel Peter" <MichelPeter.Florio@cpuc.ca.gov>
Cc: "Tisdale, Matthew" <matthew.tisdale@cpuc.ca.gov>
Subject: FW: CFEE Energy Conf conf call _ reply requested

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To: Joan Lynch
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CFEE Energy Conference April 25-26

Conference call for *Session 6: Role of Clean and Efficient Fossil Fuel Generation*

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Fong Wan
Patrick Mason

Beth Vaughan

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From:	Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent:	Monday, April 15, 2013 10:19 AM
To:	Joan Lynch <jlynch@cfee.net>
Subject:	RE: CFEE Energy Conf conf call _ reply requested

Joan
I am available after 330 today and all day tomorrow

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Friday, April 12, 2013 1:18 PM
To: Joan Lynch
Subject: CFEE Energy Conf conf call _ reply requested

CFEE Energy Conference April 25-26

Conference call for *Session 4: Renewable Resources and Distributed Generation*

Please advise availability below for a 30-minute call with the panel for Session 4.

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From: Joan Lynch <jlynch@cfee.net>
Sent: Monday, April 15, 2013 10:50 AM
To: Joan Lynch <jlynch@cfee.net>
Subject: CFEE conf calls scheduled _ Session 4

We will have a call with Nick Chaset, Jim Avery, and Laura Wisland, tomorrow, Tues, the 16th, at 3:30 pm pst.
The call with Tom Starrs will be on Friday, the 19th, at 3:30 pm pst.

Please mark your calendars and I will send out the dial-in info shortly.

Joan Lynch
Office Administrator

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From: Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent: Monday, April 15, 2013 11:06 AM
To: Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
Subject: CFEE Energy Conference Call (MWT) Details to follow
Attach: Untitled Attachment

From: Joan Lynch <jlynch@cfee.net>
Sent: Monday, April 15, 2013 11:26 AM
To: Joan Lynch <jlynch@cfee.net>
Subject: CFEE conf call _ Session 6 scheduled

Please hold 4 pm PST, Wed, the 17th, for this conference call. Will send out dial-in info shortly.
Thank you,

Joan Lynch
Office Administrator

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From: Handel, Matt <Matt.Handel@nexteraenergy.com>
Sent: Monday, April 15, 2013 11:46 AM
To: Nuria Gonzles (nur@cpuc.ca.gov)
Subject: April 26th- CFEE Conference

Nuria,
As I mentioned, following the CFEE conference at the Silverado resort next week I will be staying on in Napa and would be pleased to host Michael for golf at the resort that Friday afternoon April 26th. Let me know. Michael can also let me know if he thinks there are other golfers I should invite. I've attached a few links to the courses. Thanks.

http://www.silveradoresort.com/golf/course-fly-over.asp
http://www.silveradoresort.com/media/606767/north_course.pdf
http://www.silveradoresort.com/media/606770/south_course.pdf

From:	Joan Lynch <jlynch@cfee.net>
Sent:	Monday, April 15, 2013 12:38 PM
To:	Laura Wisland <lwisland@ucsusa.org>; Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>; javery@semprautilities.com; Tom Starrs <Thomas.Starrs@sunpowercorp.com>; Beth Vaughan <beth@beth411.com>; Patrick Mason <pat@cfee.net>; Nora Traughber <nora@cfee.net>
Cc:	Nuno, M. Rita <RNuno@semprautilities.com>; Meta Winn <Meta@cfee.net>; Celeste Cremen <celeste@cfee.net>; Emilie Chu <echu@cfee.net>
Subject:	CFEE Energy call_Session 4 _ dial-in info

Session 4: Renewable Resources & Distributed Generation

The first call is confirmed for tomorrow, **April 16, at 3:30 pm PST.** Please allow about 1/2 hour.

Dial in: 888-537-7715
Passcode: 76240133#

Participants
Nick Chaset
Laura Wisland
Jim Avery
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

The 2nd call is confirmed for **Friday, the 19th, at 3:30 pm.**

Participants
Tom Starrs
Patrick Mason
Beth Vaughan
NoraTraughber

Please call our office if you have any questions.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Joan Lynch <jlynch@cfee.net>
Sent:	Monday, April 15, 2013 12:58 PM
To:	joan.dahlgren@cpuc.ca.gov; matthew.tisdale@cpuc.ca.gov; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; Wan, Fong <fxw1@pge.com>; Beth Vaughan <beth@beth411.com>; Patrick Mason <pat@cfee.net>; Nora Traughber <nora@cfee.net>
Cc:	jana.bergman@nrgenergy.com; May.Oshima@sce.com; terrie.kelley@sce.com; Jungerberg, Bonnie <BEJ3@pge.com>; S1R2@pge.com; Meta Winn <Meta@cfee.net>; Celeste Cremen <celeste@cfee.net>; Emilie Chu <echu@cfee.net>
Subject:	CFEE Energy call_Session 6_dial-in info

Session 6: Role of Clean and Efficient Fossil Fuel Generation

The call is confirmed for **Wednesday, Apr 17th, at 4 pm PST.** Please allow about 1/2 hour.

Dial in: 888-537-7715
Passcode: 76240133#

Participants
Mike Florio
Matthew Tisdale
John Chillemi (traveling, not confirmed)
Stuart Hemphill
Fong Wan
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(If John Chillemi cannot join this call, we will schedule separately.)

Please call our office if you have any questions.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
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From: Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent: Monday, April 15, 2013 1:11 PM
To: Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
Subject: CFEE Energy Conference Call (MWT) Details to follow--PLEASE SEE ATTACNMENT BELOW
Attach: Untitled Attachment; CFEE Energy call_Session 6_dial-in info.msg

---

.

From: Joan Lynch [jlynch@cfee.net]
Sent: Monday, April 15, 2013 12:58 PM
To: Dahlgren, Joan; Tisdale, Matthew; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; Wan, Fong; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: jana.bergman@nrgenergy.com; May.Oshima@sce.com; terrie.kelley@sce.com; Jungerberg, Bonnie; S1R2@pge.com; Meta Winn; Celeste Cremen; Emilie Chu
Subject: CFEE Energy call_Session 6_dial-in info

Session 6: Role of Clean and Efficient Fossil Fuel Generation

The call is confirmed for **Wednesday, Apr 17th, at 4 pm PST.** Please allow about 1/2 hour.

Dial in: 888-537-7715
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Participants
Mike Florio
Matthew Tisdale
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Stuart Hemphill
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(If John Chillemi cannot join this call, we will schedule separately.)

Please call our office if you have any questions.
Thank you,

Joan Lynch
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From:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Sent:	Monday, April 15, 2013 1:11 PM
To:	Joan Lynch <jlynch@cfee.net>
Subject:	RE: CFEE Energy call_Session 6_dial-in info

Thanks, Joan!

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Monday, April 15, 2013 12:58 PM
To: Dahlgren, Joan; Tisdale, Matthew; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; Wan, Fong; Beth Vaughan; Patrick Mason; Nora Traughber
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Session 6: Role of Clean and Efficient Fossil Fuel Generation

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(If John Chillemi cannot join this call, we will schedule separately.)

Please call our office if you have any questions.
Thank you,

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From:	Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Sent:	Monday, April 15, 2013 2:10 PM
To:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Subject:	FW: April 26th- CFEE Conference

Commissioner,
Mr. Handel would like to invite you for golf at the resort on Friday, April 26. Please see e-mail below.

From: Handel, Matt [mailto:Matt.Handel@nexteraenergy.com]
Sent: Monday, April 15, 2013 11:46 AM
To: Gonzalez, Nuria
Subject: April 26th- CFEE Conference

Nuria,
As I mentioned, following the CFEE conference at the Silverado resort next week I will be staying on in Napa and would be pleased to host Michael for golf at the resort that Friday afternoon April 26th. Let me know. Michael can also let me know if he thinks there are other golfers I should invite. I've attached a few links to the courses. Thanks.

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Matthew S. Handel
NextEraEnergy Resources, LLC
Vice President

(561) 304-6040 Work
(561) 373-7862 Mobile
matt.handel@nexteraenergy.com
700 Universe Boulevard
Juno Beach, FL 33408-2683

From:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent:	Monday, April 15, 2013 2:26 PM
To:	Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Subject:	RE: April 26th- CFEE Conference

I cannot do. Tell him I have to leave immediately when the conference ends. Suggest he ask Pat Mason and that Pat can suggest other golfers.

From: Gonzalez, Nuria
Sent: Monday, April 15, 2013 2:10 PM
To: Peevey, Michael R.
Subject: FW: April 26th- CFEE Conference

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Mr. Handel would like to invite you for golf at the resort on Friday, April 26. Please see e-mail below.

From: Handel, Matt [mailto:Matt.Handel@nexteraenergy.com]
Sent: Monday, April 15, 2013 11:46 AM
To: Gonzalez, Nuria
Subject: April 26th- CFEE Conference

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Vice President

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(561) 373-7862 Mobile
matt.handel@nexteraenergy.com
700 Universe Boulevard
Juno Beach, FL 33408-2683

From:	Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Sent:	Monday, April 15, 2013 2:35 PM
To:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Subject:	RE: April 26th- CFEE Conference

Ok, will let him know. Thanks!

From: Peevey, Michael R.
Sent: Monday, April 15, 2013 2:26 PM
To: Gonzalez, Nuria
Subject: RE: April 26th- CFEE Conference

I cannot do. Tell him I have to leave immediately when the conference ends. Suggest he ask Pat Mason and that Pat can suggest other golfers.

From: Gonzalez, Nuria
Sent: Monday, April 15, 2013 2:10 PM
To: Peevey, Michael R.
Subject: FW: April 26th- CFEE Conference

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From: Handel, Matt [mailto:Matt.Handel@nexteraenergy.com]
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To: Gonzalez, Nuria
Subject: April 26th- CFEE Conference

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(561) 373-7862 Mobile
matt.handel@nexteraenergy.com
700 Universe Boulevard
Juno Beach, FL 33408-2683

From: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Sent: Monday, April 15, 2013 3:48 PM
To: Handel, Matt <Matt.Handel@nexteraenergy.com>
Subject: RE: April 26th- CFEE Conference

Mr. Handel,
Unfortunately, President Peevey is not available. He will leave immediately when the conference ends. He suggested to ask Pat Mason, and Pat can suggest other golfers.

Regards,

Nuria

From: Handel, Matt [mailto:Matt.Handel@nexteraenergy.com]
Sent: Monday, April 15, 2013 11:46 AM
To: Gonzalez, Nuria
Subject: April 26th- CFEE Conference

Nuria,
As I mentioned, following the CFEE conference at the Silverado resort next week I will be staying on in Napa and would be pleased to host Michael for golf at the resort that Friday afternoon April 26th. Let me know. Michael can also let me know if he thinks there are other golfers I should invite. I've attached a few links to the courses. Thanks.

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Vice President

(561) 304-6040 Work
(561) 373-7862 Mobile
matt.handel@nexteraenergy.com
700 Universe Boulevard
Juno Beach, FL 33408-2683

From: Celeste Cremen <celeste@cfee.net>
Sent: Monday, April 15, 2013 4:00 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Cc: Josephine Emelo <josephine.emelo@cpuc.ca.gov>
Subject: Re: 4/25 Hotel Room

Hi,

No worries, consider it done. There will be a room for you under your name at Silverado.

Thanks ,
Celeste

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
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On Apr 15, 2013, at 3:46 PM, "Colvin, Michael" <michael.colvin@cpuc.ca.gov> wrote:

> Celeste
>
> If not too late, I would love to get a hotel room for the evening of 4/25. Please let me know what information you need. I'm CC'ing my admin, Josie Emelo to help.
>
> Thanks
> Michael
>
> Michael Colvin
> Energy Advisor to Commissioner Ferron
> California Public Utilities Commission
> (415) 355-5484
> michael.colvin@cpuc.ca.gov

From:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent:	Monday, April 15, 2013 6:57 PM
To:	Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Subject:	FW: CFEE Energy Roundtable - April 25-26

Is he all set?

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Thursday, April 11, 2013 10:59 AM
To: Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: RE: CFEE Energy Roundtable - April 25-26

Hi Carol – thanks for checking. We don't like slide shows either, so that's perfect. I just wanted to make sure he's okay being on the Friday morning session as well. Mary's office thought having the four of them talk about how they coordinate efforts is a good message to communicate to legislators.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 6:08 PM
To: Beth Vaughan
Cc: Gonzalez, Nuria
Subject: RE: CFEE Energy Roundtable - April 25-26

President Peevey just responded that it is on his calendar and he plans on attending – and he does not do "slide shows." So he will be there with the history in his head and happy to share!

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Wednesday, April 10, 2013 4:42 PM
To: Brown, Carol A.
Cc: Nancy Ryan (personal)
Subject: CFEE Energy Roundtable - April 25-26

Hi Carol,

I was working on the CFEE energy agenda with Nancy Ryan, but since she's no longer at the CPUC I thought I'd contact you regarding the agenda and sessions we'd like President Peevey to participate on.

The objective of the conference is to educate the new legislators on the basics of energy policy in California, and explain the interdependencies between the complex issues. We thought the best way to discuss the issues was to frame the discussion around the loading order. In the first session I have Jan Smutny-Jones and Steve Berberich both showing short videos describing California's energy sector, and the challenges of operating and maintaining the grid. Nancy and I thought Peevey and Weisenmiller could provide a little history, to explain the evolution of energy policy post-energy crisis, and then the sessions walk thru the loading order.

McAllister and Ferron will lead off the Energy Efficiency session, followed by a panel focusing on Renewables and DG. Then on Friday, we'd like the "energy principals" to talk about aligning energy and climate policy – showing that there is a great deal of coordination between the agencies. Mary Nichols has the ARB Board meeting on Thursday but will arrive Thursday night for dinner – consequently this panel would kick off the Friday discussions. This will be followed by a session on the role of fossil fuel generation, how that is changing, and the inherent challenges. Finally, we'll look ahead at the goals for 2050 and discuss how the electricity industry can evolve to meet those goals.

I think Nancy spoke to Mike back in January about the conference and specifically having him speak on Thursday. I don't believe she had a chance to show him the updated agenda and talk to him about being on the

Friday morning session.

Could you please show him the updated agenda and participant list? If he's okay participating on these two panels, I'd like to set up a call to discuss it with him and Pat Mason.

Thanks for checking, and I'd be happy to discuss this with you over the phone – just call my cell anytime.

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

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From:	Beth Vaughan <beth@beth411.com>
Sent:	Tuesday, April 16, 2013 2:31 PM
To:	'Joan Lynch' <jlynch@cfee.net>; 'Laura Wisland' <lwisland@ucsusa.org>; 'Chaset, Nicolas L.' <nicolas.chaset@cpuc.ca.gov>; javery@semprautilities.com; 'Tom Starrs' <Thomas.Starrs@sunpowercorp.com>; 'Patrick Mason' <pat@cfee.net>; 'Nora Traughber' <nora@cfee.net>
Cc:	'Nuno, M. Rita' <RNuno@semprautilities.com>; 'Meta Winn' <Meta@cfee.net>; 'Celeste Cremen' <celeste@cfee.net>; 'Emilie Chu' <echu@cfee.net>
Subject:	RE: CFEE Energy call_Session 4 _ dial-in info
Attach:	041113 Energy Part List.pdf; 4.11.13_DFT_NRG_Agenda.docx

Attached is the latest agenda and participant list, for your reference on the call today.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Monday, April 15, 2013 12:38 PM
To: Laura Wisland; Chaset, Nicolas L.; javery@semprautilities.com; Tom Starrs; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: Nuno, M. Rita; Meta Winn; Celeste Cremen; Emilie Chu
Subject: CFEE Energy call_Session 4 _ dial-in info

Session 4: Renewable Resources & Distributed Generation

The first call is confirmed for tomorrow, **April 16, at 3:30 pm PST.** Please allow about 1/2 hour.

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Participants
Nick Chaset
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The 2nd call is confirmed for **Friday, the 19th, at 3:30 pm.**

Participants
Tom Starrs
Patrick Mason
Beth Vaughan
NoraTraughber

Please call our office if you have any questions.
Thank you,

Joan Lynch

Office Administrator

California Foundation on the Environment and the Economy
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T: 415.788.1786
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President (Day 1 & 2)
* *Mark Ferron*, Commissioner (Day 1 only)
* *Michel Florio*, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister*, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

* *Nicolas Chaset*, Governor's Special Advisor for DG, CHP and Energy Storage
* *Cliff Rechtschaffen*, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*

* Confirmed
List @ 4/11/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Steven C. Bradford*
* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
* *Roger Hernández*
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*

Donald Wagner

* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Transwest Express, LLC, Executive Vice President, Chief Executive Officer

James Earp, Executive Director, California Alliance for Jobs

* *Kevin Evans,* VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton

Matt Futch, Global Policy Director, IBM Energy & Utilities Industry

Johnnie Giles, Vice President, Government Affairs, Comcast Cable

* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy

* Confirmed
List @ 4/11/2013

* *Michael Mallonee,* Construction and Procurement Manager, Sener Engineering and Systems, Inc.
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
* *Martin Daley,* Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

* Confirmed
List @ 4/11/2013

ENVIRONMENTAL

* *Adrienne Alvord*, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Emilie Chu*, Controller, C.F.E.E.
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty*, Director, Regulatory Affairs, NRG Energy
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting

Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.

* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin*, Energy Advisor to Commissioner Ferron, California Public Utilities Commission

* Confirmed
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* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
* *Kerry Hattevik,* Director of West Market Affairs, NextEra Energy Resources
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley,* Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Stephen J. Larson,* Executive Director, California Energy Systems for the 21st Century
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Chloe Lukins,* Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
* *James Metropulos,* Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *William Miller,* President, TransWest Express, LLC
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
  Christina Nelson, Legislative Director, Office of Assembly Member James Patterson
* *Robert Oglesby,* Executive Director, California Energy Commission
* Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier,* Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph,* Director, Energy Division, C.P.U.C.
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
* *Matthew Tisdale,* Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
* *Michael Wheeler,* Director of Policy Initiatives, Recurrent Energy
* *Susan Wood,* Chief Executive Officer, SCC Americas

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List @ 4/11/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th—Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcomeand Introduction – Silverado West Ballroom

***Patrick F. Mason**, President, CFEE

1:15 pm-2:00pm—SESSION 1: California Energy 101
How California's energy sector produces and deliverspower in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers
***SteveBerberich**,President &CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologicallyadvanced, and environmentally-sound.The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter.Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Mike Peevey**, President, California Public Utilities Commission
***Bob Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm –3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner,California Public Utilities Commission
Ron Nichols, General Manager,Los Angeles Department of Water and Power
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm-3:45pm– Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g.How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?)How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies?What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Jim Avery, SeniorVP, Power Supply, Sempra Energy Utilities
Tom Starrs, VP, Market Development and Policy, SunPower Corporation

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am -8:30 am – ContinentalBreakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter confirmed

Bob Weisenmiller, Chair, California Energy Commission
***SteveBerberich**,President &CEO, California Independent System Operator

Roundtable Discussion

9:45 am -11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved?As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

***Mike Florio**, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
***Stuart Hemphill**, Senior VP, Power Supply, Southern California Edison
***Fong Wan**, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am -11:15 am – Break

11:15 am -12:30pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

***John DiStasio**, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders,Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot,Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm –Closing Remarks

12:45 pm - Adjourn

@ 4.11.13

*presenter confirmed

From: Emilie Chu <echu@cfee.net>
Sent: Tuesday, April 16, 2013 2:56 PM
To: Celeste Cremen <celeste@cfee.net>; Brodrick Amy <amy.brodrick@cpuc.ca.gov>
Subject: Re: Registration Invoice.

Amy,

Our internet connection is down right now but know that these has gone out. I am sending this response to you with my phone and so cannot attach the invoices.

If you need PDFs, let me know. Hopefully by tomorrow our Internet will be back in business. Thanks!

Emilie
Controller
CFEE

Sent from my iPhone

On Apr 15, 2013, at 3:30 PM, Celeste Cremen <celeste@cfee.net> wrote:

> Please send. THX
>
> *Celeste*
>
> **Celeste Cremen**
> International Project Manager
> Conference Coordinator
>
> **California Foundation on the Environment and the Economy**
> Pier 35, Suite 202 | San Francisco, CA 94133
> T: 415.788.1786
> F: 415.986.2227
> www.cfee.net
>
> **This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.**
>
> Begin forwarded message:
>
> **From:** "Brodrick, Amy" <amy.brodrick@cpuc.ca.gov>
> **Subject: Registration Invoice.**
> **Date:** April 15, 2013 3:26:00 PM PDT
> **To:** "Celeste Cremen (celeste@cfee.net)" <celeste@cfee.net>
>
> Hi Celeste,
> Can you please send me an invoice for Matthew Tisdale and Marcelo Poirier. I would like to

process the forms for payment to our fiscal department.

For: Energy Roundtable Conference in Napa, CA
April 25, 2013

Thank you.

Amy Brodrick
Office of Commissioner Michel Florio
California Public Utilities Commission
Phone: (415) 703-2283
Email: ahb@cpuc.ca.gov

From: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Sent: Tuesday, April 16, 2013 3:01 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: CFEE agenda and attendees

Could you please send me the latest? Thanks

From: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent: Tuesday, April 16, 2013 4:36 PM
To: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc: TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject: CFEE info
Attach: 041113 Energy Part List.pdf; 4.11.13_DFT_NRG_Agenda.docx

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Participant list and agenda draft.

Michael

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, April 12, 2013 9:58 AM
To: 'Joan Lynch'; 'Zerrudo, Lourdes'; 'Parrow, Donna@Energy'; adina.kozuh@jci.com; 'Patrick Mason'; 'Nora Traughber'; Colvin, Michael
Subject: RE: CFEE conf call for Session 3 _ Fri, Apr 12, 10:30 am

Latest agenda and participant list are attached.

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President (Day 1 & 2)
* *Mark Ferron*, Commissioner (Day 1 only)
* *Michel Florio*, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister*, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

* *Nicolas Chaset*, Governor's Special Advisor for DG, CHP and Energy Storage
* *Cliff Rechtschaffen*, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*

* Confirmed
List @ 4/11/2013

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415 788 1786 www.cfee.net FAX 415 986 2227

* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Steven C. Bradford*
* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
* *Roger Hernández*
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*
Donald Wagner
* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Transwest Express, LLC, Executive Vice President, Chief Executive Officer
James Earp, Executive Director, California Alliance for Jobs
* *Kevin Evans,* VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
Johnnie Giles, Vice President, Government Affairs, Comcast Cable
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy

* Confirmed
List @ 4/11/2013

* *Michael Mallonee,* Construction and Procurement Manager, Sener Engineering and Systems, Inc.
Paul F. Miner, Corporate Government Affairs & Policy Leader, General Electric Company
William Mitchel, Senior Director, Partner Strategy & Business Development, Microsoft
Alex Papalexopoulos, President & Chief Executive Officer, Colorpower

INVESTOR-OWNED UTILITIES

* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
* *Martin Daley,* Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

* Confirmed
List @ 4/11/2013

ENVIRONMENTAL

* *Adrienne Alvord*, Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter*, Co-Director of the Energy Program, Natural Resources Defense Council
* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney*, Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin*, Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason*, President
* *Beth E. Vaughan*, Policy Consultant
* *Celeste Cremen*, Conference Coordinator
* *Emilie Chu*, Controller, C.F.E.E.
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber*, Fellow

OBSERVERS

* *Kevin Barker*, Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty*, Director, Regulatory Affairs, NRG Energy
* *Gregory Blue*, Regulatory & Government Affairs, GTB Consulting

Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.

* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
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Mike Peevey, President, California Public Utilities Commission

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Steve Berberich, President & CEO, California Independent System Operator

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Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
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Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.11.13

*presenter confirmed

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Tuesday, April 16, 2013 6:45 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: CFEE talking point ideas

Here are my notes from the Friday call. Sorry for the delay.

CFEE wants an "Energy 1" level set of remarks, not "Energy 101" and for sure not "Energy 201".

Mark will have 7-10 minutes max.
No slides, can have graphic or data handouts if necessary to convey the message.

Note: Mark will be preceded by Andrew M who will cover AB 758, CEC mission with codes & standards, and IEPR (including ZNE policy, Existing building stock and DR)

CPUC points I suggest mark try to cover:

1. CPUC jurisdiction is IOU only – about 70% of electric sales, 99% of gas deliveries (but less of gas commodity sales). Also water, some telco, rail safety, household moving vans, pink mustache private limos, … What is total annual revenue requirement for the electric and gas utilities we regulate?

2. Talk about how demand side relates to supply side. CPUC aim is to promote cost-effective DSM solutions, using utility ratepayer funds to buy "negawatts" when these are cheaper than new power plants or new energy resource contracts.

3. "A word about DR" – what is it, how mobilized (pricing versus incentive payment for participating).

4. Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

5. Any data to characterize how EE, DR, and DG contribute to (mostly electric) resource mix? (e.g. from some Procurement primer?) Similarly, how the 2008 AB 32 Scoping Plan looked at demand-side resources for GHG reduction (doubt the proportional roles will be covered by the Peevey/Weisenmiller panel. May be covered later in Mary Nichols' panel?)

6. Where the DSM $ come from: Perhaps talk about what % of electric and gas revenues go to support "public purpose programs" – EE, low income EE and low income CARE, DG, RPS, … Sound like small %, but in $ this amounts to …. (a big number)

7. Differentiate "ratepayer" $ vs. "Tax payer" $, and what the spending requirements are (prudent, cost-effective, best fit, competitive, …)

This may be as far as 7-10 minutes will take him. If time permits, introduce could try to introduce some Energy "101" issues:

- Talk about the 3 buckets of strategies we oversee – utility-implemented, third-party competitively bid programs (for competition), and local government and RENs.

- New themes emerging

a. RENs and possibility for more third-party competition
b. Financing as way to leverage private capital to get positive cash flow solutions without needing to tap ratepayer $ to pay higher and higher rebates and incentives (there is a limit!) and so as to keep rate $ support to reasonable level.
c. Aspects of DR – wholesale, retail, via controls, pricing, storage
d. Promises and opportunities of using smart data (maybe this belongs in a later panel)

From: Emilie Chu <echu@cfee.net>
Sent: Wednesday, April 17, 2013 9:57 AM
To: amy.brodrick@cpuc.ca.gov
Subject: CFEE Invoices
Attach: Tisdale, Matthew.pdf; Poirier, Marcelo.pdf

Internet back in business!

--

Emilie Chu
Controller

California Foundation on the Environment and the Economy
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San Francisco, CA 94133
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

April 16, 2013

California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Attn: Mr. Matthew Tisdale
Senior Energy Advisor to Commissioner Michel Florio

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Conference Fee $350

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

April 16, 2013

California Public Utilities Commission
505 Van Ness Avenue, Room 5025
San Francisco, CA 94102

Attn: Mr. Marcelo Poirier
Legal Advisor to Commissioner Michel Florio

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Conference Fee $350

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Wednesday, April 17, 2013 10:11 AM
To:	Baker, Simon <simon.baker@cpuc.ca.gov>; Skala, Pete <pete.skala@cpuc.ca.gov>; Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Subject:	FW: CFEE talking point ideas for Mark Ferron

This is FYI. Approach comes from coordination call last Friday with CFEE organizers and other panelists for the EE and DR panel – McAllister, Colvin, guy from Johnson Controls (not on call were Ron Nichols - LADWP GM, and Sheryl Carter- NRDC who also are on panel).

Jeanne

From: Clinton, Jeanne
Sent: Tuesday, April 16, 2013 6:45 PM
To: Colvin, Michael
Subject: CFEE talking point ideas

Here are my notes from the Friday call. Sorry for the delay.

CFEE wants an "Energy 1" level set of remarks, not "Energy 101" and for sure not "Energy 201".

Mark will have 7-10 minutes max. (to introduce basic ideas. Big roundtable discussion can unfold from into remarks the panelists tee up.)
No slides, can have graphic or data handouts if necessary to convey the message.

Note: Mark will be preceded by Andrew M who will cover AB 758, CEC mission with codes & standards, and IEPR (including ZNE policy, Existing building stock and DR)

CPUC points I suggest Mark try to cover:

1. CPUC jurisdiction is IOU only – about 70% of electric sales, 99% of gas deliveries (but less of gas commodity sales). Also water, some telco, rail safety, household moving vans, pink mustache private limos, … What is total annual revenue requirement for the electric and gas utilities we regulate?

2. Talk about how demand side relates to supply side. CPUC aim is to promote cost-effective DSM solutions, using utility ratepayer funds to buy "negawatts" when these are cheaper than new power plants or new energy resource contracts.

3. "A word about DR" – what is it, how mobilized (pricing versus incentive payment for participating).

4. Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

5. Any data to characterize how EE, DR, and DG contribute to (mostly electric) resource mix? (e.g. from some Procurement primer?) Similarly, how the 2008 AB 32 Scoping Plan looked at demand-side resources for GHG reduction (doubt the proportional roles will be covered by the Peevey/Weisenmiller panel. May be covered later in Mary Nichols' panel?)

6. Where the DSM $ come from: Perhaps talk about what % of electric and gas revenues go to support "public purpose programs" – EE, low income EE and low income CARE, DG, RPS, … Sound like small %, but in $ this amounts to …. (a big number)

7. Differentiate "ratepayer" $ vs. "Tax payer" $, and what the spending requirements are (prudent, cost-effective, best fit, competitive, …)

This may be as far as 7-10 minutes will take him. If time permits, introduce could try to introduce some Energy "101" issues:

- Talk about the 3 buckets of strategies we oversee – utility-implemented, third-party competitively bid programs (for competition), and local government and RENs.

- New themes emerging
    a. RENs and possibility for more third-party competition
    b. Financing as way to leverage private capital to get positive cash flow solutions without needing to tap ratepayer $ to pay higher and higher rebates and incentives (there is a limit!) and so as to keep rate $ support to reasonable level.
    c. Aspects of DR – wholesale, retail, via controls, pricing, storage
    d. Promises and opportunities of using smart data (maybe this belongs in a later panel)

From: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 10:28 AM
To: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject: RE: CFEE talking point ideas

Fantastic. I had a couple of thoughts also, and I'll try to merge the two together and send to Ferron today.
Michael

From: Clinton, Jeanne
Sent: Tuesday, April 16, 2013 6:45 PM
To: Colvin, Michael
Subject: CFEE talking point ideas

Here are my notes from the Friday call. Sorry for the delay.

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Note: Mark will be preceded by Andrew M who will cover AB 758, CEC mission with codes & standards, and IEPR (including ZNE policy, Existing building stock and DR)

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4. Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

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7. Differentiate "ratepayer" $ vs. "Tax payer" $, and what the spending requirements are (prudent, cost-

effective, best fit, competitive, …)

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    b. Financing as way to leverage private capital to get positive cash flow solutions without needing to tap ratepayer $ to pay higher and higher rebates and incentives (there is a limit!) and so as to keep rate $ support to reasonable level.
    c. Aspects of DR – wholesale, retail, via controls, pricing, storage
    d. Promises and opportunities of using smart data (maybe this belongs in a later panel)

From:	Nora Traughber <nora@cfee.net>
Sent:	Wednesday, April 17, 2013 10:42 AM
To:	bnk@cpuc.ca.gov
Subject:	CFEE Energy Conference Mailout
Attach:	Participants List.pdf; Draft Agenda.pdf; Energy Conference Memo.pdf; Silverado directions.pdf; Ferron.pdf

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Juliane,

Attached, please find Commissioner Ferron's digitized mailout. Sorry for the delay, we were without internet all day yesterday. Let me know if you need anything else.

Best,

Nora Traughber
Fellow

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
Mobile: 310.767.6252
Office: 415.788.1786
Fax: 415.986.2227
www.cfee.net

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President (Day 1 & 2)
* *Mark Ferron*, Commissioner (Day 1 only)
* *Michel Florio*, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister*, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

* *Nicolas Chaset*, Governor's Special Advisor for DG, CHP and Energy Storage
* *Cliff Rechtschaffen*, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*

* Confirmed
List @ 4/11/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Steven C. Bradford*
* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
* *Roger Hernández*
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*
* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Executive Vice President & Chief Executive Officer, Transwest Express
  James Earp, Executive Director, California Alliance for Jobs
* *Kevin Evans,* VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
  Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
  Johnnie Giles, Vice President, Government Affairs, Comcast Cable
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy
* *Michael Mallonee*, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

* Confirmed
List @ 4/11/2013

INVESTOR-OWNED UTILITIES

* *James P. Avery,* Senior Vice President - Power Supply, Sempra Energy Utilities
* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
* *Martin Daley,* Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland
  Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

* *Adrienne Alvord,* Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter,* Co-Director of the Energy Program, Natural Resources Defense Council

* Confirmed
List @ 4/11/2013

* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney,* Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin,* Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason,* President
* *Beth E. Vaughan,* Policy Consultant
* *Celeste Cremen,* Conference Coordinator
* *Emilie Chu,* Controller
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty,* Director, Regulatory Affairs, NRG Energy
* *Gregory Blue,* Regulatory & Government Affairs, GTB Consulting
  Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin,* Energy Advisor to Commissioner Ferron, C.P.U.C.
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.

* Confirmed
List @ 4/11/2013

* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
* *Kerry Hattevik,* Director of West Market Affairs, NextEra Energy Resources
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley,* Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Stephen J. Larson,* Executive Director, California Energy Systems for the 21st Century
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Chloe Lukins,* Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
* *James Metropulos,* Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *William Miller,* President, TransWest Express, LLC
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
* *Robert Oglesby,* Executive Director, California Energy Commission
* *Alan Padgett,* Vice President, Assest Management, GasCo, Dynegy Inc.
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier,* Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph,* Director, Energy Division, C.P.U.C.
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
* *Matthew Tisdale,* Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
* *Michael Wheeler,* Director of Policy Initiatives, Recurrent Energy
* *Laura Wisland,* Clean Energy Analyst, Union of Concerned Scientists
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/11/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th

12:00 pm - 1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm - 1:15 pm – Welcome and Introduction – Silverado West Ballroom

***Patrick F. Mason**, President, CFEE

1:15 pm - 2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers Assoc.
***Stephen Berberich**, President & CEO, California Independent System Operator

2:00 pm - 2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Michael Peevey**, President, California Public Utilities Commission
***Robert Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm - 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

***Andrew McAllister,** Commissioner, California Energy Commission
***Mark Ferron,** Commissioner, California Public Utilities Commission
***Ron Nichols,** General Manager, Los Angeles Department of Water and Power
***Sheryl Carter,** Co-Director Energy Program, Natural Resources Defense Council
***Kevin Evans,** Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm - 3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

***Nick Chaset**, Governor's Special Advisor for DG, CHP and Energy Storage
***Laura Wisland,** Senior Energy Analyst, Union of Concerned Scientists
***Jim Avery,** Senior VP, Power Supply, Sempra Energy Utilities
***Tom Starrs,** VP, Market Development and Policy, SunPower Corporation

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

***Mary Nichols**, Chairman, Air Resources Board
***Michael Peevey**, President, California Public Utilities Commission
***Robert Weisenmiller,** Chair, California Energy Commission
***Stephen Berberich**, President & CEO, California Independent System Operator

Roundtable Discussion

*presenter confirmed

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
****Fong Wan***, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot, Deputy Director, Governor's Office of Planning and Research
****Aaron Johnson,*** Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.11.13

*presenter confirmed

Patrick F. Mason, Ph. D.
President

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

April 11, 2013

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California**.

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

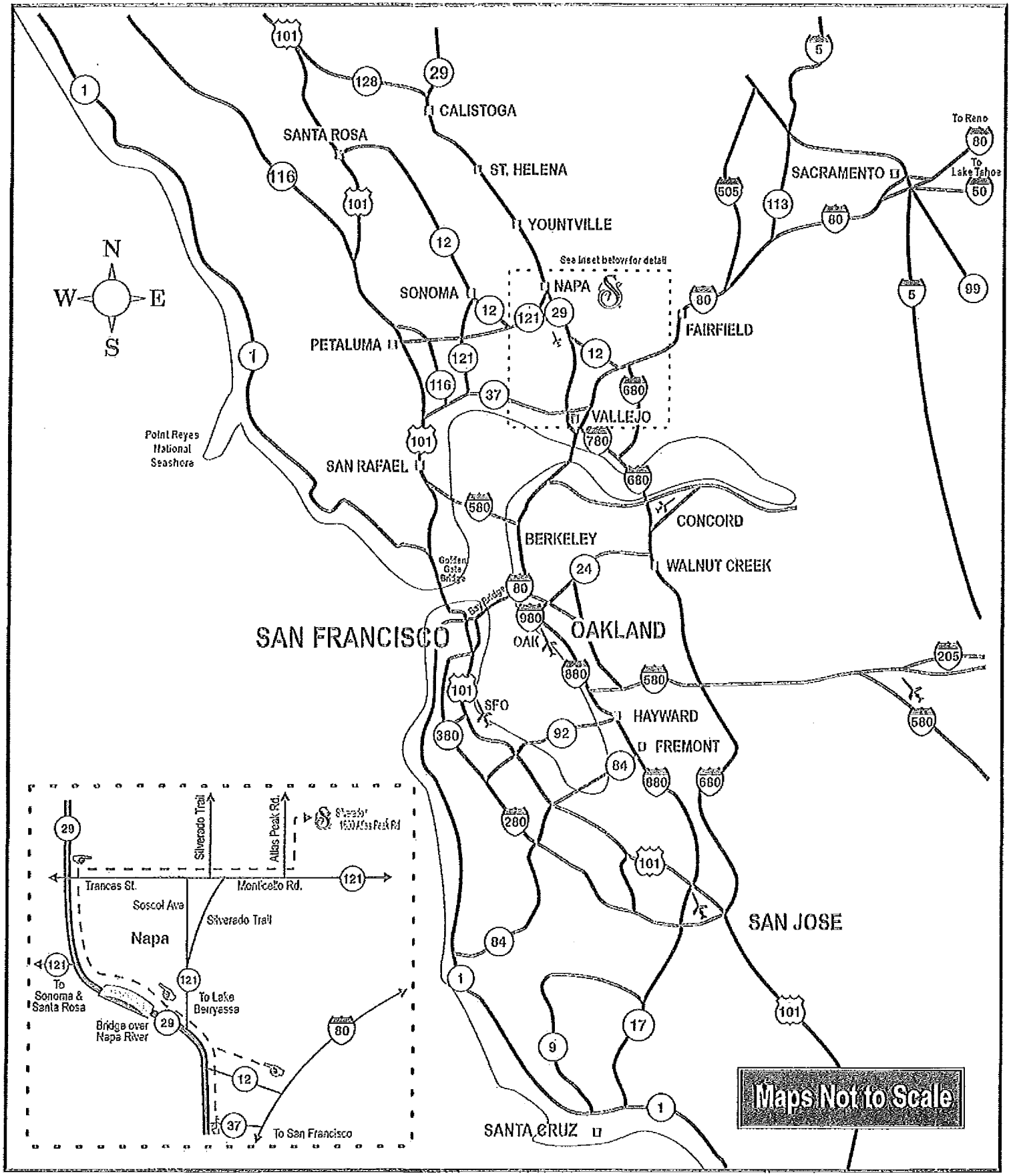
We look forward to seeing you in Napa.

PFM/mw
Enclosures

Note: Although we do not provide legal advice, it is our understanding that, as a non-profit organized under section 501(c)(3) of the Internal Revenue Code, CFEE can host your participation, which is not subject to the state gift limitation. However, the costs of your hotel accommodations and meals related to the conference are reportable. We will provide you with the reportable amount immediately following the event, which we currently estimate to be approximately $380.

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

CPUC02501

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road becomes Trancas Street
- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Mark J. Ferron**
TITLE: **Commissioner**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ____ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: 232301

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: Attending Day 1 Dinner only

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

From: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 11:06 AM
To: Nora Traughber <nora@cfee.net>
Subject: RE: CFEE Energy Conference Mailout

Thanks Nora!

From: Nora Traughber [mailto:nora@cfee.net]
Sent: Wednesday, April 17, 2013 10:42 AM
To: Banks, Juliane
Subject: CFEE Energy Conference Mailout

Juliane,

Attached, please find Commissioner Ferron's digitized mailout. Sorry for the delay, we were without internet all day yesterday. Let me know if you need anything else.

Best,

Nora Traughber
Fellow

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
Mobile: 310.767.6252
Office: 415.788.1786
Fax: 415.986.2227
www.cfee.net

From:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Wednesday, April 17, 2013 11:07 AM
To:	Ferron, Mark J. <Mark.Ferron@cpuc.ca.gov>
Cc:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	FW: CFEE Energy Conference Mailout
Attach:	Participants List.pdf; Draft Agenda.pdf; Energy Conference Memo.pdf; Silverado directions.pdf; Ferron.pdf

Fyi..

From: Nora Traughber [mailto:nora@cfee.net]
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

* *Michael R. Peevey*, President (Day 1 & 2)
* *Mark Ferron*, Commissioner (Day 1 only)
* *Michel Florio*, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

* *Robert Weisenmiller*, Chair
* *Andrew McAllister*, Commissioner

AIR RESOURCES BOARD

* *Mary D. Nichols*, Chairman
  Virgil Welch, Special Assistant

OFFICE OF THE GOVERNOR

* *Nicolas Chaset*, Governor's Special Advisor for DG, CHP and Energy Storage
* *Cliff Rechtschaffen*, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

* *Anthony Cannella*
* *Jean Fuller*
  Ted Gaines
* *Ricardo Lara*
* *Fran Pavley*
* *Lois Wolk*

* Confirmed
List @ 4/11/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

* *Roderick D. Wright*

CALIFORNIA STATE ASSEMBLY

* *Steven C. Bradford*
* *Joan Buchanan*
* *Rocky Chávez*
* *Susan Talamantes Eggman*
* *Beth Gaines*
* *Cristina Garcia*
* *Mike Gatto*
* *Roger Hernández*
* *Ben Hueso*
* *James Patterson*
* *Bill Quirk*
* *Anthony Rendon*
* *Rudy Salas*
* *Scott T. Wilk*
* *Das Williams*

BUSINESS / INDUSTRY

* *K.C. Bishop*, Senior Consultant, Calif. State Relations, Chevron Corporation
* *Beth A. Bowman,* Senior Vice President, Shell Energy North America
* *William Boyd*, Executive Vice President & Chief Executive Officer, Transwest Express
  James Earp, Executive Director, California Alliance for Jobs
* *Kevin Evans,* VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
* *Scott Farris,* Director, Government Relations, TransCanada Corporation
* *Jeffrey Fort*, Partner, SNR Denton
  Matt Futch, Global Policy Director, IBM Energy & Utilities Industry
  Johnnie Giles, Vice President, Government Affairs, Comcast Cable
* *Sheldon Kimber*, Chief Operating Officer, Recurrent Energy
* *Michael Mallonee*, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

* Confirmed
List @ 4/11/2013

INVESTOR-OWNED UTILITIES

* *James P. Avery,* Senior Vice President - Power Supply, Sempra Energy Utilities
* *Thomas E. Bottorff,* Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
* *Stuart R. Hemphill,* Senior VP, Power Supply, Southern California Edison
* *Fong Wan,* Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company

PUBLICLY-OWNED UTILITIES

* *John DiStasio,* General Manager & Chief Executive Officer, Sacramento Municipal Utility District
* *Ronald Nichols,* General Manager, Los Angeles Department of Water & Power
* *James H. Pope,* General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

* *Ellie Booth,* Director, State Government Relations, Covanta Energy Corporation
* *John Chillemi,* Senior Vice President & President, West Region, NRG Energy
* *Martin Daley,* Vice President & General Manager, Dynegy Power, LLC
* *Joseph F. Desmond,* SVP, Government Affairs & Communications, BrightSource Energy
* *Kassandra F. Gough,* Director, Government & Legislative Affairs, Calpine Corporation
* *Matt Handel,* Vice President, Solar Business Development, NextEra Energy Resources
* *Mary Lynch,* Vice President, State Government Affairs - West, Exelon Corporation
* *Eric Pendergraft,* President, AES Southland

Joseph E. Ronan, Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation

* *Jan Smutny-Jones,* Executive Director, Independent Energy Producers Association
* *Thomas Starrs,* VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors

* *Stephen Berberich,* President & Chief Executive Officer

ENVIRONMENTAL

* *Adrienne Alvord,* Director, California and Western States, Union of Concerned Scientists
* *Sheryl Carter,* Co-Director of the Energy Program, Natural Resources Defense Council

* Confirmed
List @ 4/11/2013

* *Derek Walker,* Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
* *Jay Ziegler,* Director of External Affairs Policy, The Nature Conservancy

CONSUMER

* *Joe Como,* Acting Director, Division of Ratepayer Advocates, C.P.U.C.
* *Mark W. Toney,* Executive Director, The Utility Reform Network (TURN)

LABOR

* *Daniel M. Curtin,* Director, California Conference of Carpenters
* *Thomas M. Dalzell,* Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Mike Layton,* Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

* *Patrick F. Mason,* President
* *Beth E. Vaughan,* Policy Consultant
* *Celeste Cremen,* Conference Coordinator
* *Emilie Chu,* Controller
* *Joan Lynch,* Assistant to Conference Coordinator
* *Nora Traughber,* Fellow

OBSERVERS

* *Kevin Barker,* Advisor to Chairman Weisenmiller, California Energy Commission
* *Sean Beatty,* Director, Regulatory Affairs, NRG Energy
* *Gregory Blue,* Regulatory & Government Affairs, GTB Consulting
  Patricia T. Clarey, Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
* *Jeanne Clinton,* Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
* *Ronald Cochran, Jr.,* Sr. Assistant Business Manager, IBEW Local Union 1245
* *Michael Colvin,* Energy Advisor to Commissioner Ferron, C.P.U.C.
* *Karen Edson,* Vice President, External Affairs, California Independent System Operator
* *Davina Flemings,* Principal Consultant, Assembly Utilities and Commerce Committee
* *Matt Freedman,* Staff Attorney, The Utility Reform Network (TURN)
* *Michael Gianunzio,* Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.

* Confirmed
List @ 4/11/2013

* *Julie Gill,* Director of Regulatory & Government Affairs, AES Southland
* *Kerry Hattevik,* Director of West Market Affairs, NextEra Energy Resources
* *Charlyn Hook,* Legal Advisor for Commissioner Mark Ferron, C.P.U.C.
* *Sara Kamins,* Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
* *Sue Kateley,* Chief Consultant, CA State Assem Committee on Utilities & Commerce
* *Stephen J. Larson,* Executive Director, California Energy Systems for the 21st Century
  Michael Liikala, International Representative, ACS Infrastructure Development
* *Chloe Lukins,* Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
* *James Metropulos,* Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
* *William Miller,* President, TransWest Express, LLC
* *Marcie A. Milner,* Vice President, Regulatory Affairs, Shell Energy North America
* *Robert Oglesby,* Executive Director, California Energy Commission
* *Alan Padgett,* Vice President, Assest Management, GasCo, Dynegy Inc.
* *Ryan Pierini,* Chief of Staff, Office of Assembly Member William Quirk
* *Marcelo Poirier,* Legal Advisor to Commissioner Michel Florio, C.P.U.C.
* *Edward Randolph,* Director, Energy Division, C.P.U.C.
* *Daniel Skopec,* Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
* *Charlotte TerKeurst,* Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
* *Matthew Tisdale,* Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
* *Dave Titus,* Chief of Staff, Office of Assembly Member Beth Gaines
* *Michael Wheeler,* Director of Policy Initiatives, Recurrent Energy
* *Laura Wisland,* Clean Energy Analyst, Union of Concerned Scientists
* *Susan Wood,* Chief Executive Officer, SCC Americas

* Confirmed
List @ 4/11/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th

12:00 pm - 1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm - 1:15 pm – Welcome and Introduction – Silverado West Ballroom

***Patrick F. Mason**,* President, CFEE

1:15 pm - 2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

***Jan Smutny-Jones,** Executive Director, Independent Energy Producers Assoc.
***Stephen Berberich**, President & CEO, California Independent System Operator

2:00 pm - 2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

***Michael Peevey**, President, California Public Utilities Commission
***Robert Weisenmiller,** Chair, California Energy Commission

Roundtable Discussion

*presenter confirmed

2:30 pm - 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

***Andrew McAllister,** Commissioner, California Energy Commission
***Mark Ferron,** Commissioner, California Public Utilities Commission
***Ron Nichols,** General Manager, Los Angeles Department of Water and Power
***Sheryl Carter,** Co-Director Energy Program, Natural Resources Defense Council
***Kevin Evans,** Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls

Roundtable Discussion

3:30 pm - 3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

***Nick Chaset**, Governor's Special Advisor for DG, CHP and Energy Storage
***Laura Wisland,** Senior Energy Analyst, Union of Concerned Scientists
***Jim Avery,** Senior VP, Power Supply, Sempra Energy Utilities
***Tom Starrs,** VP, Market Development and Policy, SunPower Corporation

Roundtable Discussion

6:00 pm – Reception and Dinner—TBD

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

***Mary Nichols**, Chairman, Air Resources Board
***Michael Peevey**, President, California Public Utilities Commission
***Robert Weisenmiller,** Chair, California Energy Commission
***Stephen Berberich**, President & CEO, California Independent System Operator

Roundtable Discussion

*presenter confirmed

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
****Fong Wan***, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot, Deputy Director, Governor's Office of Planning and Research
****Aaron Johnson,*** Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.11.13

*presenter confirmed

Patrick F. Mason, Ph. D.
President

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

April 11, 2013

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California**.

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

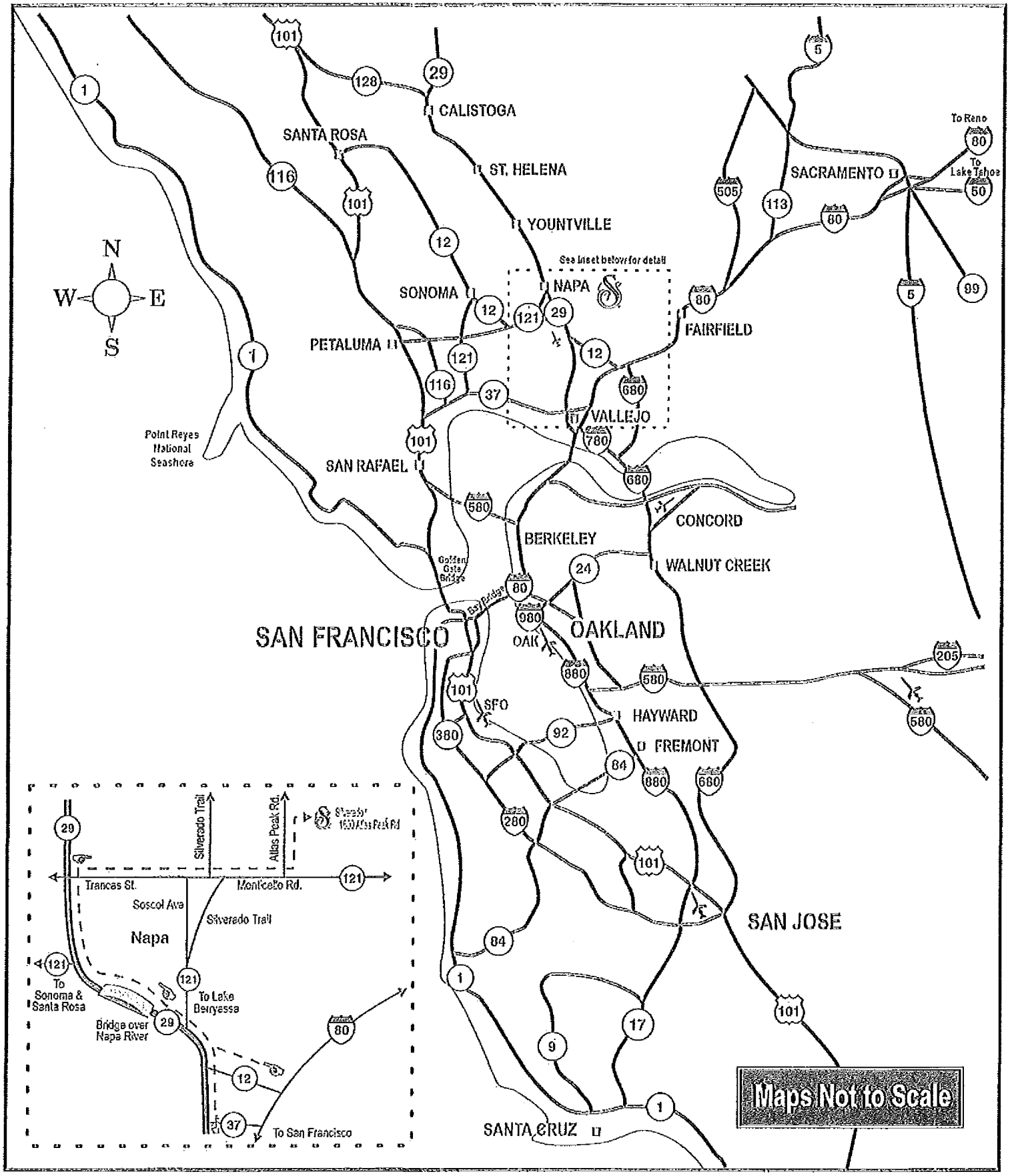
We look forward to seeing you in Napa.

PFM/mw
Enclosures

Note: Although we do not provide legal advice, it is our understanding that, as a non-profit organized under section 501(c)(3) of the Internal Revenue Code, CFEE can host your participation, which is not subject to the state gift limitation. However, the costs of your hotel accommodations and meals related to the conference are reportable. We will provide you with the reportable amount immediately following the event, which we currently estimate to be approximately $380.

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

CPUC02515

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
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TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
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- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Mark J. Ferron**
TITLE: **Commissioner**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ____ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: 232301

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: Attending Thur PM Dinner only

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

From: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 11:22 AM
To: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject: Re: CFEE Energy Conference Mailout

Hi -

I can't read the handwriting on the Participation and Hotel Confirmation form, so could you please confirm that I will not be staying overnight but will be participating for lunch and dinner and that I will want to pay for both of these, either at the event or with a follow-up invoice.

Thanks

On [17 Apr 13], at 17 Apr 11:06, "Banks, Juliane" <juliane.banks@cpuc.ca.gov> wrote:

Fyi..

From: Nora Traughber [mailto:nora@cfee.net]
Sent: Wednesday, April 17, 2013 10:42 AM
To: Banks, Juliane
Subject: CFEE Energy Conference Mailout

Juliane,

Attached, please find Commissioner Ferron's digitized mailout. Sorry for the delay, we were without internet all day yesterday. Let me know if you need anything else.

Best,

Nora Traughber
Fellow

California Foundation on the Environment and the Economy
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Office: 415.788.1786
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<Participants List.pdf><Draft Agenda.pdf><Energy Conference Memo.pdf><Silverado directions.pdf><Ferron.pdf>

From: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 11:33 AM
To: Nora Traughber <nora@cfee.net>
Subject: RE: CFEE Energy Conference Mailout

Hi Nora,

I wanted to confirm that Comr. Ferron will not be requiring hotel accommodations and would like to pay for his meals. My understanding is that there will be lunch and dinner served on Thursday, April 25th, the only day he will be attending the conference. Please let me know the cost of both meals and whom the check should be sent to and I'll mail it after the conclusion of the conference.

Thanks for your assistance,
Juliane
415-703-2284

From: Nora Traughber [mailto:nora@cfee.net]
Sent: Wednesday, April 17, 2013 10:42 AM
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www.cfee.net

From:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Wednesday, April 17, 2013 11:38 AM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Subject:	RE: CFEE Energy Conference Mailout

Okay...done!

From: Ferron, Mark J.
Sent: Wednesday, April 17, 2013 11:22 AM
To: Banks, Juliane
Subject: Re: CFEE Energy Conference Mailout

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Subject: CFEE Energy Conference Mailout

Juliane,

Attached, please find Commissioner Ferron's digitized mailout. Sorry for the delay, we were without internet all day yesterday. Let me know if you need anything else.

Best,

Nora Traughber
Fellow

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
Mobile: 310.767.6252
Office: 415.788.1786
Fax: 415.986.2227
www.cfee.net

<Participants List.pdf><Draft Agenda.pdf><Energy Conference Memo.pdf><Silverado directions.pdf><Ferron.pdf>

From:	Beth Vaughan <beth@beth411.com>
Sent:	Wednesday, April 17, 2013 12:06 PM
To:	'Joan Lynch' <jlynch@cfee.net>; joan.dahlgren@cpuc.ca.gov; matthew.tisdale@cpuc.ca.gov; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; 'Wan, Fong' <fxw1@pge.com>; 'Patrick Mason' <pat@cfee.net>; 'Nora Traughber' <nora@cfee.net>
Cc:	jana.bergman@nrgenergy.com; May.Oshima@sce.com; terrie.kelley@sce.com; 'Jungerberg, Bonnie' <BEJ3@pge.com>; S1R2@pge.com; 'Meta Winn' <Meta@cfee.net>; 'Celeste Cremen' <celeste@cfee.net>; 'Emilie Chu' <echu@cfee.net>
Subject:	RE: CFEE Energy call_Session 6_dial-in info
Attach:	041613 Energy Part.pdf; 4.16.13_DFT_NRG_Agenda.docx

Attached please find an updated agenda and participant list, for reference on our call this afternoon.

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Monday, April 15, 2013 12:58 PM
To: joan.dahlgren@cpuc.ca.gov; matthew.tisdale@cpuc.ca.gov; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; Wan, Fong; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: jana.bergman@nrgenergy.com; May.Oshima@sce.com; terrie.kelley@sce.com; Jungerberg, Bonnie; S1R2@pge.com; Meta Winn; Celeste Cremen; Emilie Chu
Subject: CFEE Energy call_Session 6_dial-in info

Session 6: Role of Clean and Efficient Fossil Fuel Generation

The call is confirmed for **Wednesday, Apr 17th, at 4 pm PST.** Please allow about 1/2 hour.

Dial in: 888-537-7715
Passcode: 76240133#

Participants
Mike Florio
Matthew Tisdale
John Chillemi (traveling, not confirmed)
Stuart Hemphill
Fong Wan
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(If John Chillemi cannot join this call, we will schedule separately.)

Please call our office if you have any questions.
Thank you,

Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy

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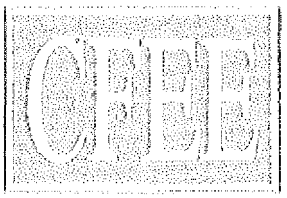

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

INVITEES

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
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CALIFORNIA STATE ASSEMBLY

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* Not Confirmed
List @ 4/16/2013

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Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
Ben Hueso
James Patterson
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Rudy Salas
Scott T. Wilk
Das Williams

BUSINESS / INDUSTRY

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Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

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Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Joe Como, Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/16/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust
Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President
Beth E. Vaughan, Policy Consultant
Celeste Cremen, Conference Coordinator
Emilie Chu, Controller
Joan Lynch, Assistant to Conference Coordinator
Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission
Sean Beatty, Director, Regulatory Affairs, NRG Energy
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.
* *Richard Corey,* Executive Officer, California Air Resources Board
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Matt Freedman, Staff Attorney, The Utility Reform Network (TURN)
Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Charlyn Hook, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Not Confirmed
List @ 4/16/2013

Sara Kamins, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
* *Michael Liikala,* International Representative, TBA
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
William Miller, President, TransWest Express, LLC
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Mary D. Nichols, Chairman
Robert Oglesby, Executive Director, California Energy Commission
Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
Ryan Pierini, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
* *Nancy E. Ryan*, Advisor, EThree
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Charlotte TerKeurst, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
Dave Titus, Chief of Staff, Office of Assembly Member Beth Gaines
Virgil Welch, Special Assistant
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists
Susan Wood, Chief Executive Officer, SCC Americas

* Not Confirmed
List @ 4/16/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From: Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 12:08 PM
To: beth@beth411.com; Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Subject: RE: CFEE call today at 4pm...

Yes and yes.....

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: Beth Vaughan <beth@beth411.com>
Date: 04/17/2013 11:57 AM (GMT-08:00)
To: "Florio, Michel Peter" <MichelPeter.Florio@cpuc.ca.gov>
Subject: CFEE call today at 4pm...

...are you taking this call from your office? I'm meeting Brian Stevens from Peevey's staff at 4:30pm on the 5th floor, so if you are taking the call from your office, can I join you?

Beth

Beth Vaughan
Executive Director
California Cogeneration Council
(925) 408-5142 cell

This message (including any attachments) contains confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly prohibited.

From:	Nora Traughber <nora@cfee.net>
Sent:	Wednesday, April 17, 2013 12:14 PM
To:	juliane.banks@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	FW: CFEE Energy Conference Mailout

Juliane,

I am cc'ing in Celeste, our conference coordinator, who can answer these logistical questions for you. You may also feel free to call our office, at 415-788-1786.

Best,

Nora

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Date: Wednesday, April 17, 2013 11:32 AM
To: cfee cfee <nora@cfee.net>
Subject: RE: CFEE Energy Conference Mailout

Hi Nora,

I wanted to confirm that Comr. Ferron will not be requiring hotel accommodations and would like to pay for his meals. My understanding is that there will be lunch and dinner served on Thursday, April 25th, the only day he will be attending the conference. Please let me know the cost of both meals and whom the check should be sent to and I'll mail it after the conclusion of the conference.

Thanks for your assistance,
Juliane
415-703-2284

From: Nora Traughber [mailto:nora@cfee.net]
Sent: Wednesday, April 17, 2013 10:42 AM
To: Banks, Juliane
Subject: CFEE Energy Conference Mailout

Juliane,

Attached, please find Commissioner Ferron's digitized mailout. Sorry for the delay, we were without internet all day yesterday. Let me know if you need anything else.

Best,

Nora Traughber
Fellow

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Pier 35, Suite 202 | San Francisco, CA 94133
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Office: 415.788.1786
Fax: 415.986.2227
www.cfee.net

From: Celeste Cremen <celeste@cfee.net>
Sent: Wednesday, April 17, 2013 12:40 PM
To: lynn.sadler@cpuc.ca.gov
Subject: CFEE

Hi Lynn,

Pat Mason just handed me your name regarding possibly attending our CFEE Energy Conference next week. Could you kindly give me a call when you have a moment and I can go over the conference with you and answer any questions you may have. I would also need to get your complete contact information.

THX,

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
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From:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Sent:	Wednesday, April 17, 2013 12:57 PM
To:	Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
Subject:	CFEE Energy Conference Call (MWT) Details to follow--PLEASE SEE (New) ATTACNMENT BELOW
Attach:	Untitled Attachment; CFEE Energy call_Session 6_dial-in info.msg; RE_ CFEE Energy call_Session 6_dial-in info.msg

.

From: Joan Lynch [jlynch@cfee.net]
Sent: Monday, April 15, 2013 12:58 PM
To: Dahlgren, Joan; Tisdale, Matthew; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; Wan, Fong; Beth Vaughan; Patrick Mason; Nora Traughber
Cc: jana.bergman@nrgenergy.com; May.Oshima@sce.com; terrie.kelley@sce.com; Jungerberg, Bonnie; S1R2@pge.com; Meta Winn; Celeste Cremen; Emilie Chu
Subject: CFEE Energy call_Session 6_dial-in info

Session 6: Role of Clean and Efficient Fossil Fuel Generation

The call is confirmed for **Wednesday, Apr 17th, at 4 pm PST.** Please allow about 1/2 hour.

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Passcode: 76240133#

Participants
Mike Florio
Matthew Tisdale
John Chillemi (traveling, not confirmed)
Stuart Hemphill
Fong Wan
Patrick Mason
Beth Vaughan
Nora Traughber, CFEE Fellow

(If John Chillemi cannot join this call, we will schedule separately.)

Please call our office if you have any questions.
Thank you,

Joan Lynch
Office Administrator

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To: 'Joan Lynch'; Dahlgren, Joan; Tisdale, Matthew; john.chillemi@nrgenergy.com; stuart.hemphill@sce.com; 'Wan, Fong'; 'Patrick Mason'; 'Nora Traughber'
Cc: jana.bergman@nrgenergy.com; May.Oshima@sce.com; terrie.kelley@sce.com; 'Jungerberg, Bonnie'; S1R2@pge.com; 'Meta Winn'; 'Celeste Cremen'; 'Emilie Chu'
Subject: RE: CFEE Energy call_Session 6_dial-in info
Attachments: 041613 Energy Part.pdf; 4.16.13_DFT_NRG_Agenda.docx

Attached please find an updated agenda and participant list, for reference on our call this afternoon.

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Nora Traughber, CFEE Fellow

(If John Chillemi cannot join this call, we will schedule separately.)

Please call our office if you have any questions.
Thank you,

Joan Lynch
Office Administrator

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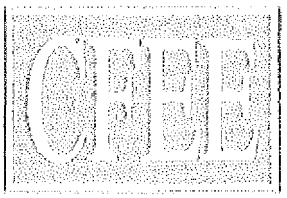

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Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Steven C. Bradford
Joan Buchanan

* Not Confirmed
List @ 4/16/2013

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415 788 1786 www.cfee.net FAX 415 986 2227

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Roger Hernández
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Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Joe Como, Acting Director, Division of Ratepayer Advocates, C.P.U.C.
Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/16/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust
Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President
Beth E. Vaughan, Policy Consultant
Celeste Cremen, Conference Coordinator
Emilie Chu, Controller
Joan Lynch, Assistant to Conference Coordinator
Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission
Sean Beatty, Director, Regulatory Affairs, NRG Energy
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.
* *Richard Corey,* Executive Officer, California Air Resources Board
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Matt Freedman, Staff Attorney, The Utility Reform Network (TURN)
Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Charlyn Hook, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Not Confirmed
List @ 4/16/2013

Sara Kamins, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
* *Michael Liikala,* International Representative, TBA
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
William Miller, President, TransWest Express, LLC
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Mary D. Nichols, Chairman
Robert Oglesby, Executive Director, California Energy Commission
Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
Ryan Pierini, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
* *Nancy E. Ryan*, Advisor, EThree
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Charlotte TerKeurst, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
Dave Titus, Chief of Staff, Office of Assembly Member Beth Gaines
Virgil Welch, Special Assistant
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists
Susan Wood, Chief Executive Officer, SCC Americas

* Not Confirmed
List @ 4/16/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From: Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 1:07 PM
To: Celeste Cremen <celeste@cfee.net>
Subject: RE: 4/25 Hotel Room

Excellent. I'll probably also join the breakfast buffet on that Friday morning, as well.
Michael

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Monday, April 15, 2013 4:00 PM
To: Colvin, Michael
Cc: Emelo, Josephine
Subject: Re: 4/25 Hotel Room

Hi,

No worries, consider it done. There will be a room for you under your name at Silverado.

Thanks ,
Celeste

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
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On Apr 15, 2013, at 3:46 PM, "Colvin, Michael" <michael.colvin@cpuc.ca.gov> wrote:

Celeste

If not too late, I would love to get a hotel room for the evening of 4/25. Please let me know what information you need. I'm CC'ing my admin, Josie Emelo to help.

Thanks
Michael

Michael Colvin
Energy Advisor to Commissioner Ferron
California Public Utilities Commission
(415) 355-5484
michael.colvin@cpuc.ca.gov

From: Mack, Grant@Energy <Grant.Mack@energy.ca.gov>
Sent: Wednesday, April 17, 2013 1:27 PM
To: Stevens, Brian <brian.stevens@cpuc.ca.gov>
Subject: CFEE Loading Order Session

Hi Brian,

Will you be working on Pres. Peevey's talking points for the CFEE loading order session? I'd like to get a general feel of how he would like to approach the topic so that the Chair's comments support his approach.

Best regards,

Grant A. Mack,
Advisor to Chair Robert Weisenmiller
California Energy Commission
(916) 654-5166
1516 Ninth Street MS-33
Sacramento, CA 95814
grant.mack@energy.ca.gov

From: Stevens, Brian [mailto:brian.stevens@cpuc.ca.gov]
Sent: Tuesday, April 16, 2013 11:56 AM
To: Mack, Grant@Energy
Subject: FW: Hold items 31 and 32 for two meetings

From: Stevens, Brian
Sent: Tuesday, April 16, 2013 11:55 AM
To: Agenda Hold List
Cc: Peevey, Michael R.; Turhal, Cem
Subject: Hold items 31 and 32 for two meetings

President Peevey's Office requests a two meeting hold for items 31 and 32 to draft an alternate.

Kind regards,

Brian Stevens
Office of President Michael Peevey
California Public Utilities Commission
505 Van Ness; San Francisco, CA 94102
415-703-2148

From: Stevens, Brian <brian.stevens@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 1:31 PM
To: Mack, Grant@Energy <Grant.Mack@energy.ca.gov>
Cc: Lee, Audrey <audrey.lee@cpuc.ca.gov>
Subject: Re: CFEE Loading Order Session

I believe Audrey is preparing those.

Sent from my iPhone

On Apr 17, 2013, at 1:26 PM, "Mack, Grant@Energy" <Grant.Mack@energy.ca.gov> wrote:

> Hi Brian,
>
> Will you be working on Pres. Peevey's talking points for the CFEE loading order session? I'd like to get a general feel of how he would like to approach the topic so that the Chair's comments support his approach.
>
> Best regards,
>
> Grant A. Mack,
> Advisor to Chair Robert Weisenmiller
> California Energy Commission
> (916) 654-5166
> 1516 Ninth Street MS-33
> Sacramento, CA 95814
> grant.mack@energy.ca.gov
>
> ---
>
> **From:** Stevens, Brian [mailto:brian.stevens@cpuc.ca.gov]
> **Sent:** Tuesday, April 16, 2013 11:56 AM
> **To:** Mack, Grant@Energy
> **Subject:** FW: Hold items 31 and 32 for two meetings
>
> ---
>
> **From:** Stevens, Brian
> **Sent:** Tuesday, April 16, 2013 11:55 AM
> **To:** Agenda Hold List
> **Cc:** Peevey, Michael R.; Turhal, Cem
> **Subject:** Hold items 31 and 32 for two meetings
>
> President Peevey's Office requests a two meeting hold for items 31 and 32 to draft an alternate.
>
> Kind regards,
>
> Brian Stevens
> Office of President Michael Peevey
> California Public Utilities Commission
> 505 Van Ness; San Francisco, CA 94102
> 415-703-2148

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Wednesday, April 17, 2013 2:47 PM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject:	CFEE talking point ideas
Attach:	CPUC EE Primer_for Kyle Hiner_03-2013_v4.ppt

Some talking points suggestions from Jeanne for CFEE are below – thanks Jeanne, as always! I have a slightly different bent and so am adding mine on top of Jeanne's fantastic outline below. Hopefully, you can steal from both and "ferronize" it accordingly. I'm also attaching a 'mega slide deck' that ED staff put together that has some good visuals and phrasing. If you like any of this stuff, we can put together a 'take away' page if you would like. Let me know.

Michael's thoughts (Jeanne's outline is below):
I think that for this crowd I would suggest that you try to hit the following three categories of points in terms of an overall theme:

1. EE is a the cleanest and cheapest energy resource we have. It's also the hardest thing to do because it is not just a contract with one power plant, but lots of individual actors changing infrastructure and behavior. Would use an example of a commercial or industrial plant so that the members don't automatically jump to their own home/self reference EE in an individual context.
    a. We are a long time leader and yet we continue to push the envelope. Hundreds of programs, and touches every market segment.
    b. I would have a reference (nothing more than a mention) that we continue to need to ensure that we fully count the resource in our planning process and we have made/will make commitments to get EE fully integrated into everyone's process.
    c. Making a shift to longer lasting, deeper savings. This is moving a big ship, but the wheels are in motion.
2. Introducing some competition (the Regional Energy Network model) but the utility will continue to play a dominant role in the space. Hoping to incubate additional ideas. Local governments should play a role (etc.)
3. The ratepayer wallet is not infinite. Financing programs are critical to leverage private capital – we will not get to the market transformation system that we need without it. Ratepayers should not fund all of it, and rebates will only go so far…

That alone is probably enough for the first 5 minutes.

Some additional ideas (if they come up)

- In the transition from the short term 'widgets' model to building transformation/market transformation, data analytics and services model will be really important.
- There was long term funding for EE in the now expired/sunset PGC – that did have a market signal. The CPUC might try to re-create that market signal since it is our top priority resource.
- A metric for success should NOT be a declining TRC. We are under statutory mandate to do all cost effective EE. A really high TRC indicates that we are leaving savings on the table. The trick is to get as close to 1.0 as possible on a portfolio basis.
-

From: Clinton, Jeanne

Sent: Tuesday, April 16, 2013 6:45 PM
To: Colvin, Michael
Subject: CFEE talking point ideas

Here are my notes from the Friday call. Sorry for the delay.

CFEE wants an "Energy 1" level set of remarks, not "Energy 101" and for sure not "Energy 201".

Mark will have 7-10 minutes max.
No slides, can have graphic or data handouts if necessary to convey the message.

Note: Mark will be preceded by Andrew M who will cover AB 758, CEC mission with codes & standards, and IEPR (including ZNE policy, Existing building stock and DR)

CPUC points I suggest mark try to cover:

1. CPUC jurisdiction is IOU only – about 70% of electric sales, 99% of gas deliveries (but less of gas commodity sales). Also water, some telco, rail safety, household moving vans, pink mustache private limos, … What is total annual revenue requirement for the electric and gas utilities we regulate?

2. Talk about how demand side relates to supply side. CPUC aim is to promote cost-effective DSM solutions, using utility ratepayer funds to buy "negawatts" when these are cheaper than new power plants or new energy resource contracts.

3. "A word about DR" – what is it, how mobilized (pricing versus incentive payment for participating).

4. Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

5. Any data to characterize how EE, DR, and DG contribute to (mostly electric) resource mix? (e.g. from some Procurement primer?) Similarly, how the 2008 AB 32 Scoping Plan looked at demand-side resources for GHG reduction (doubt the proportional roles will be covered by the Peevey/Weisenmiller panel. May be covered later in Mary Nichols' panel?)

6. Where the DSM $ come from: Perhaps talk about what % of electric and gas revenues go to support "public purpose programs" – EE, low income EE and low income CARE, DG, RPS, … Sound like small %, but in $ this amounts to …. (a big number)

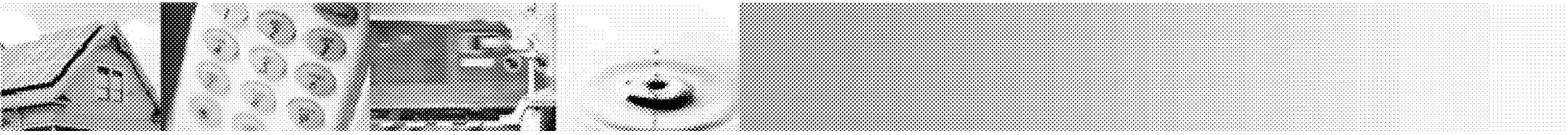
7. Differentiate "ratepayer" $ vs. "Tax payer" $, and what the spending requirements are (prudent, cost-effective, best fit, competitive, …)

This may be as far as 7-10 minutes will take him. If time permits, introduce could try to introduce some Energy "101" issues:

- Talk about the 3 buckets of strategies we oversee – utility-implemented, third-party competitively bid programs (for competition), and local government and RENs.

- New themes emerging
    a. RENs and possibility for more third-party competition
    b. Financing as way to leverage private capital to get positive cash flow solutions without needing to tap ratepayer $ to pay higher and higher rebates and incentives (there is a limit!) and so as to keep rate $ support to reasonable level.

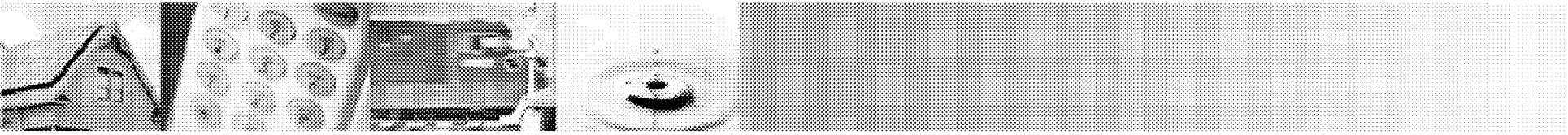
c. Aspects of DR – wholesale, retail, via controls, pricing, storage
d. Promises and opportunities of using smart data (maybe this belongs in a later panel)



CPUC Energy Efficiency Policies and Investor-Owned Utility (IOU) Programs

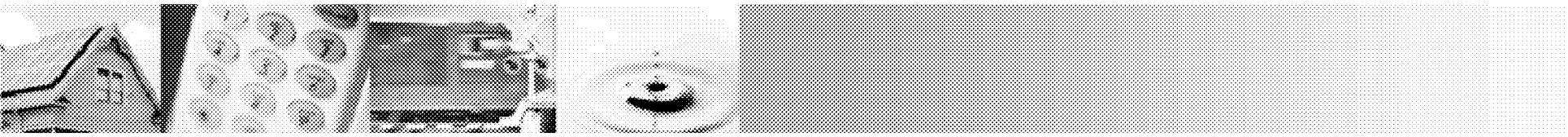
Presentation for Kyle Hiner, Sen Cmte Staff
March 20, 2013

Energy Division
California Public Utilities Commission (CPUC)

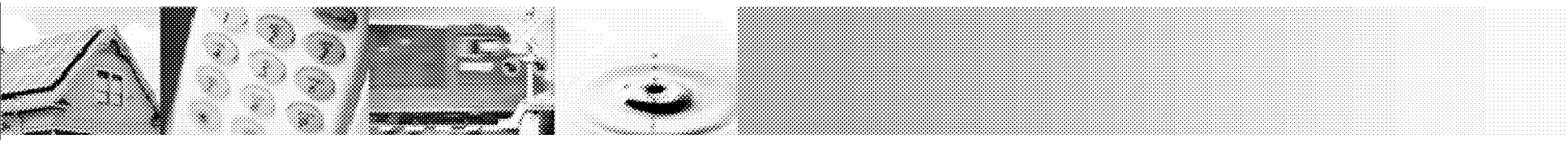


Presentation Outline

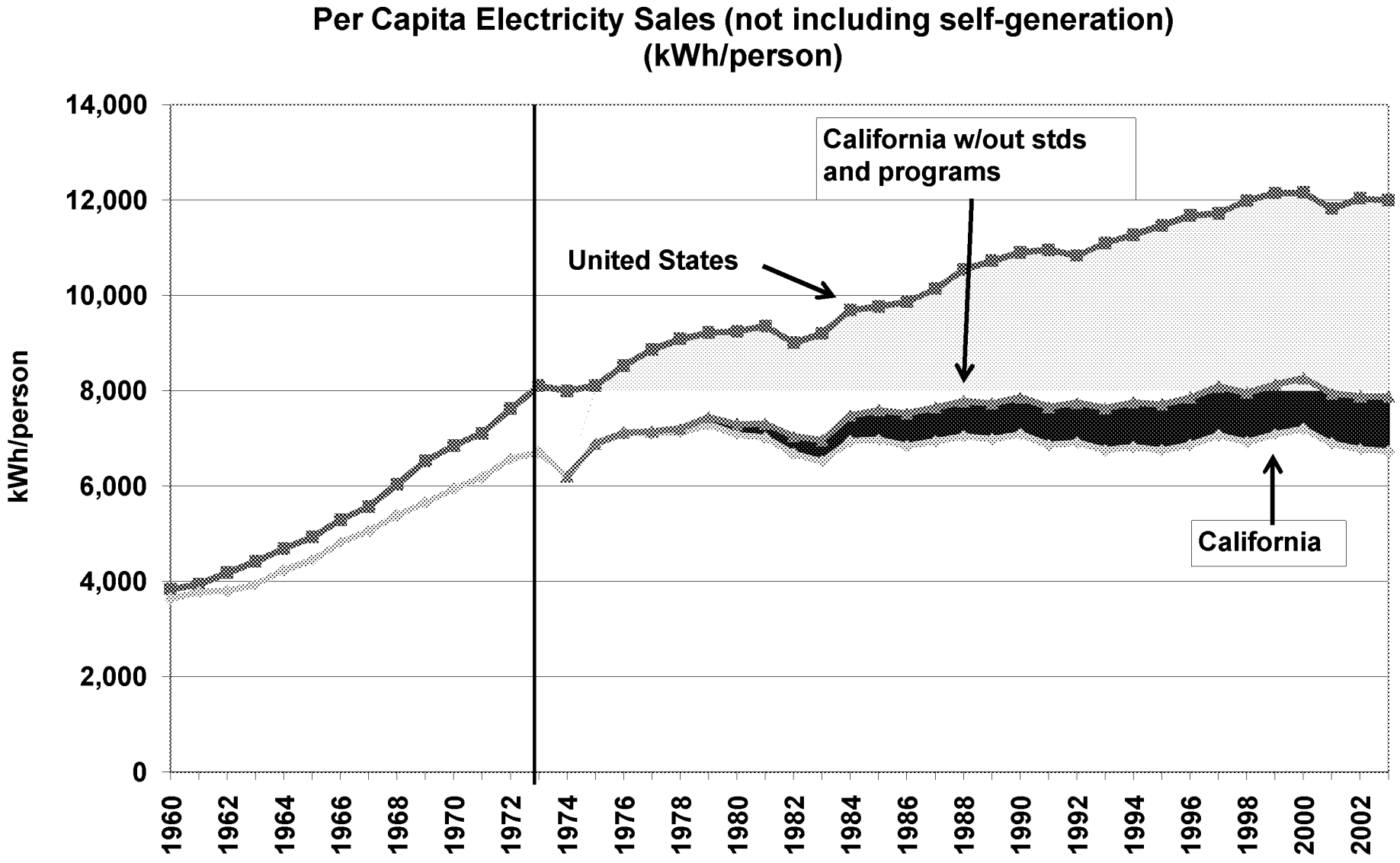
- Overview of California EE Policy Framework
- Overview of IOU programs
- Cost-Effectiveness
- Goals
- EM&V
- Shareholder incentives
- Appendices

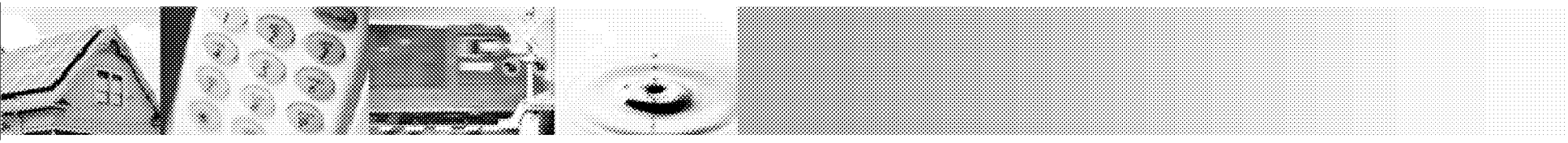


Overview of California EE Policy Framework



U.S. Energy Use Grows While California Usage Remains Flat





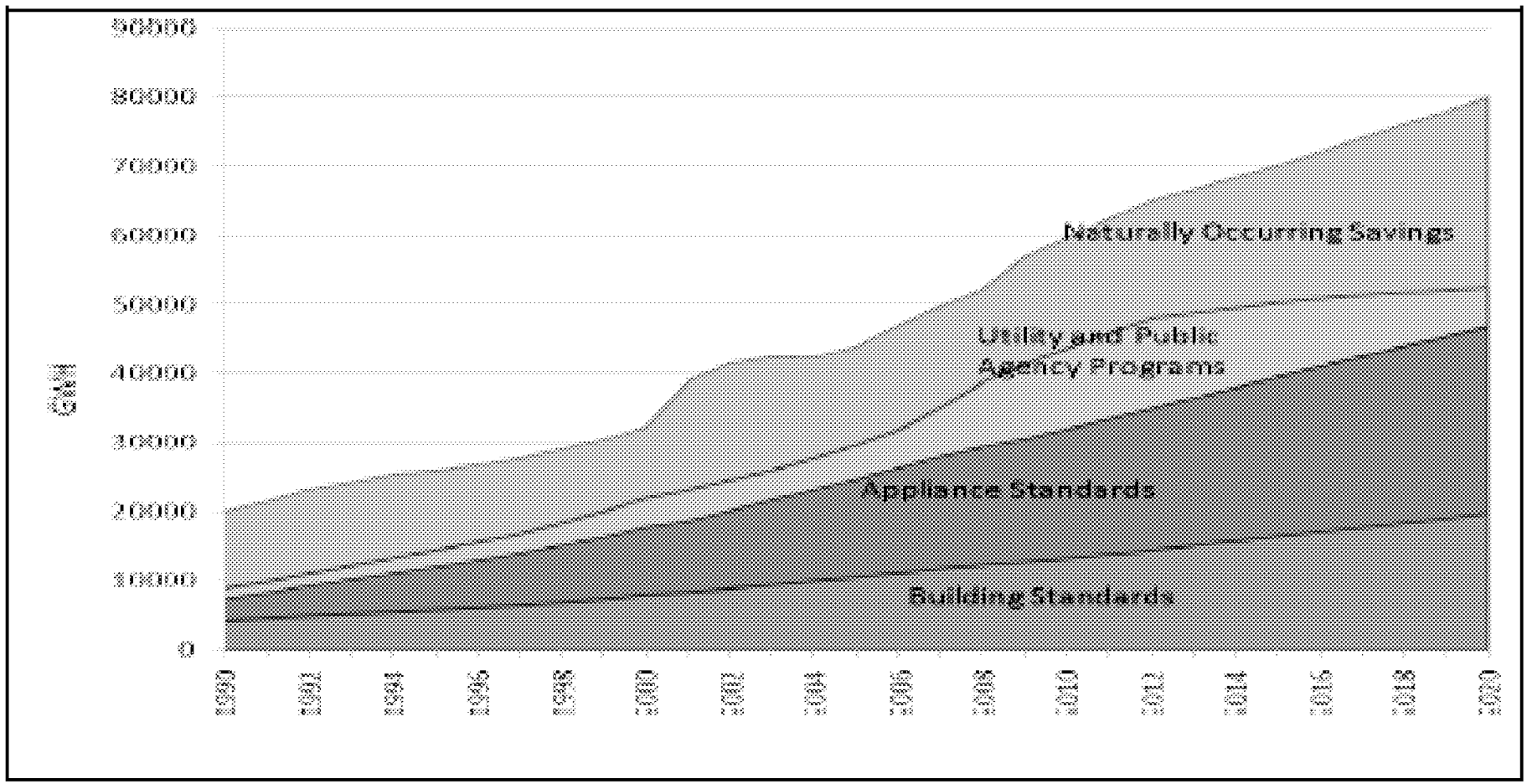
CA Power Plant Capacity Increased by only 2/3 the National Pace in the Past 20 Years

Location	1990 # of Generators	1990 Nameplate capacity (MW)	2010 # of generators	2010 Nameplate capacity (MW)	Percent capacity change
California	739	55,026	803	72,570	**31.9%**
United States	5318	783,012	6,417	1,138,638	**45.4%**

Source: U.S. Energy Information Administration, see http://www.eia.gov/electricity/data/state/

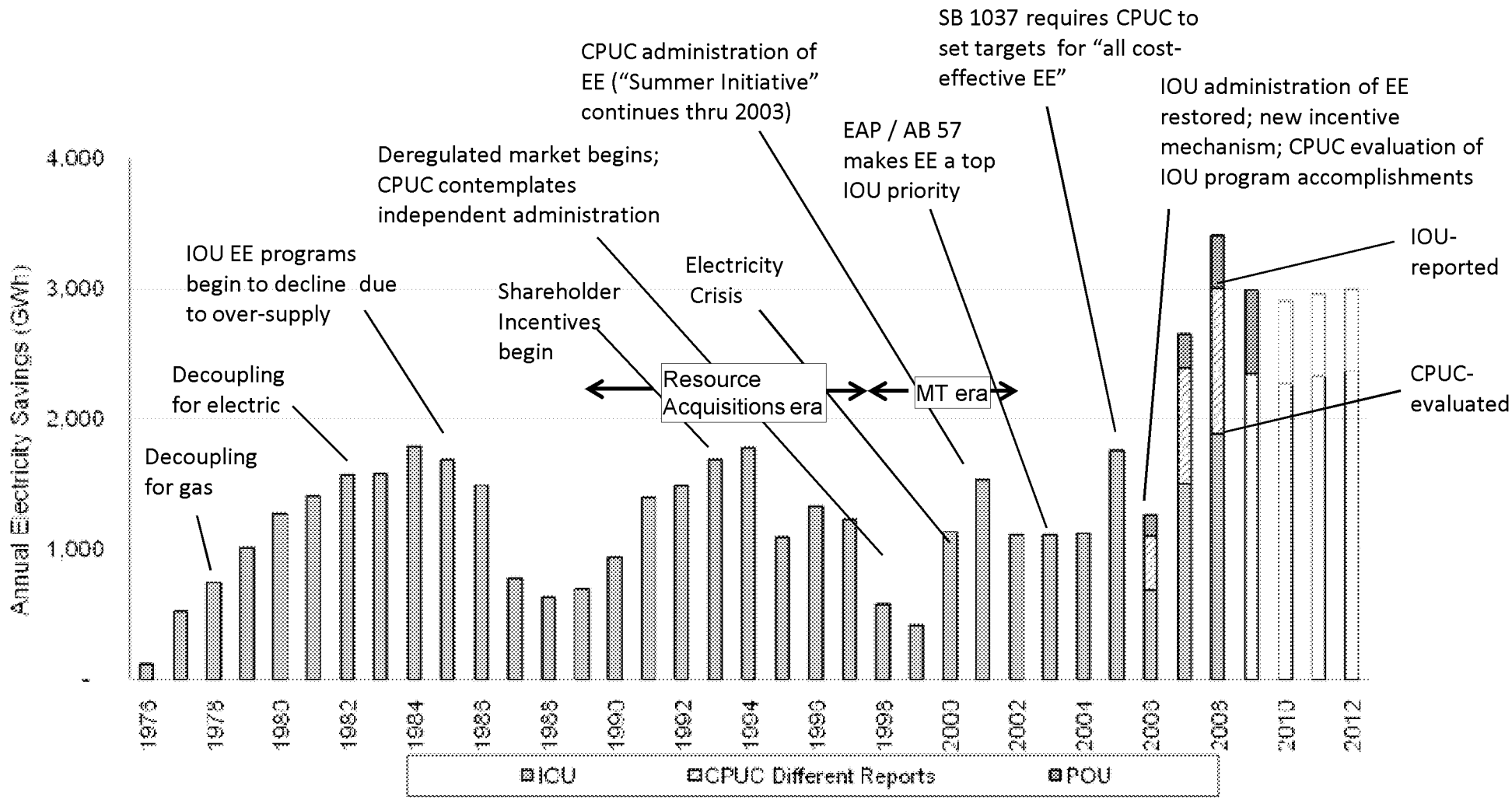
California EE / Conservation "Wedges"

Figure 5: Efficiency/Conservation Consumption Savings by Source



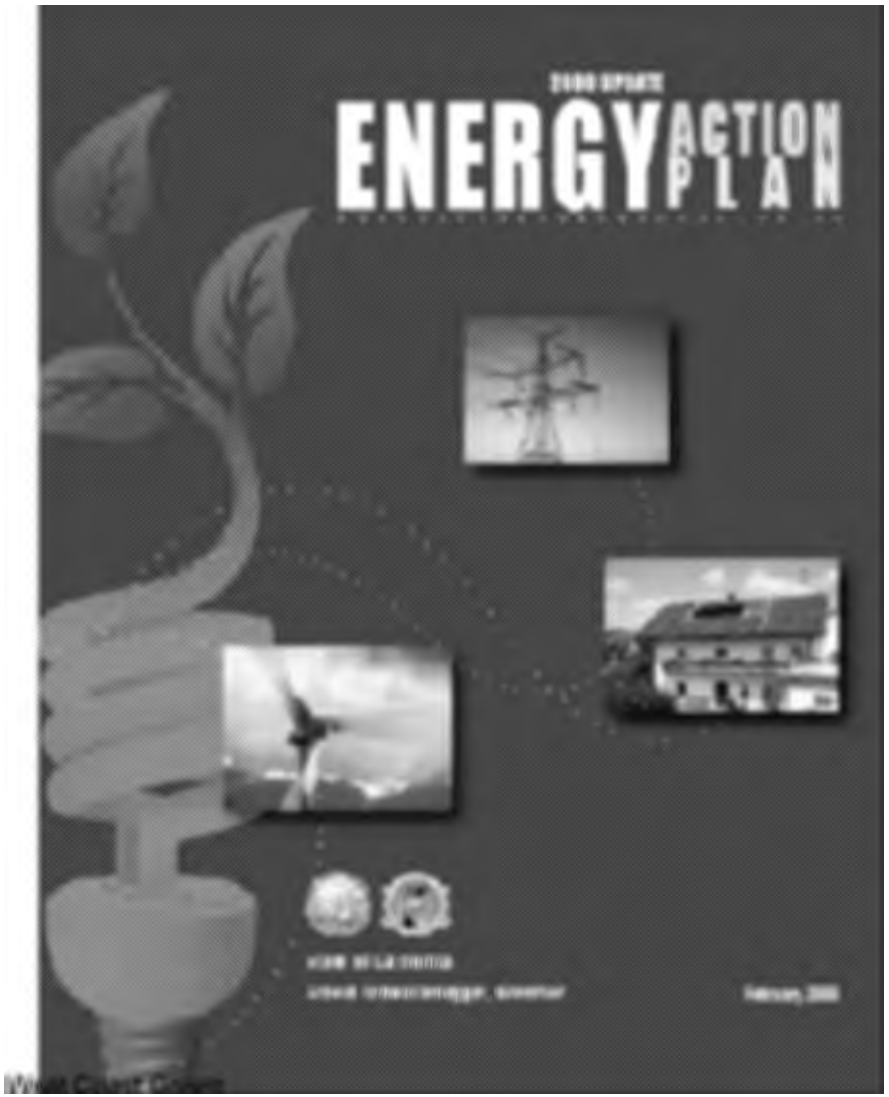
Source: California Energy Commission, 2009

Policy Influences EE Savings Among California Utilities



Source: Natural Resources Defense Council (NRDC), as modified by Energy Division 12/2012

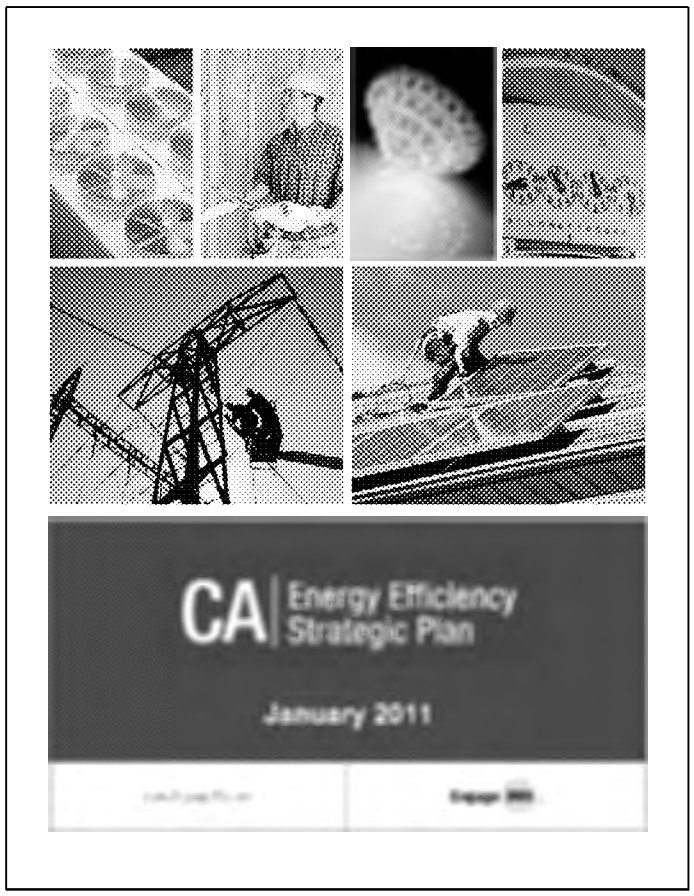
Energy Efficiency is California's Preferred Resource



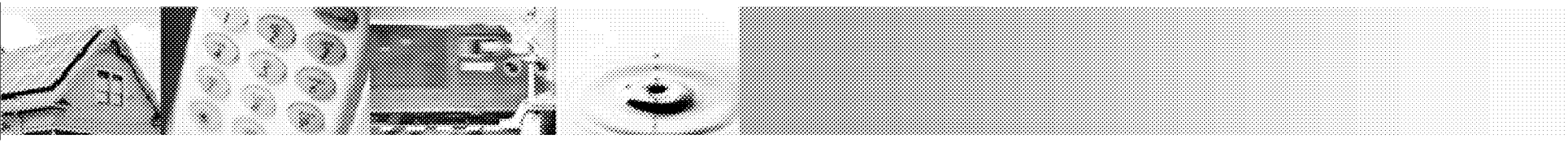
"Loading Order" of Energy Resources:

- Energy efficiency and Demand response
- Distributed generation
- Renewable generation
- Cleanest available fossil resources

California Long-Term Energy Efficiency Strategic Plan

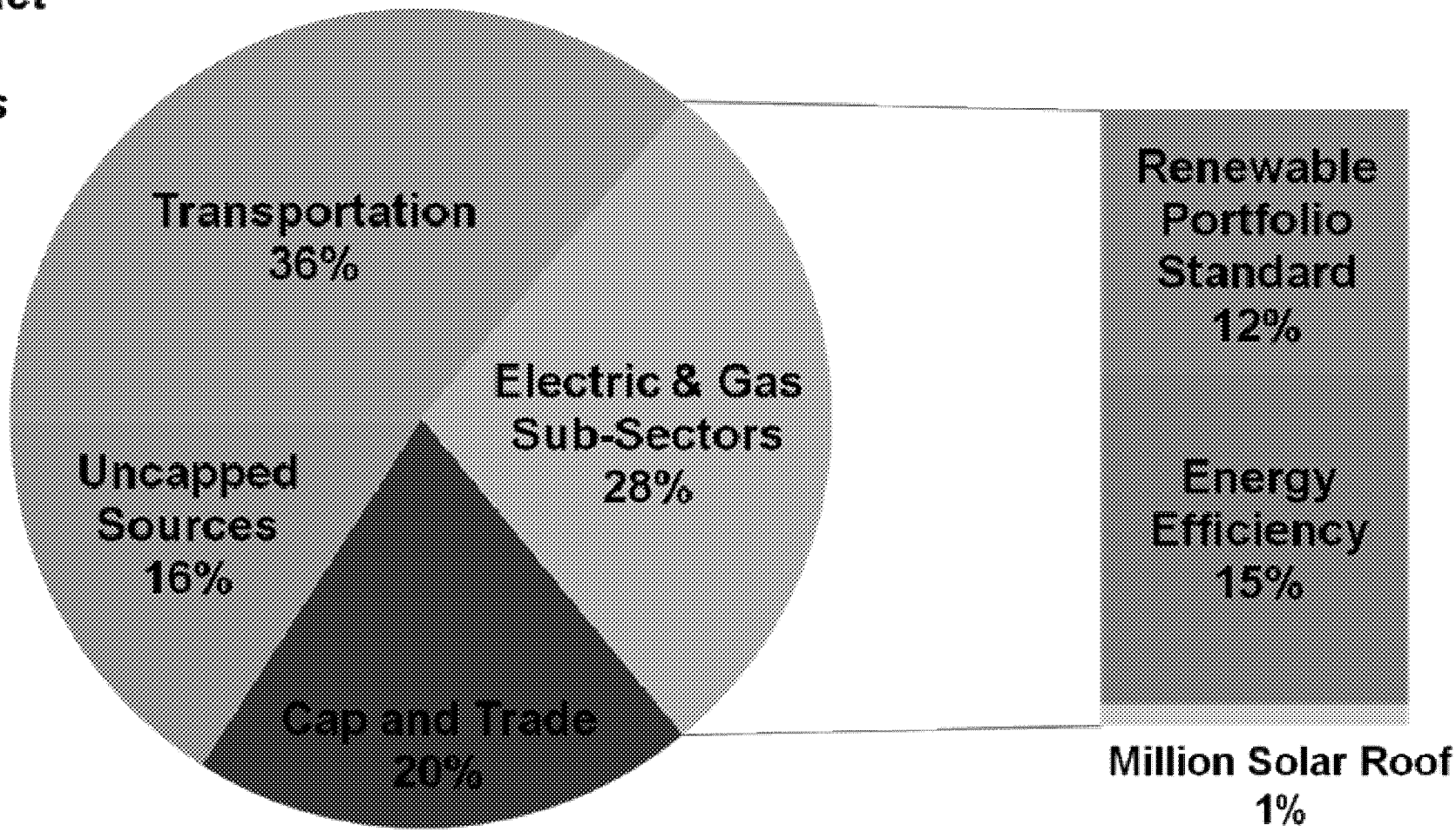


- 2007: CPUC adopts **Big Bold Energy Efficiency Strategies**:
  1. All new residential construction will be zero net energy (ZNE) by 2020
  2. All new commercial construction in California will be zero net energy by 2030
  3. HVAC market will be transformed to ensure that its energy performance is optimal
  4. All eligible low-income customers will be given the opportunity to participate in ESAP by 2020.
- 2007: CPUC orders a Strategic Plan to achieve "all cost-effective energy efficiency."
- 2008: CPUC adopts the Strategic Plan
  - A roadmap for EE through 2020 and beyond
- 2009: CPUC approves IOU programs shaped by the Strategic Plan
- Action Plans to engage non-utility entities

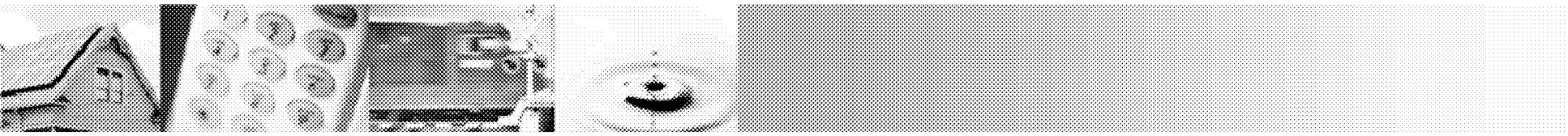


AB 32: California's Greenhouse Gas Emission Reduction Strategies

California's Global Warming Solutions Act Mandates 1990 Levels by 2020

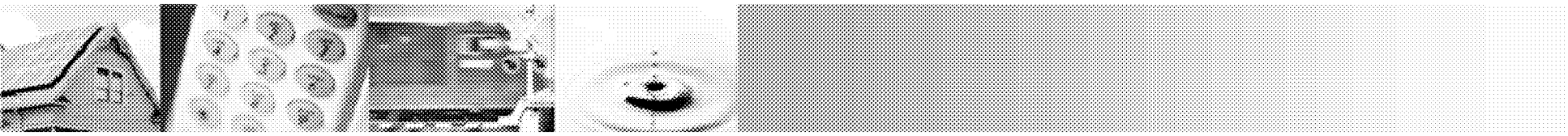


California Air Resources Board Scoping Plan, December 2008, Table 2.



CPUC Role in Governing IOU Energy Efficiency Programs

- CPUC
  - Regulates investor-owned utilities (IOUs)
  - Sets rates, determines revenue requirement
  - Oversees IOU EE budgets and plans
- Per 2005 decision, IOUs administer EE programs approved by CPUC
  - Beginning in 2006, Commission staff (Energy Division) evaluate IOU programs

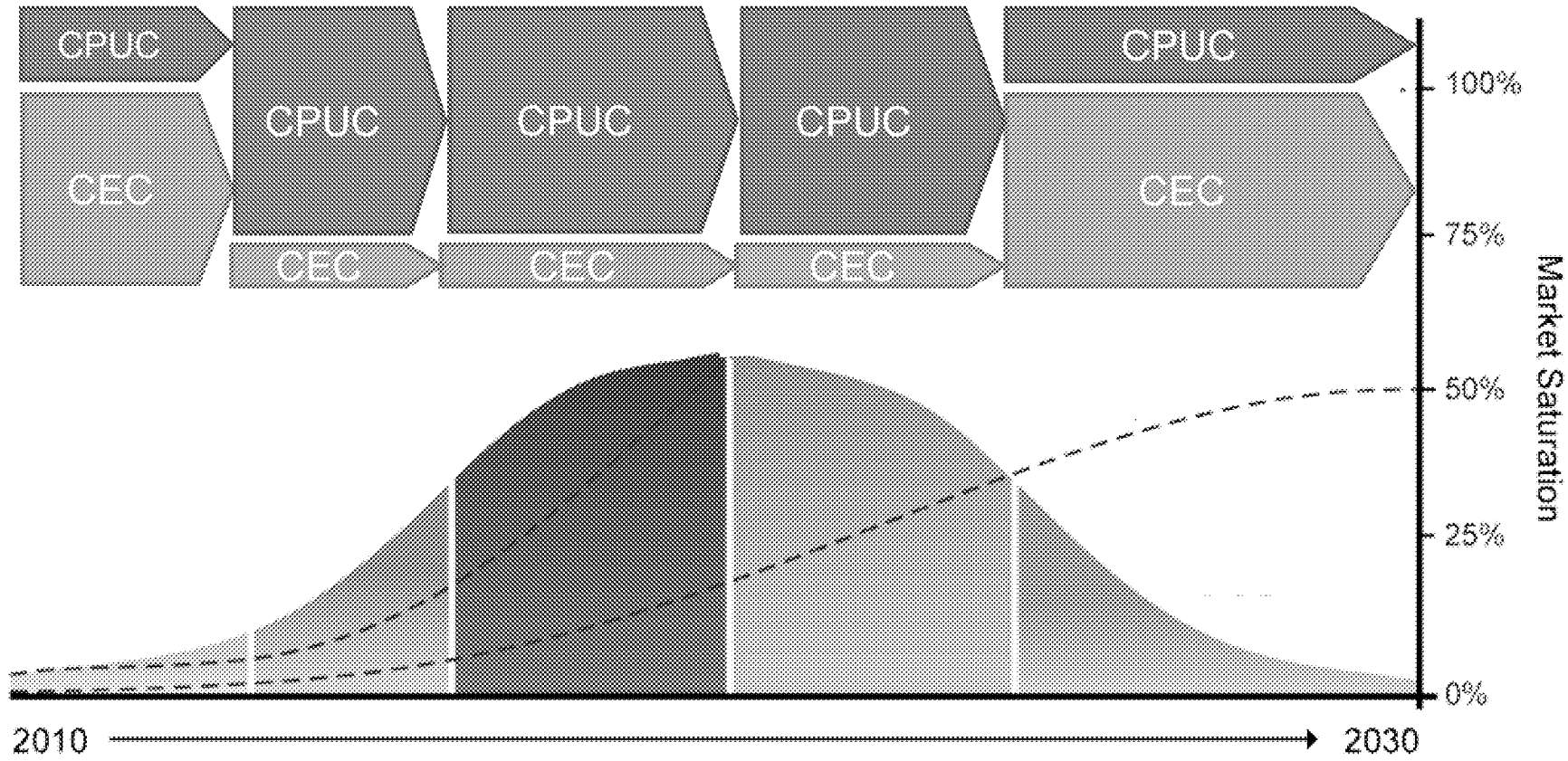


CPUC Statutory Mandates

- Foundational mandates
  - "Just and reasonable" rates – PU Code 451
  - "All practicable and cost-effective" conservation / EE – PU Code 701(b)
- More recent provisions
  - "All cost-effective EE" - PU Code Sections 454.5.(b)(9)(C) ("loading order" / electric EE procurement provision)
  - Set EE goals based on "all cost-effective EE" - PU Code 454.55 (electric) and 454.56 (gas)
  - Electric PGC surcharge – PU Code 381 and 399 (now expired)
  - Natural Gas PPP surcharge – PU Code 890-899 (no sunset)

CPUC policy emphasis focused on voluntary market

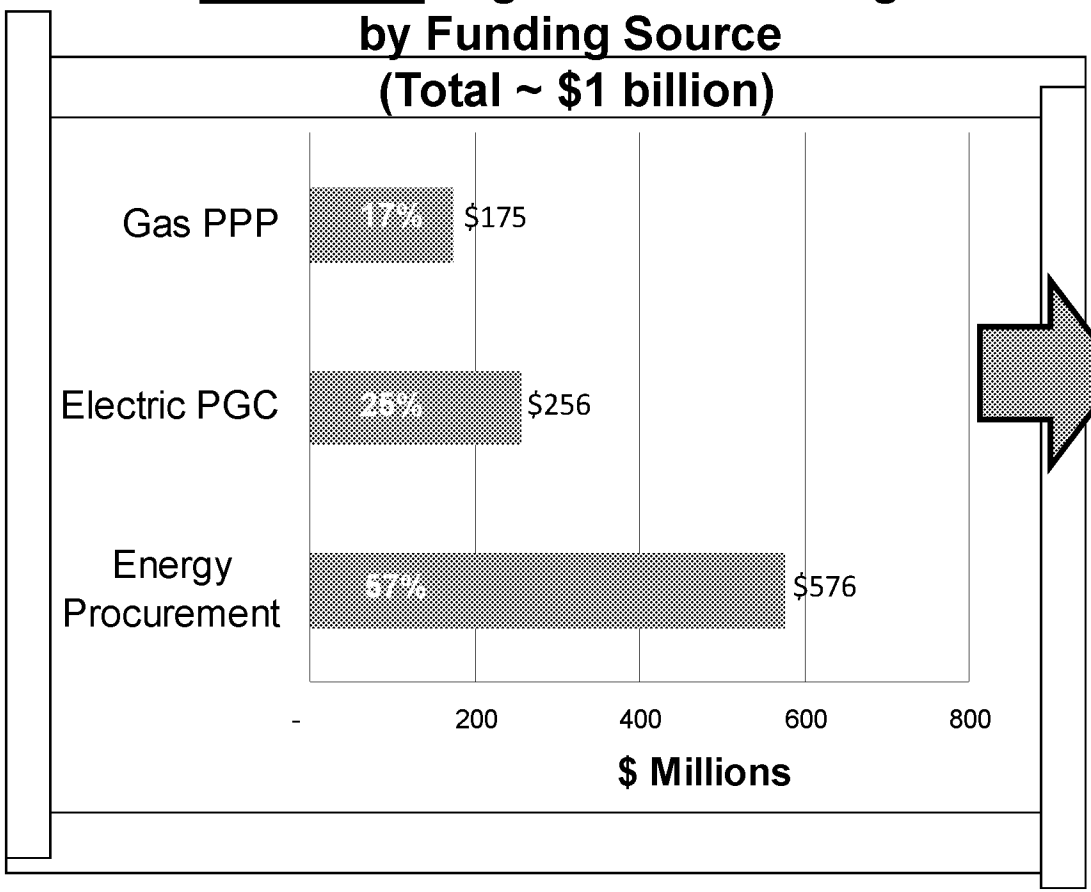
Historical Agency Emphasis / Mandates

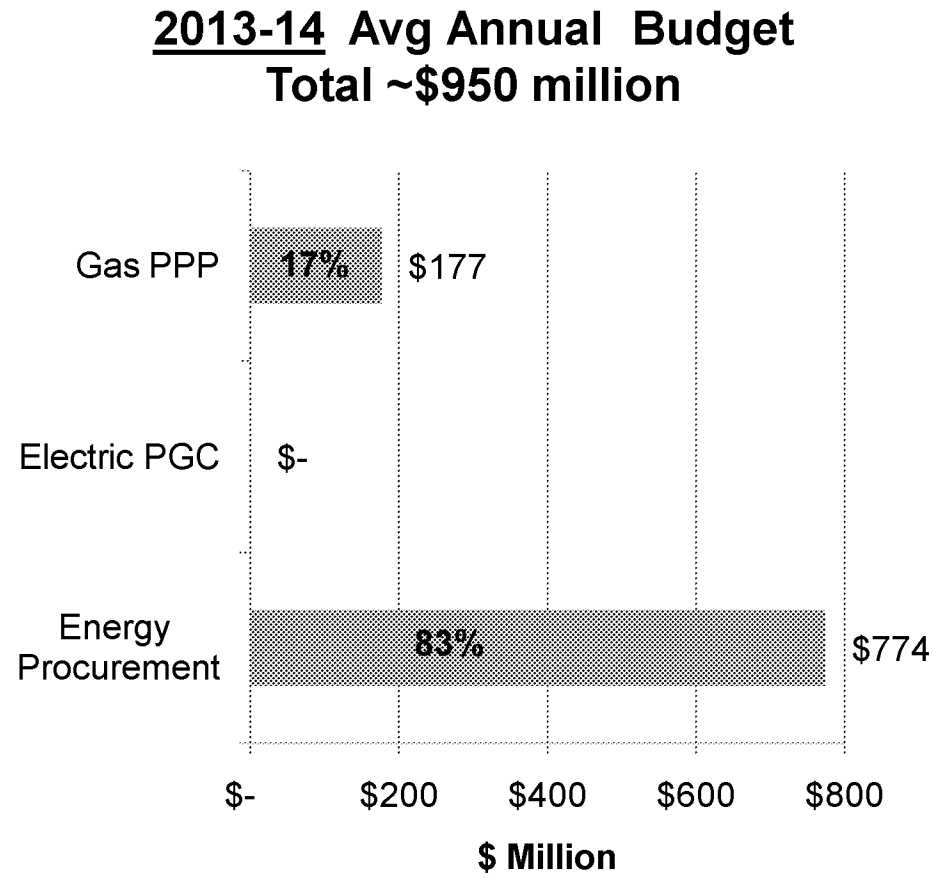


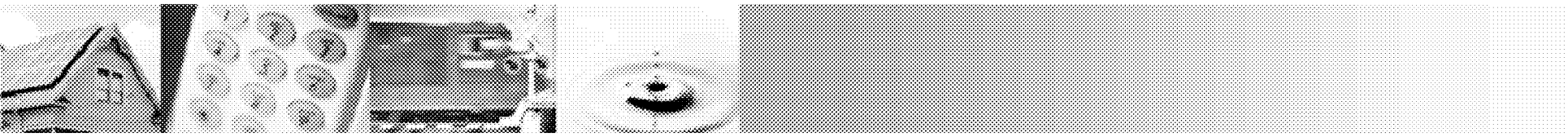
Example IOU Programs

Innovators	Early Adopters	Early Majority	Late Majority	"Laggards"
Emerging Technologies	Incentives	Incentives	Incentives	Codes and Standards
ZNE Pilots	Training	Mass marketing	Financing	
	Financing	Financing		

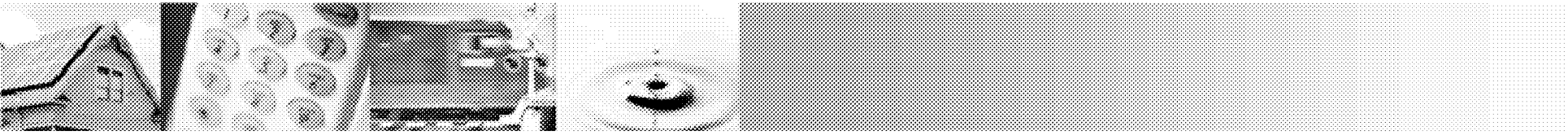
Funding Sources for Mainstream IOU Energy Efficiency Programs







Overview of IOU EE Programs



Key IOU Progam Design Requirements / Incentives

"Sticks": Legislative Requirements

- Portfolio budgets must be reviewed and approved by Commission
- IOUs must meet energy savings goals
- Portfolio must be cost effective
- Programs must meet the requirements of the portfolio guidance decision and pursue Strategic Plan objectives
- 20% of budget must be competitively bid by third party implementers

"Carrots": Utility Benefits

- Shareholder incentives
- IOUs get other "passive" benefits from EE programs (e.g., GHG, corporate "greenwashing," customer satisfaction, etc.)

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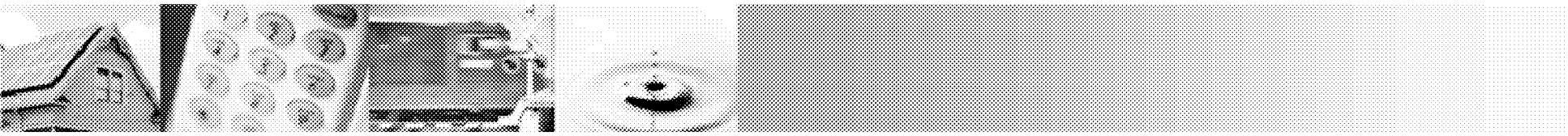
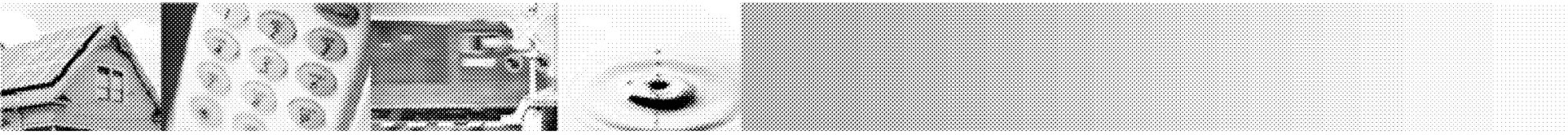


CPUC Process for Approval / Oversight of IOU EE Programs

- Multi-Year Budget Cycle

Policy Guidance	IOU Portfolio Applications	Portfolio Implementation
•Savings Potential / Goals •Portfolio cost effectiveness •Shareholder Incentives •20% Third-party •Strategic Plan / programmatic guidance	•Must meet savings goals •Budgets / Cost-effectiveness •Alignment with Strategic Plan	•IOU Administration •Energy Division EM&V / program implementation oversight

- Transition cycle: 2013-2014
- Next cycle: Post-2014



EE Program Characteristics*

BY SECTOR

	Budget ($ M)	Savings (GWh)
Agricultural	79	248
Commercial	510	1,112
Industrial	211	487
Residential	328	571
Govt Partnerships	256	267
Cross Cutting	585	1,019

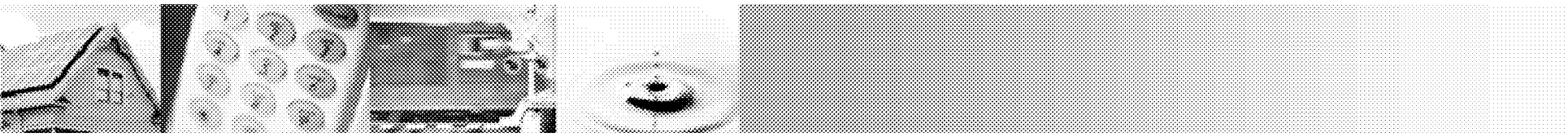
BY PROGRAM TYPE

	Budget ($M)	Savings (GWh)
Codes and Standards	28	870
Third Party Programs	304	679
Non-Residential Custom Projects	265	647
Government Partnerships	256	267
Lighting Programs	228	890
Financing Programs	190	109
HVAC	140	221
Plug Load and Appliances	104	229
Energy Advisor Program	100	295
Whole House Program	80	25
Non-Res Deemed Incentives	64	224
New Construction	35	6
Direct Install	21	41
Multi Family Rebates	17	62
RENs and CCAs	75	98
Workforce Education & Training	63	7
Emerging Technology Programs	39	0
Continuous Energy Improvement	14	0
Marketing, Outreach & Education	14	0
IDSM	8	0

BY PROGRAM DELIVERY

	Budget ($ M)	Savings (GWh)
Statewide	1,166	2,027
Third Party	538	1,408
Gov't partnership	252	267
RENs/CCA	75	98
Local IOU	13	2

*Data from 2013-14 Portfolio Applications. Approved budget was reduced by $200 million



2013-14 EE Portfolio Organization

IOU Portfolio
[92% of budget]

IOU Statewide Programs [62% of budget]

- •Residential
- •Commercial
- •Industrial
- •Agricultural
- •Lighting
- •Financing
- •Emerging Technologies
- •Codes & Standards
- •ME&O*
- •WE&T
- •IDSM

Utility "Local" Programs [1%]
- SDG&E (9)

Third-Party Programs [25%]
- PG&E (40)
- SCE (29)
- SDG&E (13)
- SCG (15)

State & Local Gov't Programs [10%]
- PG&E (24)
- SCE (30)
- SDG&E (7)
- SCG (20)

Non-Utility Portfolio
[4% of budget]

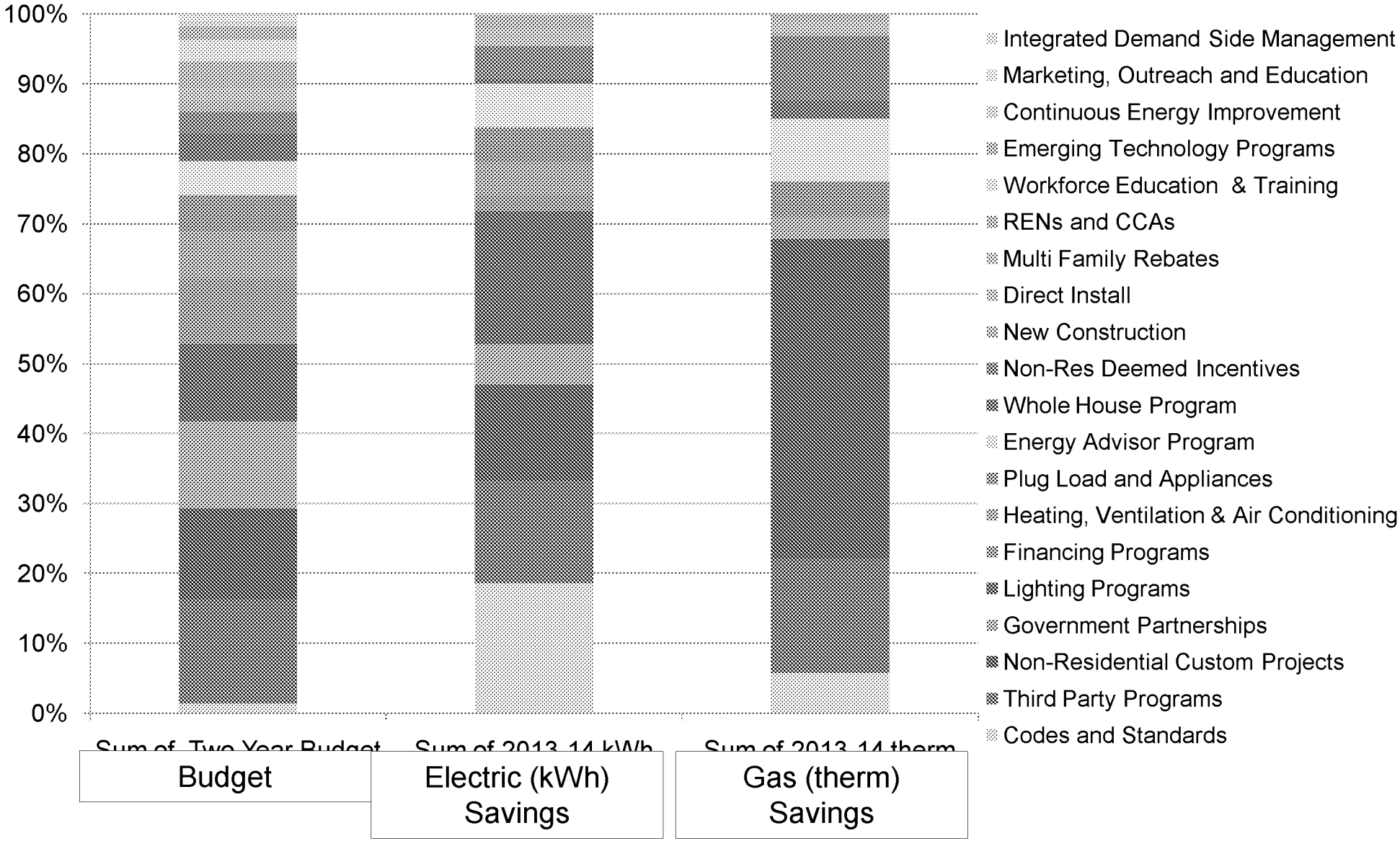
Regional Energy Networks
- SoCalREN ($44.8M)
- BayREN ($26.5M)

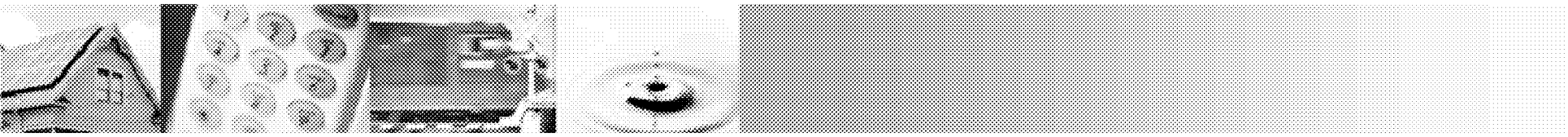
Community Choice Aggregator
- MEA ($4M)

Evaluation
[4% of budget]

[%] = Percent of total budget ($1.9B Total)
(#) = Number of individual programs
* ME&O budgets are currently pending in an application before Commission

2013-14 IOU Programs: Budget and Savings





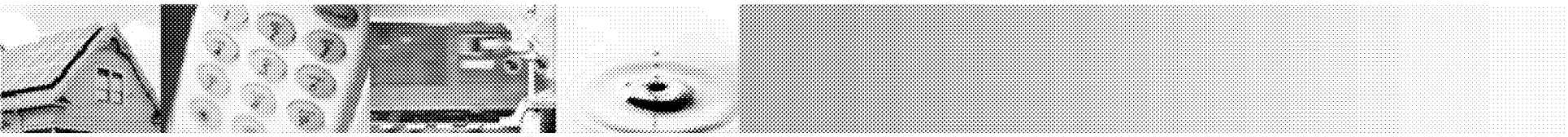
New Strategic Program Direction

New Strategic Programs

- Financing (OBF, new pilots)
- Whole-house
- Behavior (OPower energy reports)
- Integrated (EE/DR/DG) on-line audits
- Retro-commissioning
- Continuous Energy Improvement
- ZNE pilots
- LGP SP pilots

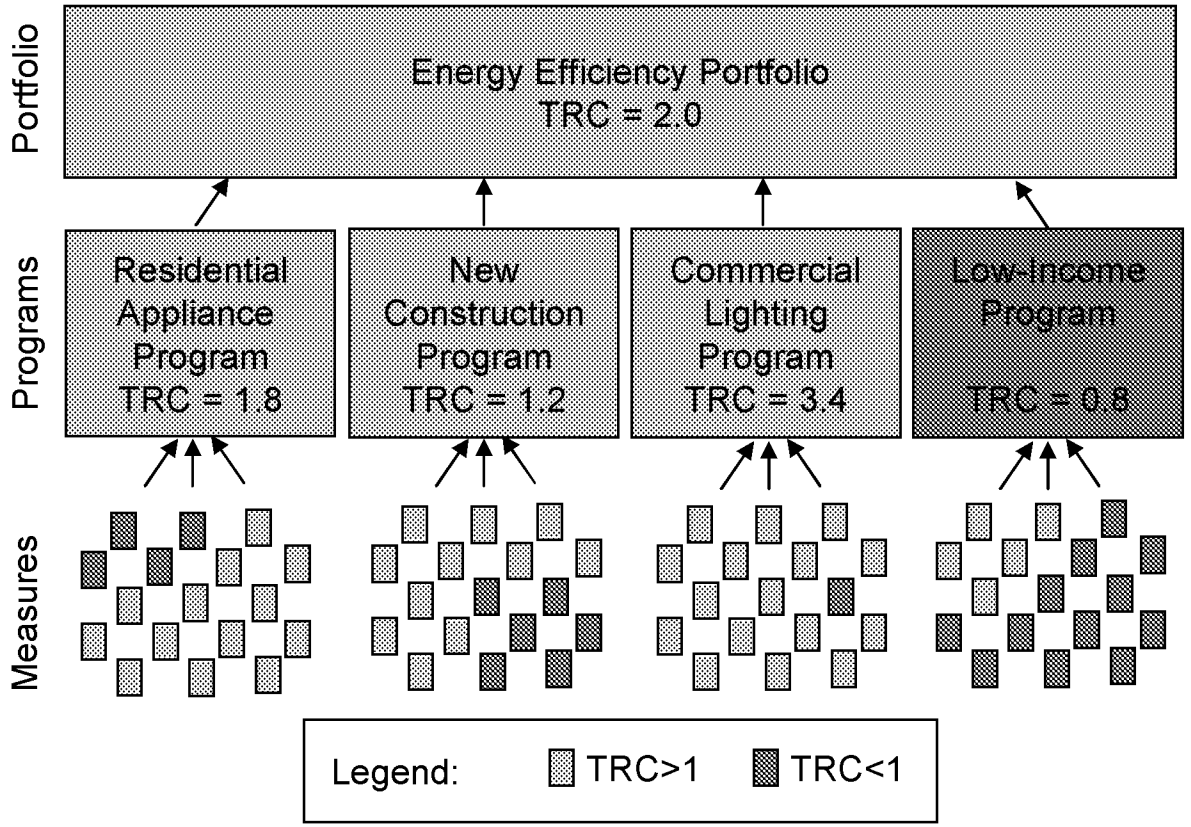
Continuing Programs

- "Widget" rebates ($/widget)
- Calculated rebates ($/kwh, $/them)
- "Upstream" mfr / distributor buy-down
- New construction
- Direct install
- State & institutional partnerships

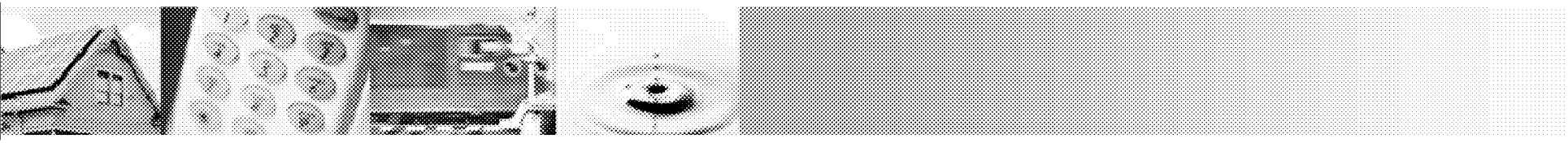


Cost-Effectiveness

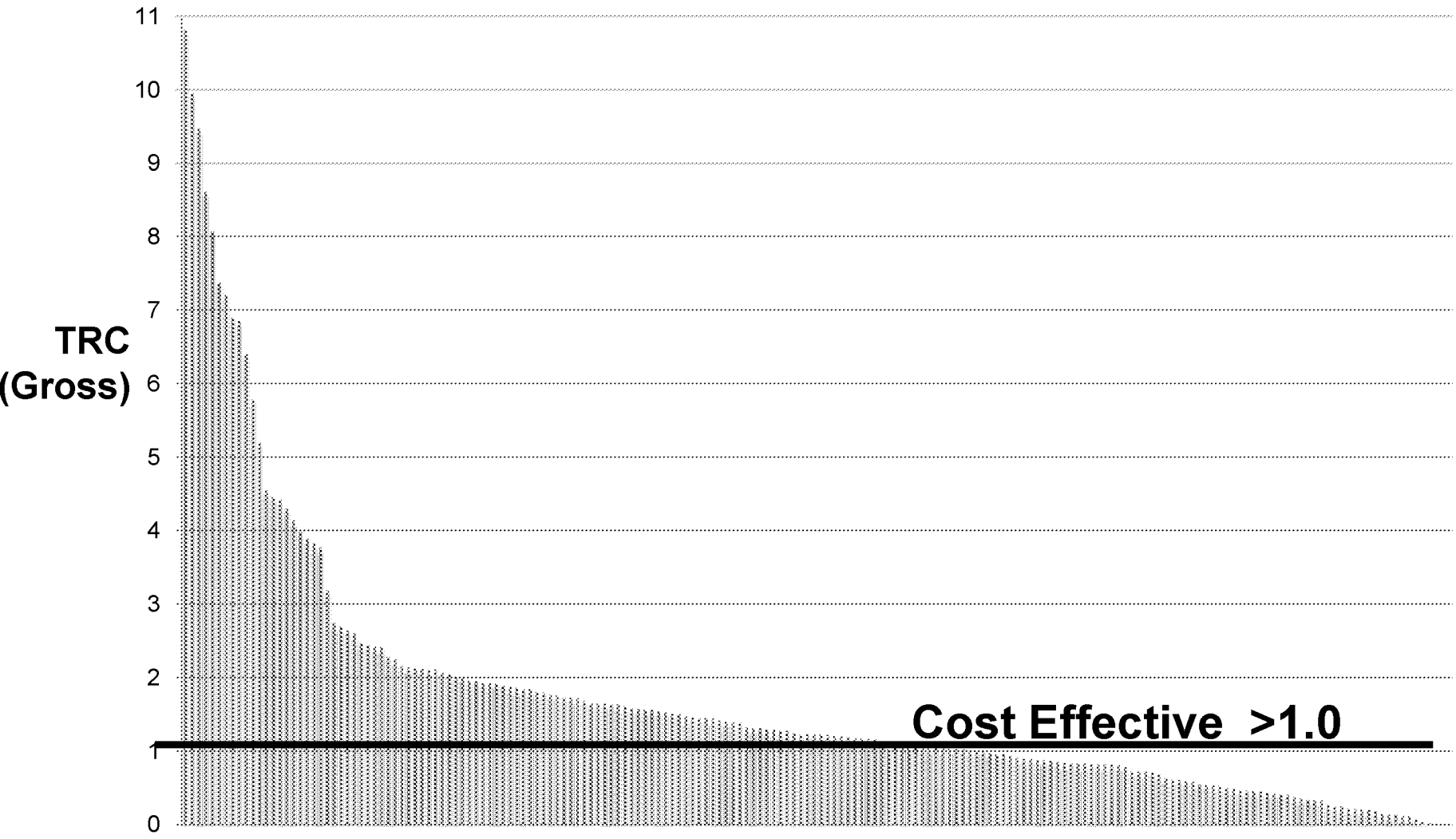
CPUC determines EE cost-effectiveness at the portfolio-level and on a "net" basis



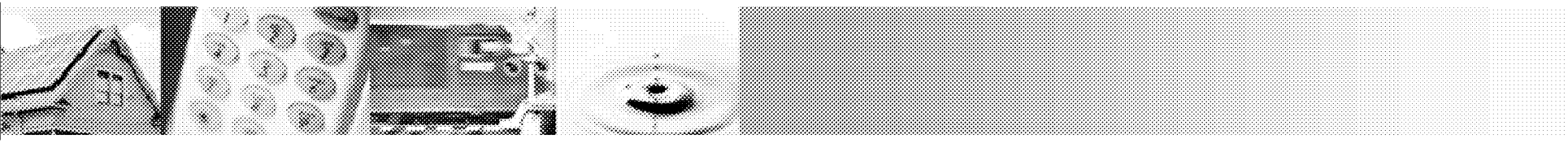
- Portfolio approach allows for inclusion of individual programs or measures that do not past cost test (EUC, ETP, new construction, etc.)
- Prospective "dual test" showing examines both TRC and PAC
- Commission determines actual TRC threshold deemed sufficient



Benefit-Cost Ratios
2010-2011 EE Portfolio Savings Claims*

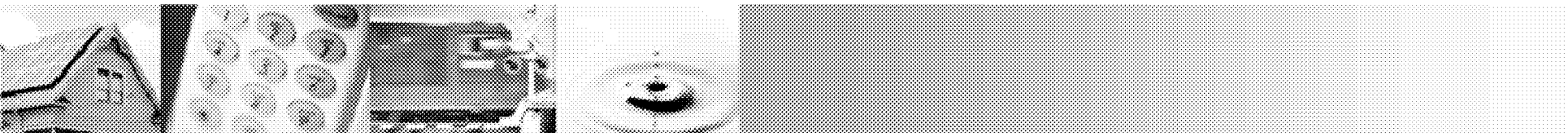


*Source: 2010-11 Annual Energy Efficiency Progress Report

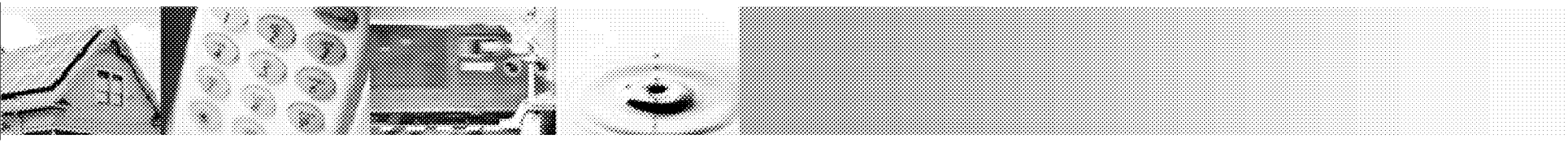


Cost-effectiveness "frontiers"

1. **Current methods to quantify energy savings** (from which avoided costs are derived) do not include:
   - "Spill-over" – Savings that results when program participants and/or nonparticipants adopt measures without obtaining any customer incentive as a result of some exposure to the incentive programs
   - Difficult to quantify / demonstrate with certainty
   - Well within statutory mandates
2. **Current EE cost-effectiveness tests** do not include the value of **societal non-energy benefits** (e.g., job creation, labor productivity, tax receipts growth, housing value, other env benefits), other than GHG benefits
      - Participant non-energy benefits (e.g., comfort, health, and safety) are accounted for in the NTG methodology, which allocated participant costs and benefits according to influence factors.
   - Difficult to quantify / demonstrate with certainty
   - Statutory mandates for authorizing ratepayer EE programs address energy savings, system reliability, and environmental benefits.



EE Goals

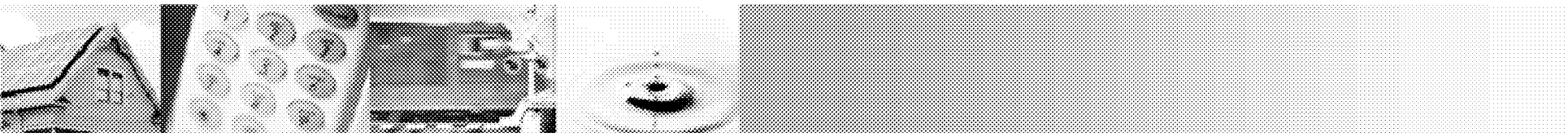


EE is at the top of the "Loading Order"

IOUs must achieve All Cost-Effective EE:

- PUC Sec 454.5 requires that IOUs "meet unmet resource needs with all available EE and demand reduction that is cost-effective, reliable, and feasible."

- PUC Sec 454.55 / 454.56 requires CPUC to establish targets for the IOUs to achieve all cost-effective electric / gas EE



How EE goals are set

Potential Study

Technical Potential

Assessment of total energy savings available by end use and sector, relative to the baseline of existing energy uses

Economic Potential

Assessment of cost-effective EE potential available

Market Potential

DEER and non-DEER work papers

Avoided Cost Calculator Outputs

Willingness/ Awareness data

C&S Savings model

2013-14 Goals & Targets

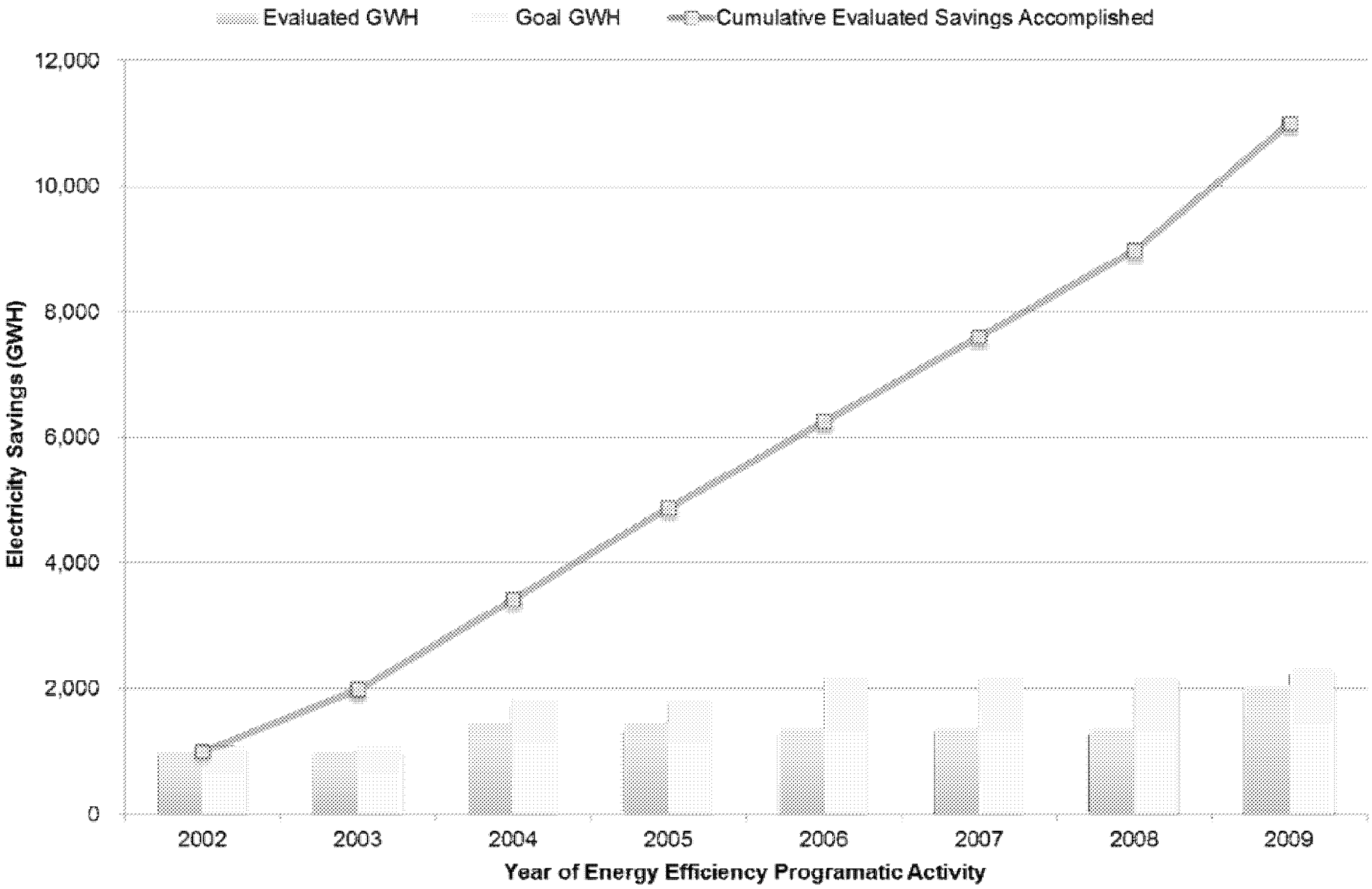
for post-2014 planning…

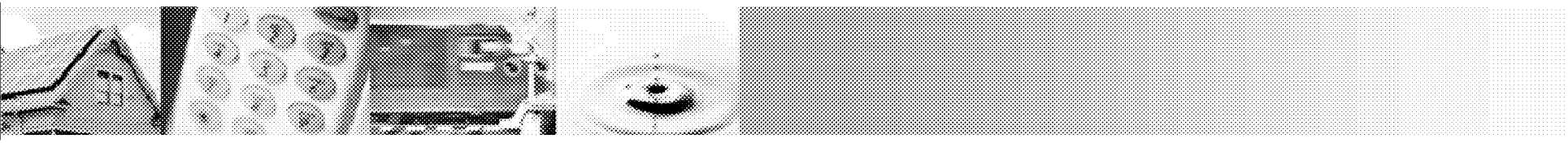
Goals Study

Potential study update (ET) +
C&S savings update +
Financing model +
Strategic Plan initiatives

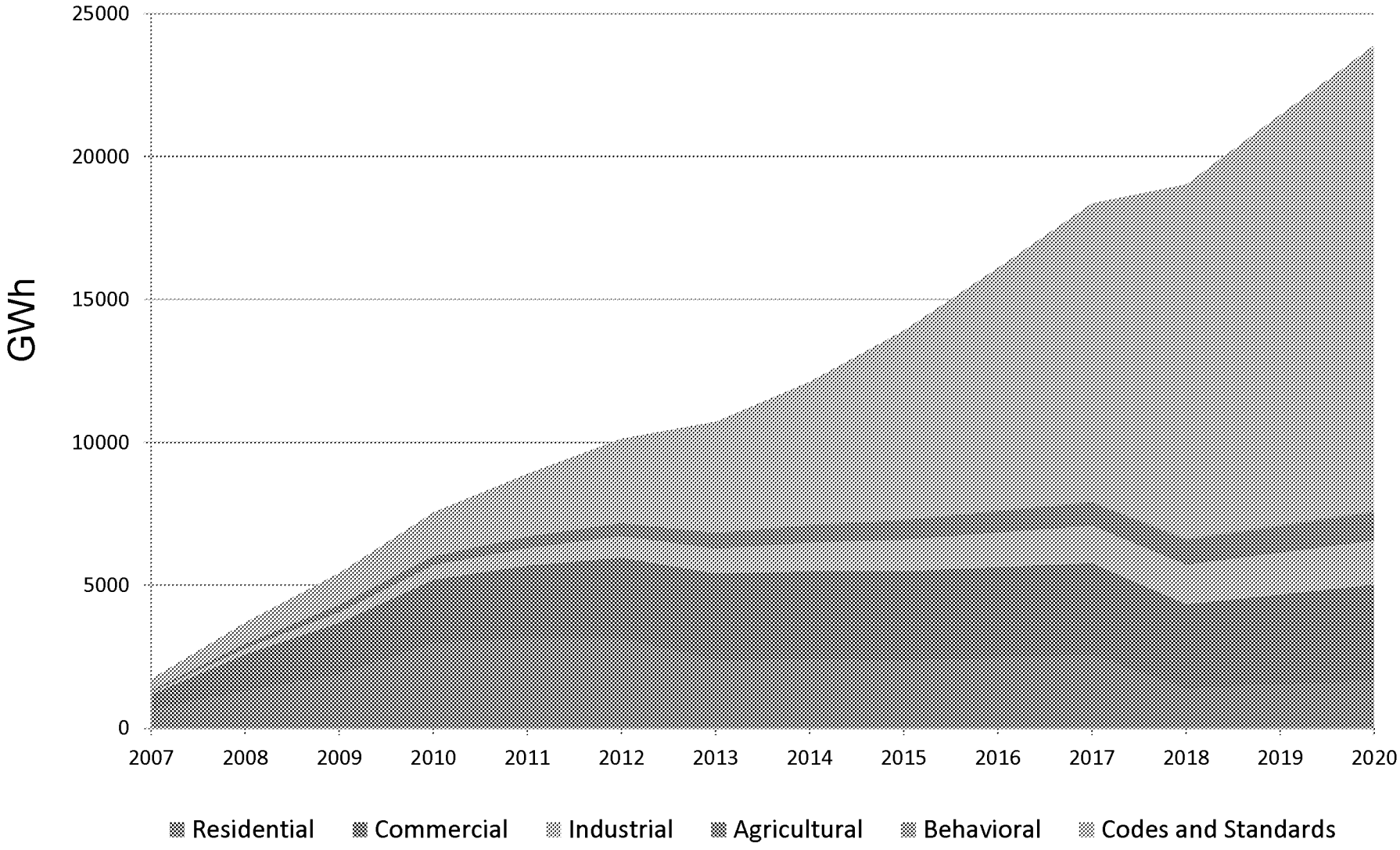
Attribution Analysis
Scenario Analysis

IOU EE Program Goals and Results, 2002-09

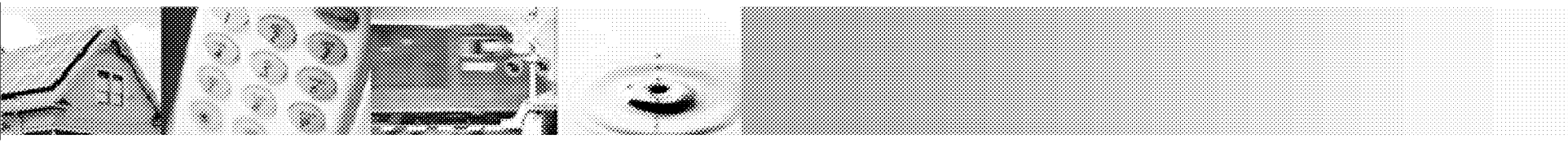




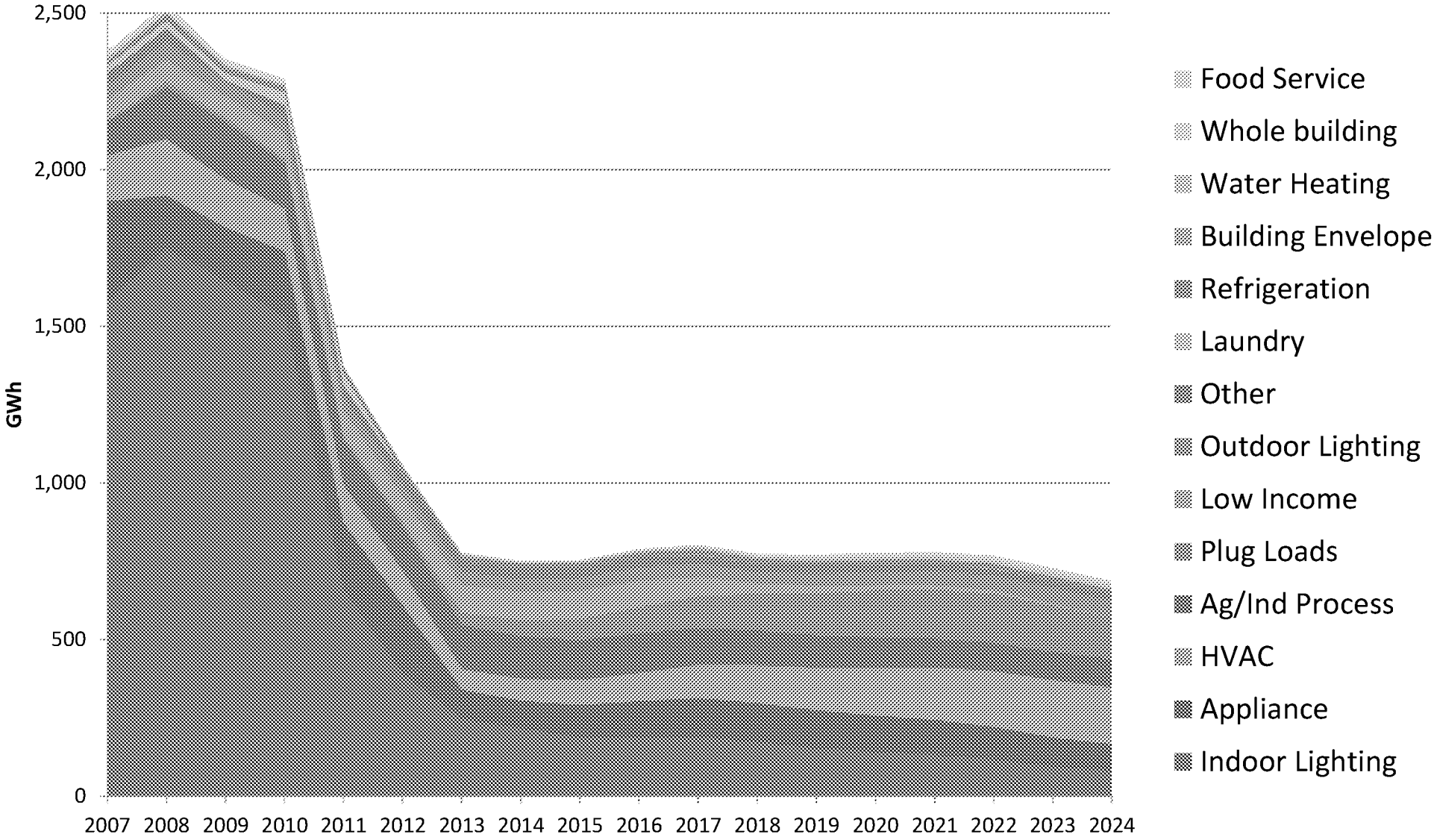
Potential Study: Major Shift of Market Potential into Codes & Standards



Source: Navigant, 2011 Potential Study

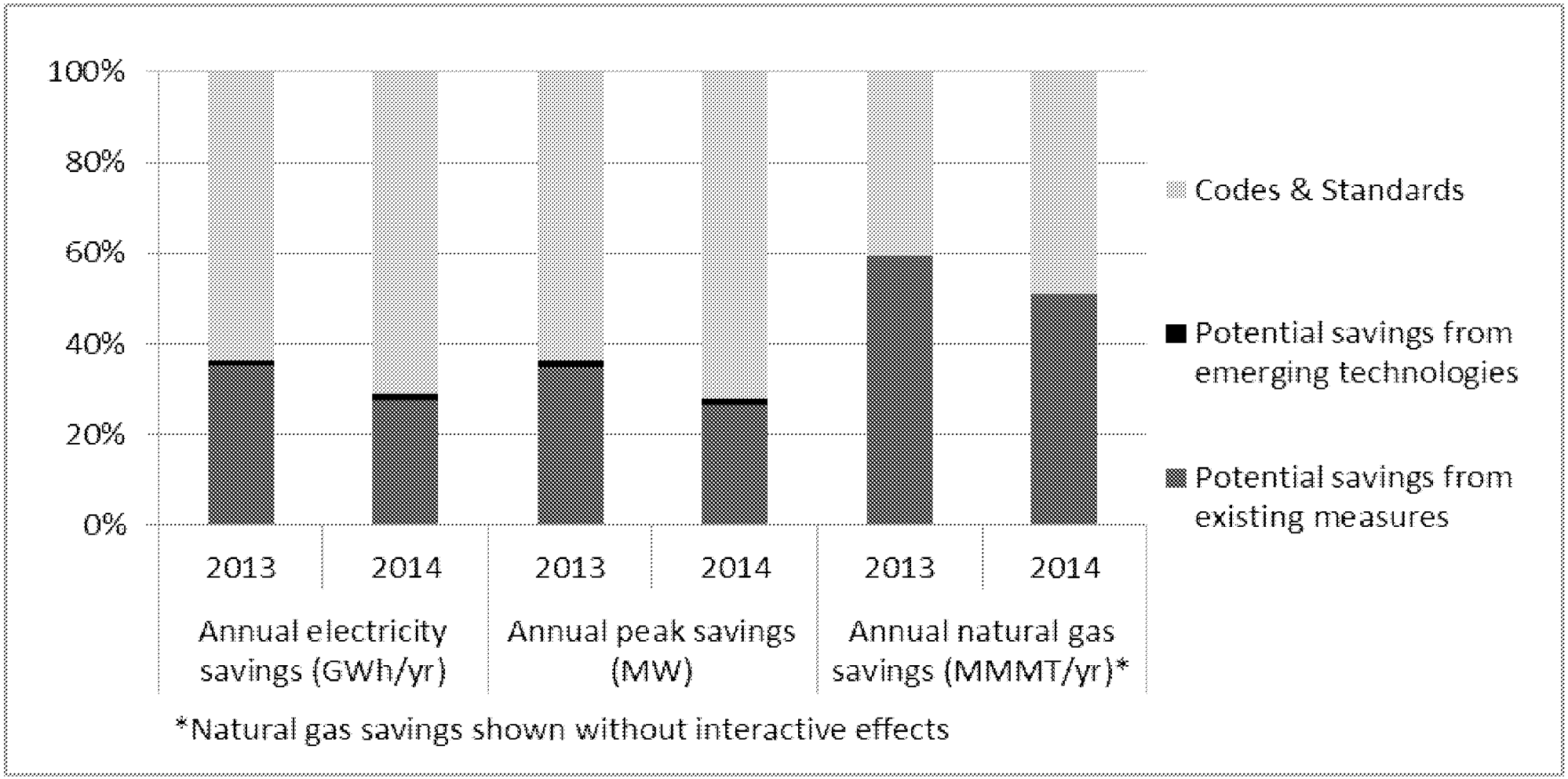


Potential Study: CFL Market Potential, once available to IOU Programs, now transitioning into code



Source: Navigant, 2011 Potential Study

IOU 2013-14 EE Goals



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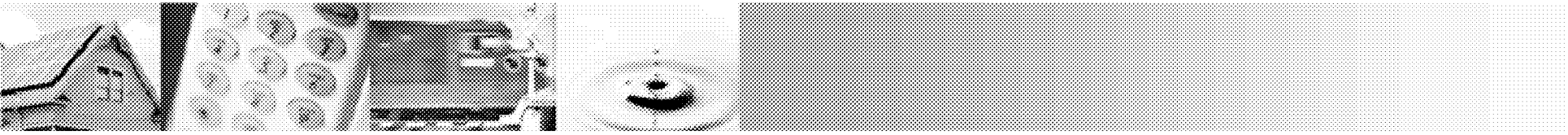
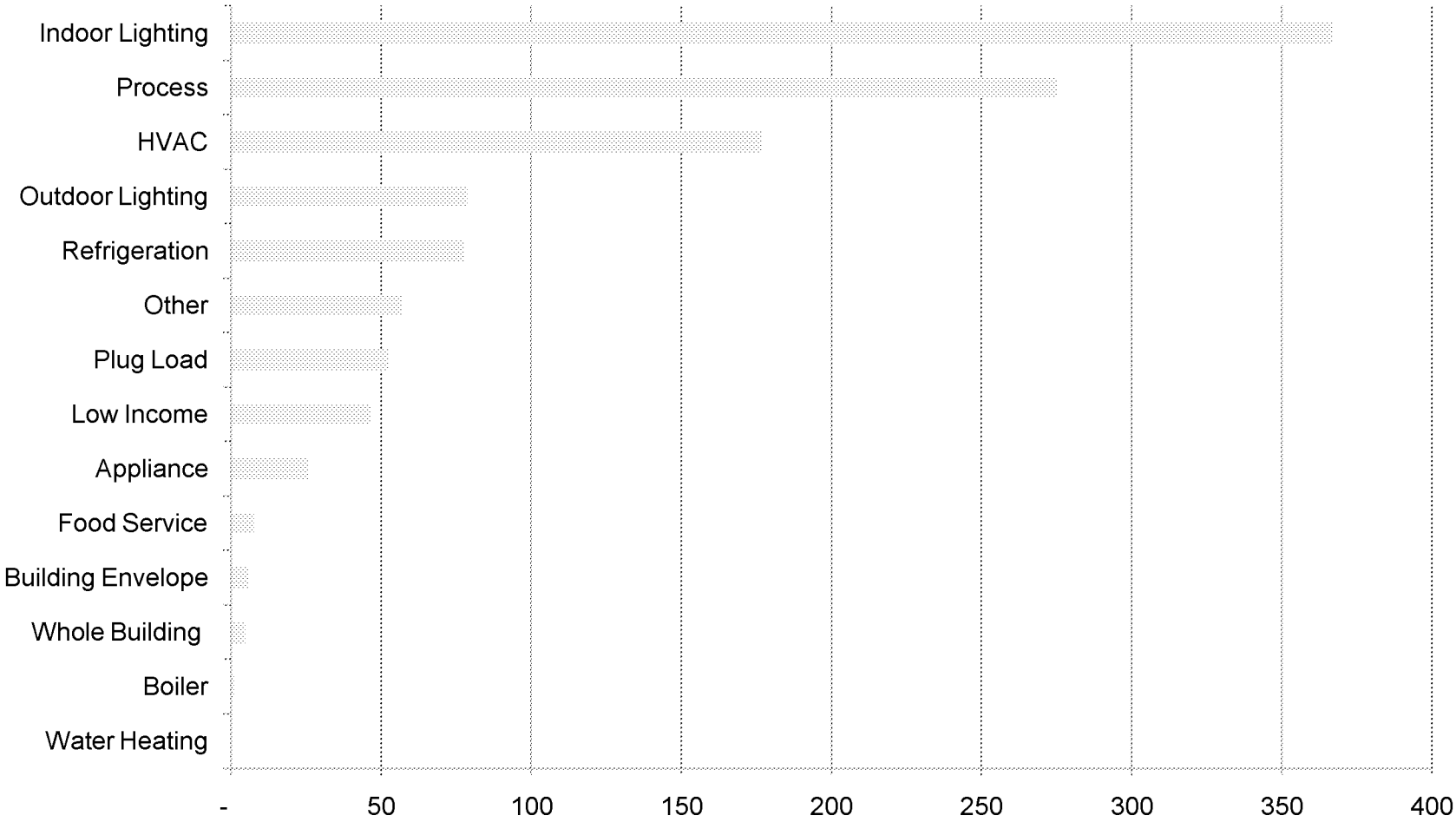
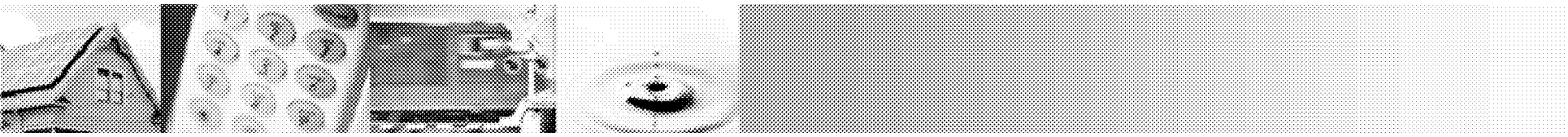
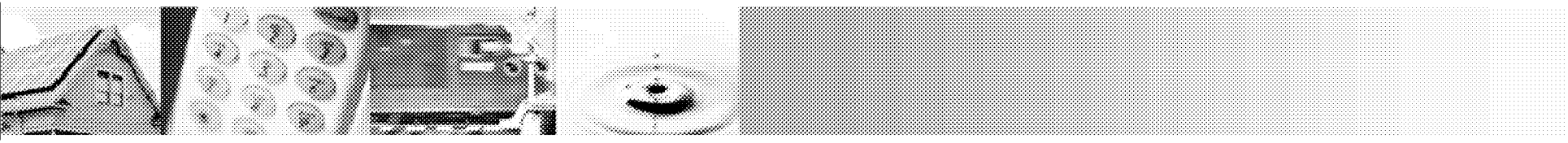


2013 Potential by Measure Type





Evaluation Measurement and Verification (EM&V)



Application of EM&V results to future portfolio design

Increasing reliability of future savings estimates

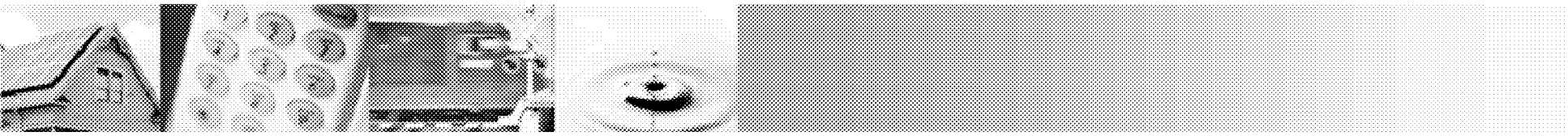
- Updating program planning values in order to create more accurate ex-ante projections of likely savings in the next program cycle
- Making procurement demand forecast estimates more accurate

Improving program efficacy

- Providing performance information to program administrators
- Identifying measures that are not cost-effective for removal or reduction in the portfolios
- Improving program processes and implementation so delivery inefficiencies are reduced or eliminated
- Developing feedback on new programs or measures for which good data does not yet exist

Providing market feedback

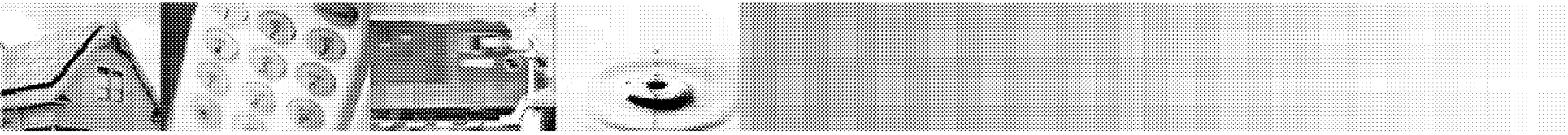
- Assessing the potential for remaining energy savings
- Monitoring changing market conditions to inform program design
- Constructing trend data on target markets for use in strategic planning and guidance for the next cycle



EE Evaluation, Measurement and Verification (EM&V) "101"

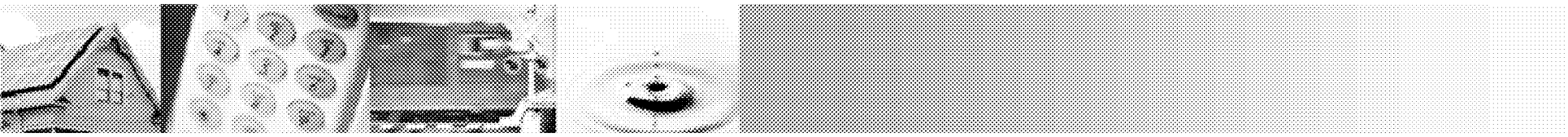
- **Impact Evaluation** is used to verify energy savings through field research. Key aspects investigated are:
  - Installation Rates (*How many units got installed?*)
  - Unit Energy Savings (*What savings were achieved?)* –Factors include baseline, expected life, operating hours, peak time effects)
  - Program influence or Attribution (*To what extent did the program cause the action?)* -- Compared to other motivating factors, such as natural market changes, vendor advertising, price effects, environmental effects, etc.?)

- **Lessons Learned** are applied to future program designs & implementation strategies, including:
  - Updated energy savings expectations
  - Insight into customer segments with highest savings potential
  - Profiles of customers unlikely to take action without utility program facilitation



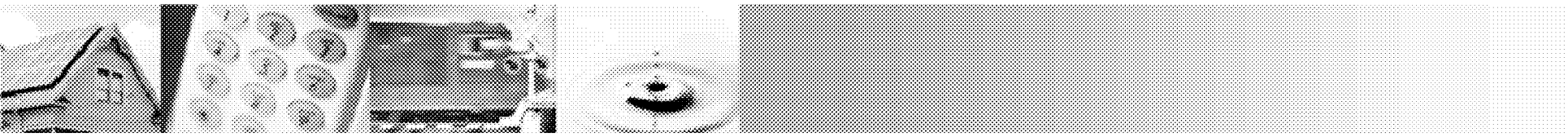
Improvements to EM&V Administration that were Implemented in 2010-2012

- First ever EM&V Work Plan – a living document developed in close collaboration with IOUs
- Evaluation needs integrated efficiently into multi-faceted studies
- Studies implemented on staged, rolling basis
- Stakeholder input scheduled; dispute resolution structure set up
- Prime contractor administrative structure to ensure consistency across sampling methodologies , identify study synergies, eliminate redundancy



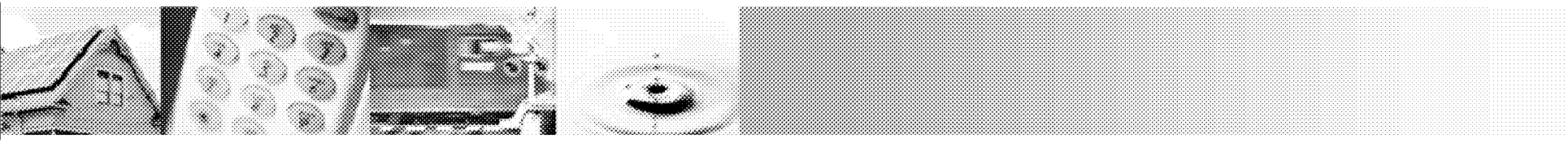
Net To Gross (NTG) Ratio

- Net to gross ratio may derate the program impacts significantly
- Key factors addressed through the net-to-gross ratio are:
  - Free Riders
  - Spillover / “Market effects”
  - Underlying participant motivations (including non-energy benefits)
  - Installation Rate
  - Persistence/Failure
  - Rebound / Take Back Effect
- Impact evaluations assess NTG ratios and inform planning parameter updates (DEER, etc.)



Tracking Progress and Evaluation

- Data has been collected on energy efficiency savings and participation since the inception of these programs
- Pre 2006 IOUs maintained all of the data but reported on regular intervals to the Commission
- Starting in 2006 Energy Division started maintaining a centralized data set of the energy efficiency activities and started reporting on the full statewide activity:
  - The monthly data is available on the Energy Efficiency Groupware Application "EEGA" and can be queried and searched on the "Savings" tab. http://eega.cpuc.ca.gov
  - Quarterly data is also reported to the Commission which details every technology that has been installed, including, savings, costs, and location.



Tracking Progress and Evaluation (cont'd)

We have also developed comprehensive summary reports that detail program impacts and other key findings.

- **2010-2011 Energy Efficiency Progress and Evaluation Report**

  http://www.cpuc.ca.gov/NR/rdonlyres/89718A1B-C3D5-4E30-9A82-74ED155D0485/0/EnergyEfficiencyEvaluationReport.pdf

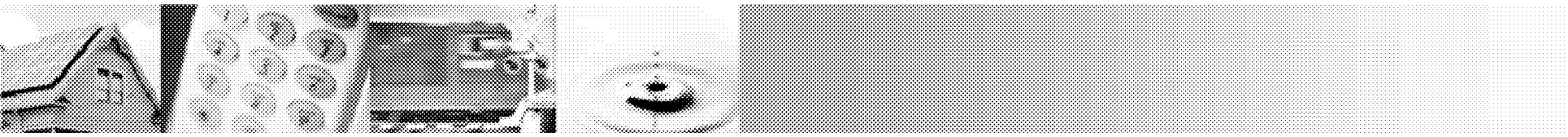
- **2009 Energy Efficiency Evaluation Report**

  http://www.cpuc.ca.gov/NR/rdonlyres/D66CCF63-5786-49C7-B250-00675D91953C/0/EEEvaluationReportforthe2009BFPeriod.pdf

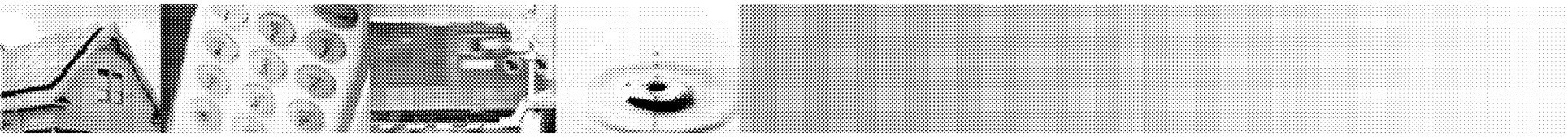
- **2006-2008 Energy Efficiency Evaluation Report**

  ftp://ftp.cpuc.ca.gov/gopher-data/energy%20efficiency/2006-2008%20Energy%20Efficiency%20Evaluation%20Report%20-%20Full.pdf

Findings are used to inform improvements to programs, inform the CEC load forecast and are reported to Cal EPA to track progress against the AB32 goals.

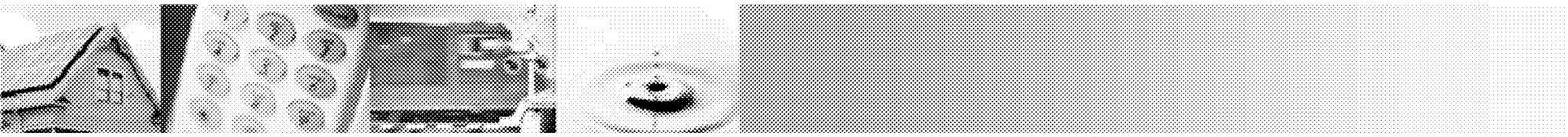


Shareholder Incentives

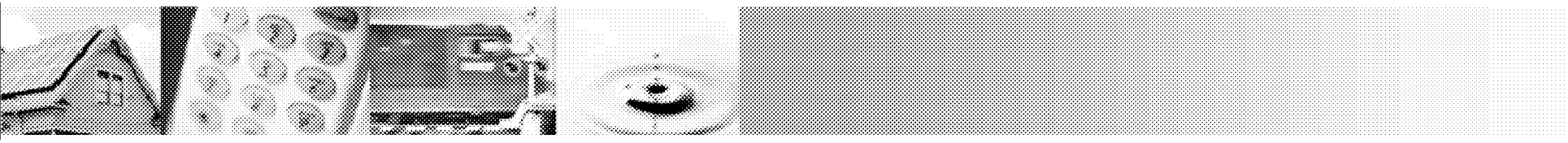


Recent Shareholder Incentives

- 2006-08 mechanism
  - Shared savings rate based on goals accomplishment
  - Performance basis based on ex post net benefits
- 2006-08 / 09 payments based on ex ante
- 2010-12 options
  - ALJ PD – No incentives
  - Alternate PD – Management fee with performance bonus tied to ex ante review
- 2013-14 - Pending



Energy Division Organizational Chart and Staffing



Energy Division Staffing of Demand-Side Management Group

Demand-Side Programs Branch
Manager: *Simon Baker*

Demand-Side Analysis Branch
Manager: *Pete Skala*

17 EE Positions

Residential Programs
(EE, ESAP, DR)
Supervisor: *Hazlyn Fortune*

Non-Residential Programs
(EE, DR)
Supervisor: *Bruce Kaneshiro*

Customer Generation Programs
(DG)
Supervisor: *Melicia Charles*

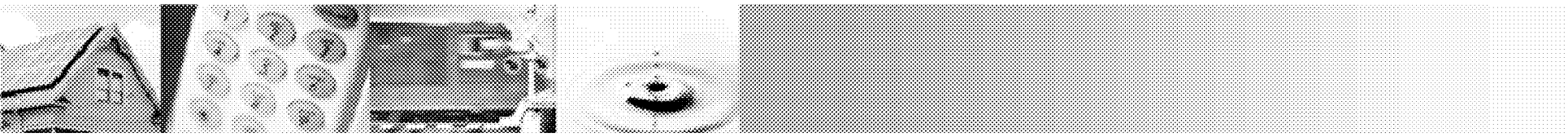
Integrated Demand-Side Analysis
(EE, ESAP, DR, DG)
Supervisor: *Jaclyn Marks*

Demand-side Evaluation
(EE, ESAP, DR, DG)
Supervisor: *Carmen Best*

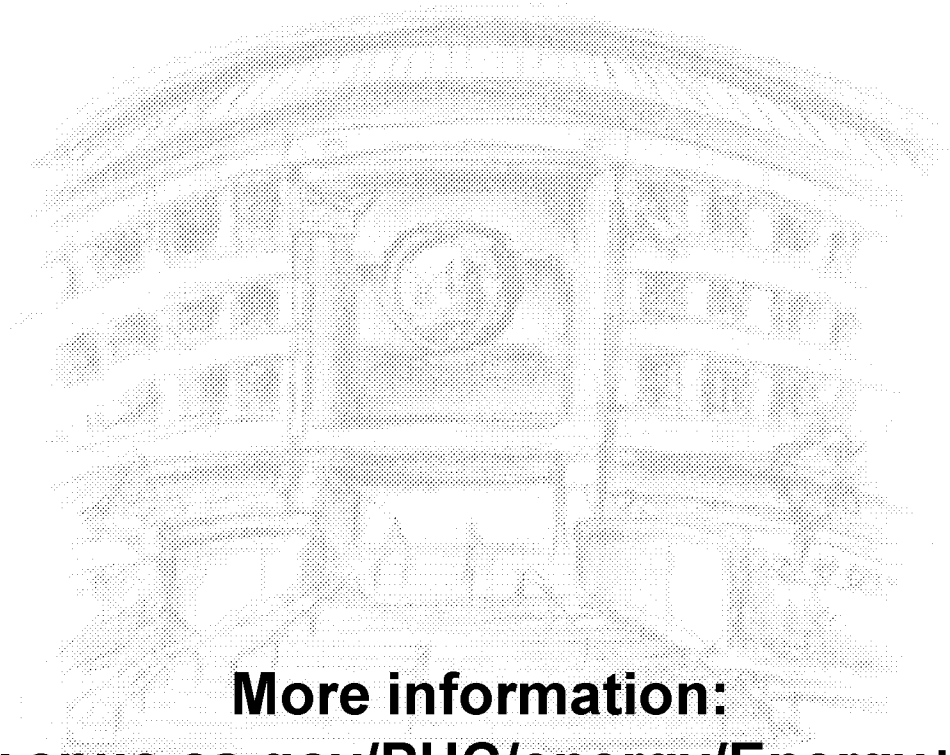
Retail Rate Design
Supervisor: *Paul Phillips*

EE-Related Sections

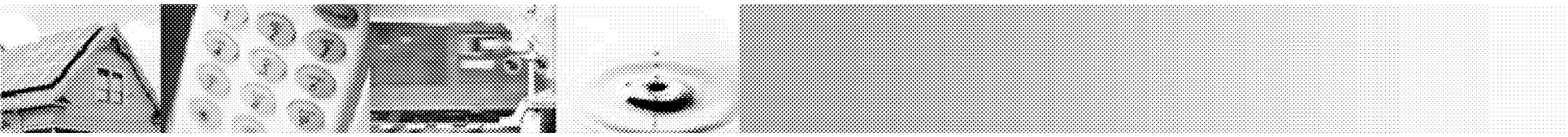
ESAP = Energy Savings Assistance Program
DR = Demand Response
DG = Distributed Generation (CSI Solar & SGIP)



Thank You

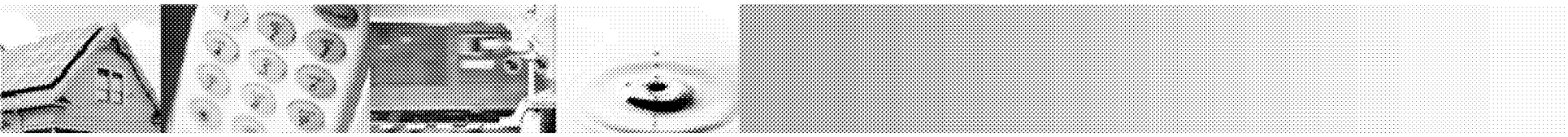


More information:
http://www.cpuc.ca.gov/PUC/energy/Energy+Efficiency/



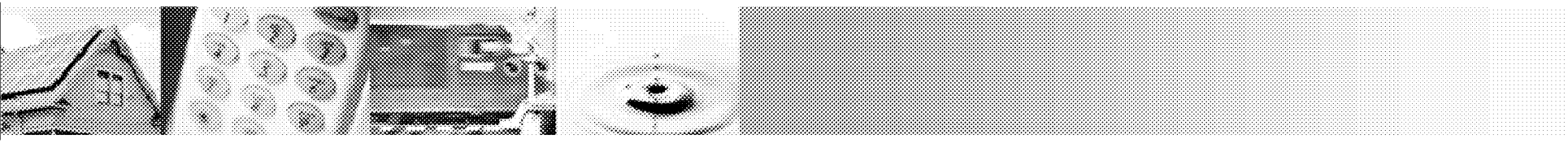
Appendices

- Evaluation Reports Available to the Public
- Cost-Effectiveness Tests



Evaluation Reports Available to the Public

CPUC02599



2010-2011 Energy Efficiency Progress and Evaluation Report

Interim report on progress toward goals, savings, and cost effectiveness by sector on the energy efficiency portfolio. The data contained in the report is based on IOU reported savings not evaluation –verified savings. The report summarizes key findings from recent evaluations and links to full reports.

Author: Energy Division (hereafter ED). Date: August 2012

Link: http://www.cpuc.ca.gov/NR/rdonlyres/89718A1B-C3D5-4E30-9A82-74ED155D0485/0/EnergyEfficiencyEvaluationReport.pdf

2009 Energy Efficiency Evaluation Report

Final report on achievement of goals, savings, and cost effectiveness statewide and by IOU for the 2009 bridge funding year. The data contained in the report is based on evaluation based values from the 2006-2008 evaluation work. *Author: ED. Date: January 2011*

Link: http://www.cpuc.ca.gov/NR/rdonlyres/D66CCF63-5786-49C7-B250-00675D91953C/0/EEEvaluationReportforthe2009BFPeriod.pdf

2006-2008 Energy Efficiency Evaluation Report

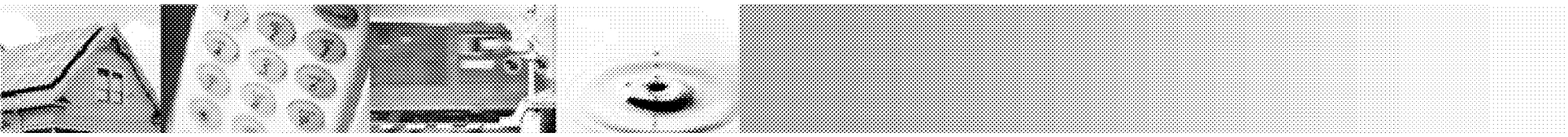
Final report on achievement of goals, savings, and cost effectiveness statewide and by IOU for the 2006-2008 program cycle. The data contained in the report is based on data gathered from field based evaluations and review of the operating conditions for the portfolio. *Author: ED. Date: July 2010*

Link: ftp://ftp.cpuc.ca.gov/gopher-data/energy%20efficiency/2006-2008%20Energy%20Efficiency%20Evaluation%20Report%20-%20Full.pdf

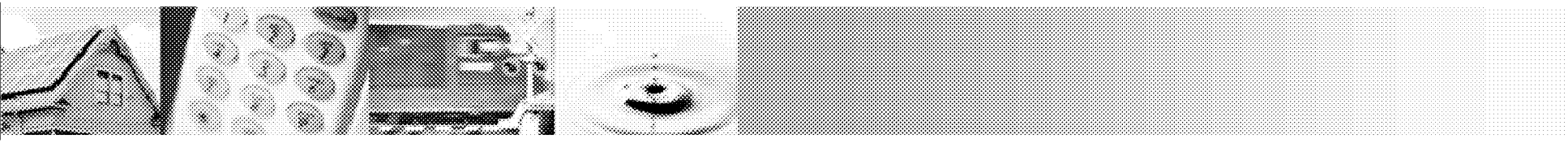
2002-2003 Meta Evaluation Report

Final report the evaluation results and methods used in the 2002-2003 program cycle by the IOUs and their contractors. A summary of the total evaluation adjusted savings for the portfolio is included in the report and supporting data also summarizes the savings reported and evaluated for all programs that were evaluated. *Author: TecMarket Works. Date: January 2006*

Link: http://www.calmac.org/publications/MECT02-03FinalReport.pdf

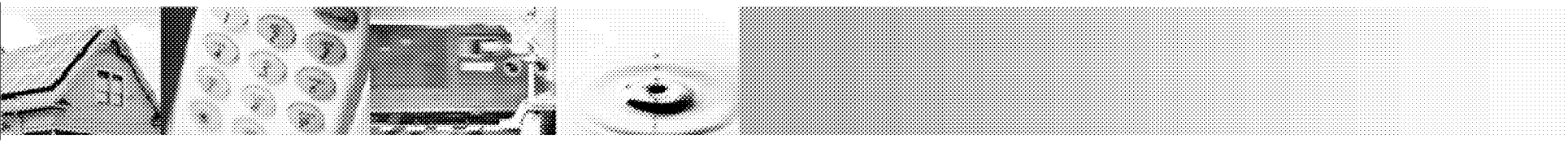


Cost-Effectiveness Tests



Standard Practice Manual (SPM) Cost Tests

Cost Test		Key Question Answered	Summary Approach
Total Resource Cost	TRC	**Will the total costs of energy in the utility service territory decrease?**	**Comparison of program administrator and customer costs to utility resource savings**
Participant Cost Test	PCT	**Will the participants benefit over the measure life?**	**Comparison of costs and benefits of the customer installing the measure**
Utility/Program Administrator Cost Test	UCT/ PAC	**Will utility bills increase?**	**Comparison of program administrator costs to supply side resource costs**
Ratepayer Impact Measure	RIM	**Will utility rates increase?**	**Comparison of administrator costs and utility bill reductions to supply side resource costs**
Societal Cost Test	SCT	**Is the utility, state, or nation better off as a whole?**	**Comparison of society's costs of energy efficiency to resource savings and non-cash costs and benefits**



Summary of Costs and Benefits

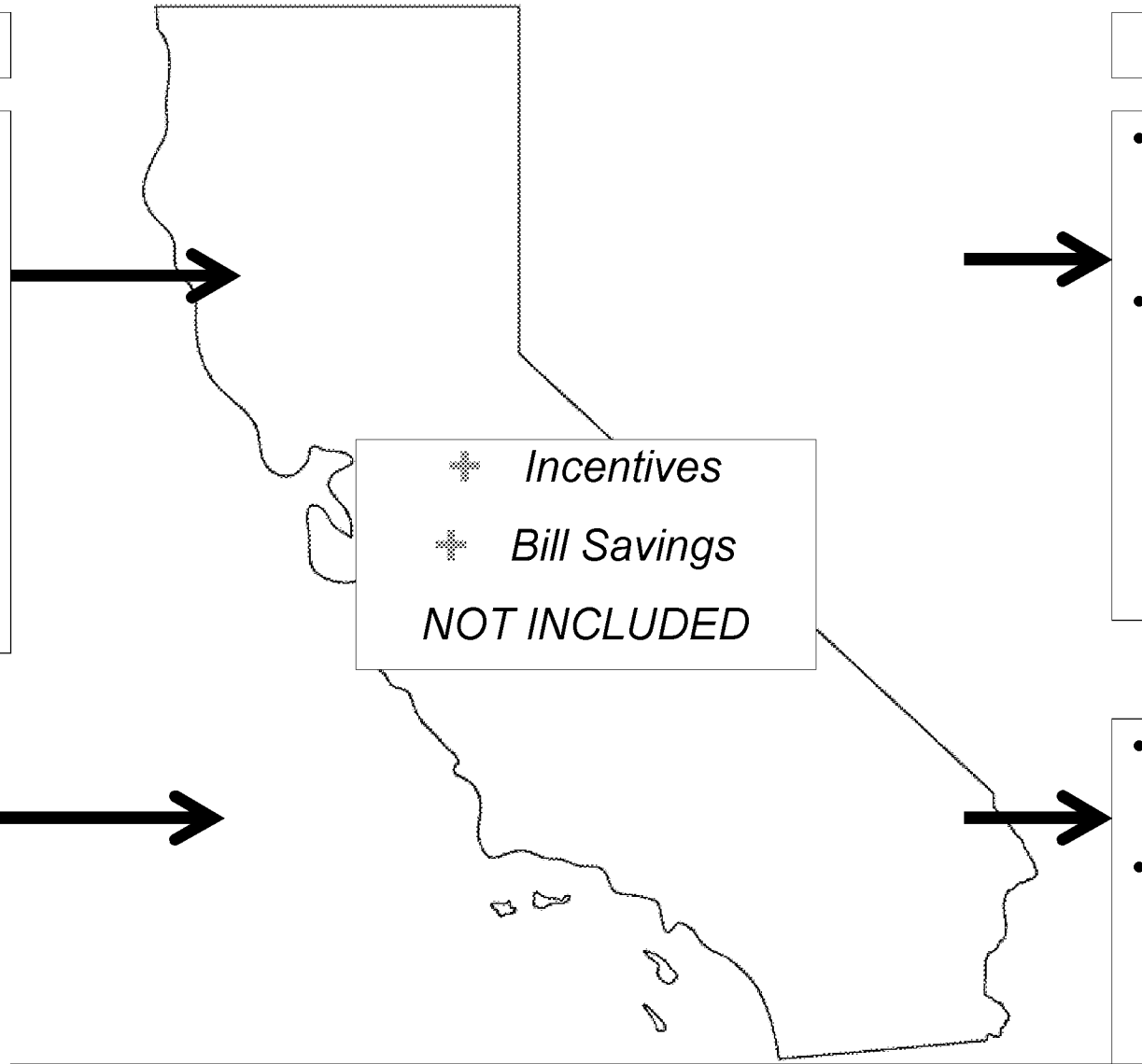
Component	TRC	PCT	PAC	RIM
Energy and capacity	Benefit	-	Benefit	Benefit
Additional resource savings	Benefit	-	-	-
Non-monetized benefits		-	-	-
Equipment and install costs	Cost	Cost	-	-
Program overhead costs	Cost	-	Cost	Cost
Incentive payments	-	Benefit	Cost	Cost
Bill Savings	-	Benefit		Cost

Total Resource Cost Test

Benefits

- Energy
- Capacity
- T&D
- GHG
- Losses
- RPS Purchases

- O&M Savings
- Other Resource Benefits



+ Incentives

+ Bill Savings

NOT INCLUDED

Costs

- Admin & Overhead Costs
- EM&V

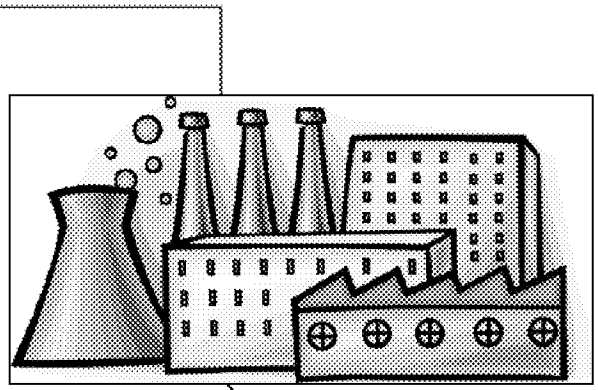
- Equipment Costs
- O&M Costs

Net Benefits to Region as a Whole?

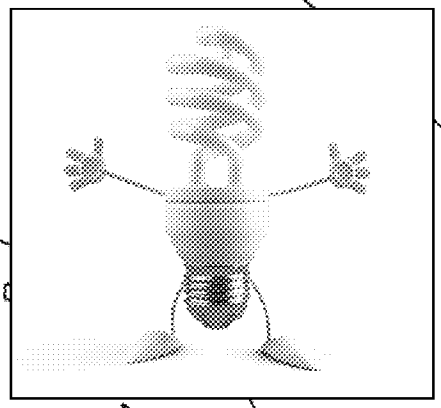
Program Administrator Cost Test

Benefits

- Energy
- Capacity
- T&D
- GHG
- Losses
- RPS Purchases



\+ Incentives



Costs

- Admin & Overhead Costs
- EM&V

Is Program Cheaper Than Other Sources of Energy?

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 3:18 PM
To: Colvin, Michael <michael.colvin@cpuc.ca.gov>; Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Subject: RE: CFEE talking point ideas

All good points, Michael. They are good take-away themes, though I also think they fall more in the Energy 101 camp. (:>)
I expect Mark can weave in both the basics and the important take-aways. Perhaps the preceding panel and Andrew's opening remarkes will make it easier to cover ground at a good clip.

Note: the RENs are expanding the nature of competition. We already have a 20% min spend on third-party programs which was envisioned as a key policy in 2004/05 for keeping the utilities' programs "honest" and leaving room for new ideas, innovative business models, cost management. Now, maybe by letting the fox pick the chickens (TPs), we don't exactly get head-to-head competition. But just for historcal note, RENs are EXPANDING the Commisison's notion of competition. The other important point about local governments is that they have natural advantages to relate to their communities in ways that utilities and private companies/contractors don't.

I've categorized Michael's last 3 points into their grade-levels. (:>)

Perhaps the combined outline would look like:

1. Energy resource economics, incl EE is cheap (on paper), effective cost per kWh or therm, contribution to GHG emission reductions
2. The challenge of transforming and mobilizing the market, accessing private capital (financing), encouraging effective and affordable business model solutions
3. CPUC role vis-à-vis encouraging innovation, transformation and prudent use of (limited) ratpayer $.
    - Incl. how CPUC must have "light touch" on specifics of EE programs, emphasizing broad policies and principles, given both details of EE programs and market, and huge bandwidth of CPUC institutional responsibilities (and realtive to modest staff levels)
4. [Energy 101/201:] Process and metrics for mainstreaming EE (and DR) in the energy resource market, including what does "success" look like?

Jeanne

From: Colvin, Michael
Sent: Wednesday, April 17, 2013 2:47 PM
To: Ferron, Mark J.
Cc: Clinton, Jeanne
Subject: CFEE talking point ideas

Some talking points suggestions from Jeanne for CFEE are below – thanks Jeanne, as always! I have a slightly different bent and so am adding mine on top of Jeanne's fantastic outline below. Hopefully, you can steal from both and "ferronize" it accordingly. I'm also attaching a 'mega slide deck' that ED staff put together that has some good visuals and phrasing. If you like any of this stuff, we can put together a 'take away' page if you would like. Let me know.

Michael's thoughts (Jeanne's outline is below):
I think that for this crowd I would suggest that you try to hit the following three categories of points in terms of an overall theme:

1. **EE is a the cleanest and cheapest energy resource we have. It's also the hardest thing to do because it is not just a contract with one power plant, but lots of individual actors changing infrastructure and behavior.** Would use an example of a commercial or industrial plant so that the members don't automatically jump to their own

home/self reference EE in an individual context.
    a. We are a long time leader and yet we continue to push the envelope. Hundreds of programs, and touches every market segment.
    b. I would have a reference (nothing more than a mention) that we continue to need to ensure that we fully count the resource in our planning process and we have made/will make commitments to get EE fully integrated into everyone's process.
    c. Making a shift to longer lasting, deeper savings. This is moving a big ship, but the wheels are in motion.
2. Introducing some **competition** (the Regional Energy Network model) but the utility will continue to play a dominant role in the space. Hoping to **incubate additional ideas**. Local governments should play a role (etc.)
3. The **ratepayer wallet is not infinite**. Financing programs are **critical to leverage private capital – we will not get to the market transformation system that we need without it**. Ratepayers should not fund all of it, and rebates will only go so far…

That alone is probably enough for the first 5 minutes.

Some additional ideas (if they come up)

- In the transition from the short term 'widgets' model to building transformation/market transformation, data analytics and services model will be really important. (Energy 201)
- There was long term funding for EE in the now expired/sunset PGC – that did have a market signal. The CPUC might try to re-create that market signal since it is our top priority resource. (Energy 101)
- A metric for success should NOT be a declining TRC. We are under statutory mandate to do all cost effective EE. A really high TRC indicates that we are leaving savings on the table. The trick is to get as close to 1.0 as possible on a portfolio basis. (Energy 201)

From: Clinton, Jeanne
Sent: Tuesday, April 16, 2013 6:45 PM
To: Colvin, Michael
Subject: CFEE talking point ideas

Here are my notes from the Friday call. Sorry for the delay.

CFEE wants an "Energy 1" level set of remarks, not "Energy 101" and for sure not "Energy 201".

Mark will have 7-10 minutes max.
No slides, can have graphic or data handouts if necessary to convey the message.

Note: Mark will be preceded by Andrew M who will cover AB 758, CEC mission with codes & standards, and IEPR (including ZNE policy, Existing building stock and DR)

CPUC points I suggest mark try to cover:

1. CPUC jurisdiction is IOU only – about 70% of electric sales, 99% of gas deliveries (but less of gas commodity sales). Also water, some telco, rail safety, household moving vans, pink mustache private limos, … What is <u>total annual revenue requirement</u> for the electric and gas utilities we regulate?

2. Talk about <u>how demand side relates to supply side</u>. CPUC aim is to promote cost-effective DSM solutions, using utility ratepayer funds to buy "negawatts" when these are cheaper than new power plants or new energy resource contracts.

3. "A word about DR" – what is it, how mobilized (pricing versus incentive payment for participating).

4. Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

5. Any data to characterize how EE, DR, and DG contribute to (mostly electric) resource mix? (e.g. from some Procurement primer?) Similarly, how the 2008 AB 32 Scoping Plan looked at demand-side resources for GHG reduction (doubt the proportional roles will be covered by the Peevey/Weisenmiller panel. May be covered later in Mary Nichols' panel?)

6. Where the DSM $ come from: Perhaps talk about what % of electric and gas revenues go to support "public purpose programs" – EE, low income EE and low income CARE, DG, RPS, … Sound like small %, but in $ this amounts to …. (a big number)

7. Differentiate "ratepayer" $ vs. "Tax payer" $, and what the spending requirements are (prudent, cost-effective, best fit, competitive, …)

This may be as far as 7-10 minutes will take him. If time permits, introduce could try to introduce some Energy "101" issues:

- Talk about the 3 buckets of strategies we oversee – utility-implemented, third-party competitively bid programs (for competition), and local government and RENs.

- New themes emerging
    a. RENs and possibility for more third-party competition
    b. Financing as way to leverage private capital to get positive cash flow solutions without needing to tap ratepayer $ to pay higher and higher rebates and incentives (there is a limit!) and so as to keep rate $ support to reasonable level.
    c. Aspects of DR – wholesale, retail, via controls, pricing, storage
    d. Promises and opportunities of using smart data (maybe this belongs in a later panel)

From: Lee, Audrey <audrey.lee@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 5:18 PM
To: Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Cc: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: FW: CFEE Loading Order Session

Mike,
Chair Weisenmiller would like to make sure his comments at the CFEE loading order session are supportive of yours. Do you want to send him any of your talking points? (On the video conference on Tuesday, you said you didn't need any talking points from us.)
-Audrey

From: Stevens, Brian
Sent: Wednesday, April 17, 2013 1:31 PM
To: Mack, Grant@Energy
Cc: Lee, Audrey
Subject: Re: CFEE Loading Order Session

I believe Audrey is preparing those.

Sent from my iPhone

On Apr 17, 2013, at 1:26 PM, "Mack, Grant@Energy" <Grant.Mack@energy.ca.gov> wrote:

> Hi Brian,
>
> Will you be working on Pres. Peevey's talking points for the CFEE loading order session? I'd like to get a general feel of how he would like to approach the topic so that the Chair's comments support his approach.
>
> Best regards,
>
> Grant A. Mack,
> Advisor to Chair Robert Weisenmiller
> California Energy Commission
> (916) 654-5166
> 1516 Ninth Street MS-33
> Sacramento, CA 95814
> grant.mack@energy.ca.gov
>
> ---
>
> **From:** Stevens, Brian [mailto:brian.stevens@cpuc.ca.gov]
> **Sent:** Tuesday, April 16, 2013 11:56 AM
> **To:** Mack, Grant@Energy
> **Subject:** FW: Hold items 31 and 32 for two meetings
>
> ---
>
> **From:** Stevens, Brian

Sent: Tuesday, April 16, 2013 11:55 AM
To: Agenda Hold List
Cc: Peevey, Michael R.; Turhal, Cem
Subject: Hold items 31 and 32 for two meetings

President Peevey's Office requests a two meeting hold for items 31 and 32 to draft an alternate.

Kind regards,

Brian Stevens
Office of President Michael Peevey
California Public Utilities Commission
505 Van Ness; San Francisco, CA 94102
415-703-2148

From:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent:	Wednesday, April 17, 2013 5:31 PM
To:	Lee, Audrey <audrey.lee@cpuc.ca.gov>
Subject:	Re: CFEE Loading Order Session

I am just going to give the background and history.

From: Lee, Audrey
Sent: Wednesday, April 17, 2013 05:17 PM Pacific Standard Time
To: Peevey, Michael R.
Cc: Brown, Carol A.
Subject: FW: CFEE Loading Order Session

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> Sacramento, CA 95814
> grant.mack@energy.ca.gov
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> **From:** Stevens, Brian [mailto:brian.stevens@cpuc.ca.gov]

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From: Lee, Audrey <audrey.lee@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 5:32 PM
To: Mack, Grant@Energy <Grant.Mack@energy.ca.gov>
Cc: Stevens, Brian <brian.stevens@cpuc.ca.gov>
Subject: RE: CFEE Loading Order Session

Hi Grant,
Sorry for the delay in responding. President Peevey will be giving the background and history. He doesn't have any prepared talking points.
Thanks,
Audrey

From: Stevens, Brian
Sent: Wednesday, April 17, 2013 1:31 PM
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Subject: Re: CFEE Loading Order Session

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Brian Stevens
Office of President Michael Peevey
California Public Utilities Commission
505 Van Ness; San Francisco, CA 94102
415-703-2148

From:	Lukins, Chloe <chloe.lukins@cpuc.ca.gov>
Sent:	Thursday, April 18, 2013 8:30 AM
To:	Roble, Elaine <elaine.roble@cpuc.ca.gov>
Subject:	RE: CFEE Invitation to Energy Conference/Lukins

Thanks Elaine.

Chloe Lukins, P.E.
Program Manager
California Public Utilities Commission
Division of Ratepayer Advocates
Electricity Planning and Policy Branch
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1637
(415) 703-2905 FAX
chloe.lukins@cpuc.ca.gov

From: Roble, Elaine
Sent: Tuesday, April 09, 2013 10:55 AM
To: 'Meta Winn'; Lukins, Chloe
Cc: Celeste Cremen
Subject: RE: CFEE Invitation to Energy Conference/Lukins

Good Morning Meta,

Can you also send me an invoice along with your tax id number on it? I'd greatly appreciate it! Thanks Meta!

Management Services Technician
Division of Ratepayer Advocates – Electricity Planning & Policy Branch
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1990 Fax: (415) 703-2905

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Monday, April 08, 2013 3:40 PM
To: Lukins, Chloe
Cc: Roble, Elaine; Celeste Cremen
Subject: CFEE Invitation to Energy Conference/Lukins

Dear Ms. Lukins,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Mack, Grant@Energy <Grant.Mack@energy.ca.gov>
Sent:	Thursday, April 18, 2013 8:36 AM
To:	Lee, Audrey <audrey.lee@cpuc.ca.gov>
Cc:	Stevens, Brian <brian.stevens@cpuc.ca.gov>
Subject:	RE: CFEE Loading Order Session

No worries, thanks Audrey!! This is helpful.

Grant A. Mack,
Advisor to Chair Robert Weisenmiller
California Energy Commission
(916) 654-5166
1516 Ninth Street MS-33
Sacramento, CA 95814
grant.mack@energy.ca.gov

From: Lee, Audrey [mailto:audrey.lee@cpuc.ca.gov]
Sent: Wednesday, April 17, 2013 5:32 PM
To: Mack, Grant@Energy
Cc: Stevens, Brian
Subject: RE: CFEE Loading Order Session

Hi Grant,
Sorry for the delay in responding. President Peevey will be giving the background and history. He doesn't have any prepared talking points.
Thanks,
Audrey

From: Stevens, Brian
Sent: Wednesday, April 17, 2013 1:31 PM
To: Mack, Grant@Energy
Cc: Lee, Audrey
Subject: Re: CFEE Loading Order Session

I believe Audrey is preparing those.

Sent from my iPhone

On Apr 17, 2013, at 1:26 PM, "Mack, Grant@Energy" <Grant.Mack@energy.ca.gov> wrote:

> Hi Brian,
>
> Will you be working on Pres. Peevey's talking points for the CFEE loading order session? I'd like to get a general feel of how he would like to approach the topic so that the Chair's comments support his approach.
>
> Best regards,

Grant A. Mack,
Advisor to Chair Robert Weisenmiller
California Energy Commission
(916) 654-5166
1516 Ninth Street MS-33
Sacramento, CA 95814
grant.mack@energy.ca.gov

From: Stevens, Brian [mailto:brian.stevens@cpuc.ca.gov]
Sent: Tuesday, April 16, 2013 11:56 AM
To: Mack, Grant@Energy
Subject: FW: Hold items 31 and 32 for two meetings

From: Stevens, Brian
Sent: Tuesday, April 16, 2013 11:55 AM
To: Agenda Hold List
Cc: Peevey, Michael R.; Turhal, Cem
Subject: Hold items 31 and 32 for two meetings

President Peevey's Office requests a two meeting hold for items 31 and 32 to draft an alternate.

Kind regards,

Brian Stevens
Office of President Michael Peevey
California Public Utilities Commission
505 Van Ness; San Francisco, CA 94102
415-703-2148

From:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov> on behalf of Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent:	Thursday, April 18, 2013 11:53 AM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	CFEE Energy Conference (Mark speaking from 2:30-3:30pm)
Attach:	Untitled Attachment

BNK 3/6/13

2:30 pm - 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?
***Andrew McAllister,** Commissioner, California Energy Commission
***Mark Ferron,** Commissioner, California Public Utilities Commission
***Ron Nichols,** General Manager, Los Angeles Department of Water and Power
***Sheryl Carter,** Co-Director Energy Program, Natural Resources Defense Council
***Kevin Evans,** Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Roundtable Discussion

From: Colvin, Michael
Sent: Wednesday, March 06, 2013 5:16 PM
To: Ferron, Mark J.; TerKeurst, Charlotte; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: RE: CFEE Energy Conference - invitation to speak

Mark
I spoke with both Beth Vaughn (who's putting together the agenda for CFEE) and with Florio's/Peevey's office, and I think that we are all set. I think that you will go on day 1 and Florio will join for the dinner that night be there for day 2. Peevey will be there for both days. I tried to see if there was a way to have you be there for both days, but alas Peevey said that he was going to do both days.

Regarding advisors, I think that easily 1 can go with and there shouldn't be a problem with more than 1, if desired.

Juliane – the date of day one is 4/25 so we should block that off now.

Thanks!
Michael

From: Ferron, Mark J.
Sent: Tuesday, March 05, 2013 11:58 AM
To: TerKeurst, Charlotte; Colvin, Michael; Kamins, Sara M.; Hook, Charlyn A.; Banks, Juliane
Subject: Fwd: CFEE Energy Conference - invitation to speak
Importance: High

Begin forwarded message:

From: "Clinton, Jeanne" <jeanne.clinton@cpuc.ca.gov>
Subject: FW: CFEE Energy Conference - invitation to speak
Date: March 1, 2013 5:04:04 PM PST
To: "Randolph, Edward F." <edward.randolph@cpuc.ca.gov>, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

what do you guys think about who is right person from CPUC to speak at this forum? I'm certainly willing to do, but of late ED has been the visible voice on this in Sacramento. On the other hand, Andrew is at Commissioner level -- do we want to match that?

Jeanne

From: Beth Vaughan [mailto:beth@beth411.com]
Sent: Friday, March 01, 2013 12:06 PM
To: Clinton, Jeanne
Subject: CFEE Energy Conference - invitation to speak

Hi Jeanne,

At this year's CFEE roundtable energy conference to be held April 25-26, the steering committee decided that we should do an "energy 101" conference for the new legislators. We've designed the sessions around the loading order, to explain how California has prioritized actions in the energy sector, and the results of this effort, a decade later. We'd like to invite you to speak on Thursday afternoon and the session looks like this:

2:45 pm – 4:00 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Chair, California Energy Commission
Jeanne Clinton, Special Advisor to the California Public Utilities Commission

Responders:
Rep, IOU
Rep, MUNI
****Sheryl Carter,*** Co-Director Energy Program, Natural Resources Defense Council
Rep, Industry

Roundtable Discussion

Since Andrew McAllister is the lead Commissioner on the 2013 IEPR, with a focus on energy efficiency, I thought the two of you could take the lead in the session, explaining the state's EE policies, status thus far, and the strategy for achieving future goals and targets. Then other stakeholders at the table could respond.

Are you able to attend the conference and participate in this session? If so, is there a good time when I could talk to you so you could help me with the design of this session, and recommendations for other speakers?

Thanks,

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

From: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent: Thursday, April 18, 2013 8:18 PM
To: Celeste Cremen <celeste@cfee.net>
Subject: Re: CFEE

Thank you, Celeste. I am so sorry for the delay returning your call. As you have read in the papers, We have been just a bit busy! As it turns out, I am not sure when the conference is or what is on the agenda. I just know my bosses (five commissioners and Paul Clanon) find it quite valuable So I will try to call you in the morning to get caught up.

My contact information follows:

Lynn Sadler, Director
Office of Governmental Affairs
770 L Street, suite 1250
Sacramento, CA. 95814

916.327.8441
Lynn.Sadler@cpuc.ca.gov

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

On Apr 17, 2013, at 12:39 PM, "Celeste Cremen" <celeste@cfee.net> wrote:

> Hi Lynn,
>
> Pat Mason just handed me your name regarding possibly attending our CFEE Energy Conference next week. Could you kindly give me a call when you have a moment and I can go over the conference with you and answer any questions you may have. I would also need to get your complete contact information.
>
> THX,
>
> *Celeste*
>
> **Celeste Cremen**
> International Project Manager
> Conference Coordinator
>
> **California Foundation on the Environment and the Economy**
> Pier 35, Suite 202 | San Francisco, CA 94133
> **T**: 415.788.1786
> F: 415.986.2227
> www.cfee.net
>
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From:	Meta Winn <Meta@cfee.net>
Sent:	Friday, April 19, 2013 11:20 AM
To:	lynn.sadler@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	CFEE Invitation to Energy Conference/Sadler
Attach:	Sadler, Lynn.pdf; 4.16.13_DFT_NRG_Agenda.docx; 041813 Energy Participants.pdf

---

Dear Ms. Sadler,

Please find attached, a copy of your invitation to CFEE's upcoming Energy Conference, along with an invitee list and agenda.

Kindly contact Celeste Cremen if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

April 19, 2013

Ms. Lynn Sadler
Director of Governmental Affairs
California Public Utilities Commission
770 L Street, Ste 1250
Sacramento CA 95814

Dear Ms. Sadler,

I am writing to invite you to participate, as an observer, in a **Roundtable Conference on Energy on Thursday, April 25 and Friday April 26, 2013 at the Silverado Conference Center in Napa, California.**

The conference will specifically focus on the next 8 years as we approach the 2020 deadlines for the California Global Warming Solutions Act (AB32). We will convene California Public Utility Commissioners, California Energy Commissioners, state legislators, members of the Governor's cabinet, and senior industry, environmental and labor leaders to explore the challenges California faces as we continue to implement landmark legislation on reducing greenhouse gas emissions, and bold policies designed to increase efficiency and conservation, and encourage renewable energy and distributed generation.

The specific issue areas for discussion are:

- Integration of the 33% Renewables Portfolio Standard
- Implementation of Cap & Trade, and analysis of the progress of the program after the state's first carbon auction in November
- Transmission Development to extend the impact of renewable sources of energy and help California meet its 33% RPS goal
- Distributed Generation, its impact on California energy forecasts, and electricity rate redesign
- Technological innovations enabling innovations for Smart Grids, and greater achievements in Demand Response, and other conservation programs

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

The agenda, being developed by a joint steering committee of environmental, labor, and senior executives from across the energy industry spectrum, will consist of briefings on the current plans to implement the existing mandates, updates on what progress has been made to date, and moderated discussions of the ongoing roles of the administration, regulatory bodies and the state legislature.

This working agenda, combined with the roundtable, interactive format, is a timely introduction and progress report on what it will take to meet the goals we have already established and who is going do it.

These conferences, sponsored by the participants, are a critical source of funding for CFEE, a nonprofit 501(c)(3) tax-exempt organization. We will send you an invoice for a conference fee of $350, which will be sufficient to cover our cost of your lodging and group meals. You will be responsible for your incidental expenses and travel costs.

Our conference coordinator, Celeste Cremen, will be making your reservations at the Silverado Conference Center and answering any logistical questions you may have. ***Please contact Celeste at 415-788-0812 to confirm your participation.***

I look forward to speaking with you soon.

Sincerely,

Patrick F. Mason

Patrick F. Mason (mw)
President

PFM/mw

Enclosure

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

PARTICIPANTS

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
Michel Florio, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

Mary D. Nichols, Chairman

OFFICE OF THE GOVERNOR

Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Wade Crowfoot, Deputy Director, Governor's Office of Planning & Research
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Anthony Cannella
Jean Fuller
Ben Hueso
Ricardo Lara
Fran Pavley
Lois Wolk

* Not Confirmed
List @ 4/18/2013

Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Steven C. Bradford
Joan Buchanan
Rocky Chávez
Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
James Patterson
Bill Quirk
Anthony Rendon
Rudy Salas
Scott T. Wilk
Das Williams

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
William Boyd, Executive Vice President & Chief Executive Officer, Transwest Express
Stephen J. Callahan, Global Partner, IBM
Kevin Evans, VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
Scott Farris, Director, Government Relations, TransCanada Corporation
* *Susan P. Kennedy,* President & CEO, Advanced MicroGrid Solutions
Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

INVESTOR-OWNED UTILITIES

James P. Avery, Senior Vice President - Power Supply, Sempra Energy Utilities
Thomas E. Bottorff, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stuart R. Hemphill, Senior VP, Power Supply, Southern California Edison

* Not Confirmed
List @ 4/18/2013

PUBLICLY-OWNED UTILITIES

John DiStasio, General Manager & Chief Executive Officer, Sacramento Municipal Utility District
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/18/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust
Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President
Beth E. Vaughan, Policy Consultant
Celeste Cremen, Conference Coordinator
Emilie Chu, Controller
Joan Lynch, Assistant to Conference Coordinator
Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission
Sean Beatty, Director, Regulatory Affairs, NRG Energy
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.
Richard Corey, Executive Officer, California Air Resources Board
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Matt Freedman, Staff Attorney, The Utility Reform Network (TURN)
Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Charlyn Hook, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Not Confirmed
List @ 4/18/2013

* *Lourdes Jimenez,* Senior Assistant, Office of Senator Ben Hueso
Aaron Johnson, Sr. Director, Customer Programs, Pacific Gas & Electric Company
* *Marc D. Joseph,* Attorney, Adams, Broadwell, Joseph & Cardozo
Sara Kamins, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
* *Michael Liikala,* International Representative, TBA
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
William Miller, President, TransWest Express, LLC
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
Dan Patry, Manager, Policy Initiatives, Recurrent Energy
Ryan Pierini, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
Nancy E. Ryan, Director of Policy and Strategy, E3 Energy + Environmental Economics
* *Lynn Sadler*, Director of Governmental Affairs, C.P.U.C.
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Charlotte TerKeurst, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
Dave Titus, Chief of Staff, Office of Assembly Member Beth Gaines
Fong Wan, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company
Virgil Welch, Special Assistant, California Air Resources Board
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists

* Not Confirmed
List @ 4/18/2013

From:	Meta Winn <Meta@cfee.net>
Sent:	Friday, April 19, 2013 2:26 PM
To:	lynn.sadler@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	CFEE Energy Mail Out/Sadler
Attach:	Sadler, Lynn.pdf; Energy Cover Memo.pdf; Silverado.pdf; 041813 Energy Participants.pdf; 4.16.13_DFT_NRG_Agenda.docx

---

Dear Ms. Sadler,

Please find attached, a copy of the cover memo, draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as directions to CFEE's Energy Roundtable Conference in Napa, California.

Please contact Celeste Cremen, our Conference Coordinator, if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

Patrick F. Mason, Ph. D.
President

April 11, 2013

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California.**

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

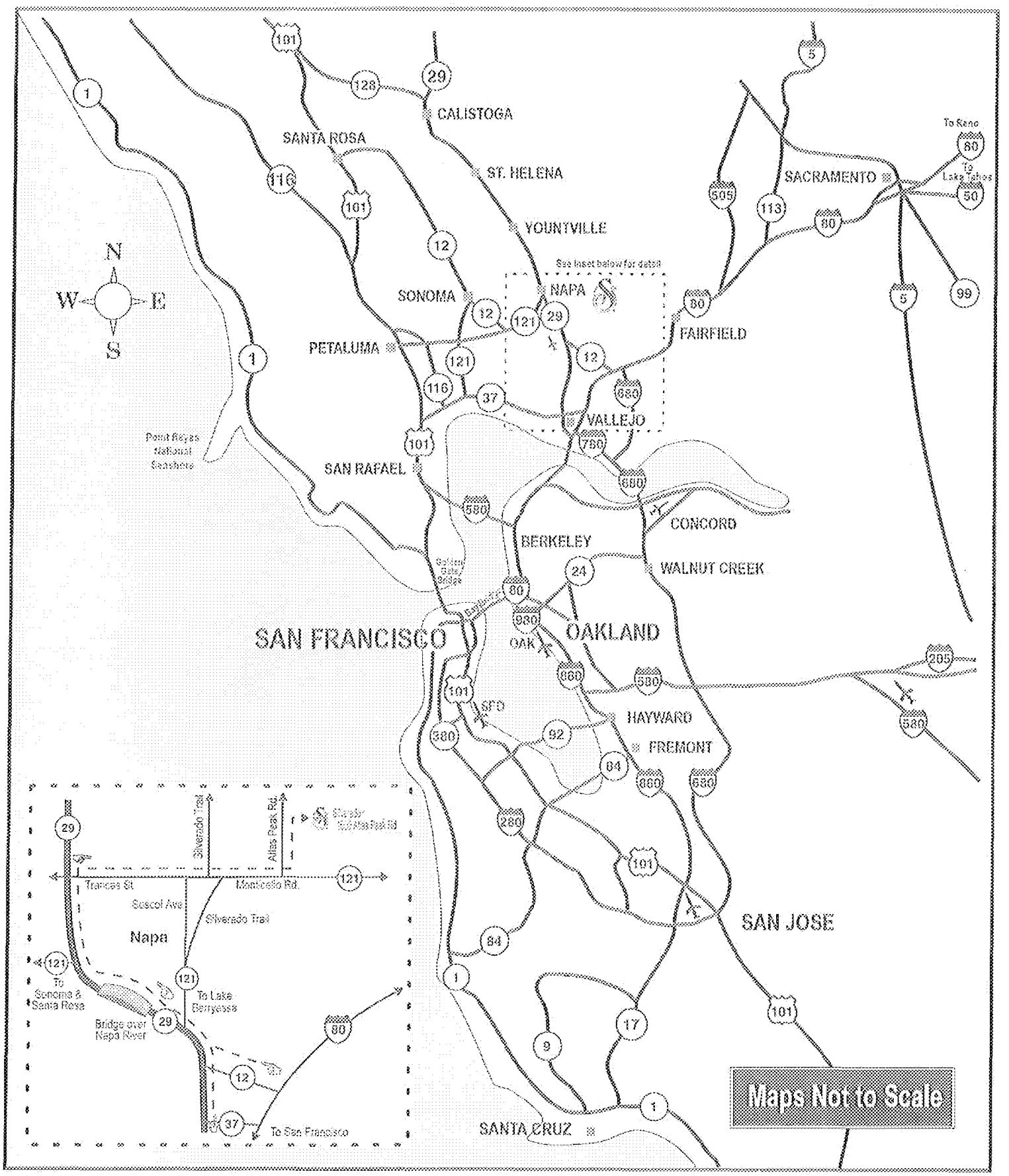
If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

CPUC02637

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
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- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road becomes Trancas Street
- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

CPUC02638

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

PARTICIPANTS

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
Michel Florio, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

Mary D. Nichols, Chairman

OFFICE OF THE GOVERNOR

Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Wade Crowfoot, Deputy Director, Governor's Office of Planning & Research
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Anthony Cannella
Jean Fuller
Ben Hueso
Ricardo Lara
Fran Pavley
Lois Wolk

* Not Confirmed
List @ 4/18/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Steven C. Bradford
Joan Buchanan
Rocky Chávez
Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
James Patterson
Bill Quirk
Anthony Rendon
Rudy Salas
Scott T. Wilk
Das Williams

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
William Boyd, Executive Vice President & Chief Executive Officer, Transwest Express
Stephen J. Callahan, Global Partner, IBM
Kevin Evans, VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
Scott Farris, Director, Government Relations, TransCanada Corporation
* *Susan P. Kennedy,* President & CEO, Advanced MicroGrid Solutions
Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

INVESTOR-OWNED UTILITIES

James P. Avery, Senior Vice President - Power Supply, Sempra Energy Utilities
Thomas E. Bottorff, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stuart R. Hemphill, Senior VP, Power Supply, Southern California Edison

* Not Confirmed
List @ 4/18/2013

PUBLICLY-OWNED UTILITIES

John DiStasio, General Manager & Chief Executive Officer, Sacramento Municipal Utility District
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/18/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust
Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President
Beth E. Vaughan, Policy Consultant
Celeste Cremen, Conference Coordinator
Emilie Chu, Controller
Joan Lynch, Assistant to Conference Coordinator
Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission
Sean Beatty, Director, Regulatory Affairs, NRG Energy
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.
Richard Corey, Executive Officer, California Air Resources Board
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Matt Freedman, Staff Attorney, The Utility Reform Network (TURN)
Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Charlyn Hook, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Not Confirmed
List @ 4/18/2013

* *Lourdes Jimenez,* Senior Assistant, Office of Senator Ben Hueso
Aaron Johnson, Sr. Director, Customer Programs, Pacific Gas & Electric Company
* *Marc D. Joseph,* Attorney, Adams, Broadwell, Joseph & Cardozo
Sara Kamins, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
* *Michael Liikala,* International Representative, TBA
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
William Miller, President, TransWest Express, LLC
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
Dan Patry, Manager, Policy Initiatives, Recurrent Energy
Ryan Pierini, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
Nancy E. Ryan, Director of Policy and Strategy, E3 Energy + Environmental Economics
* *Lynn Sadler*, Director of Governmental Affairs, C.P.U.C.
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Charlotte TerKeurst, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
Dave Titus, Chief of Staff, Office of Assembly Member Beth Gaines
Fong Wan, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company
Virgil Welch, Special Assistant, California Air Resources Board
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists

* Not Confirmed
List @ 4/18/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From: Joan Lynch <jlynch@cfee.net>
Sent: Friday, April 19, 2013 3:58 PM
To: nicolas.chaset@cpuc.ca.gov
Subject: bio request for CFEE conf

Nick,
Can you please email me a brief bio for your introduction at the conference?
And should we show, as your organization, on your name tag Governor's Office, or C.P.U.C.?

Thank you,
Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Beth Vaughan <beth@beth411.com>
Sent:	Friday, April 19, 2013 4:59 PM
To:	Michael R. Peevey <MP1@cpuc.ca.gov>; Robert Weisenmiller <RWeisenm@energy.state.ca.us>
Cc:	'Pat Mason' <pat@cfee.net>
Subject:	CFEE Energy Conf - Session 2 speakers, coordinating comments
Attach:	4.18.13_DFT_NRG_Agenda.docx

Hi Mike and Bob,

Pat and I have been convening conference calls with speakers on the CFEE energy conference panels, but Session 2 on Thursday afternoon is just the two of you, so we thought you could talk with each other about the panel, and/or we can get together at lunch on Thursday to coordinate.

Basically, we'd like the two of you to provide a little bit of history for the new legislators coming to the conference (19 are confirmed). We hoped you could describe how energy policy and the sector has evolved since the energy crisis, and specifically mention the loading order – what led to its adoption in the 2003 Energy Action Plan and how it is still current policy that guides procurement decisions. This will set up the following panels that will discuss: energy efficiency and D-R; renewables and DG; and role of fossil-fired generation. It's meant to be a short session (30 minutes) that provides background for the discussion that will occur over the next two days, so I'd like to suggest no power points; just short, concise remarks (5-7 min each) with time left for questions.

If you would like us to set up a call between the two of you, just let me know – otherwise we'll leave it up to the two of you to coordinate.

Thanks, Beth
Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

1:45 pm-2:15 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
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Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

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Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent:	Friday, April 19, 2013 5:41 PM
To:	Beth Vaughan <beth@beth411.com>; Robert Weisenmiller <RWeisenm@energy.state.ca.us>
Cc:	'Pat Mason' <pat@cfee.net>
Subject:	RE: CFEE Energy Conf - Session 2 speakers, coordinating comments

I can give the history, the loading order (how it came to be), etc., and whatever coordination is needed can happen during the lunch before the start.

From: Beth Vaughan [beth@beth411.com]
Sent: Friday, April 19, 2013 4:58 PM
To: Peevey, Michael R.; Robert Weisenmiller
Cc: 'Pat Mason'
Subject: CFEE Energy Conf - Session 2 speakers, coordinating comments

Hi Mike and Bob,

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Basically, we'd like the two of you to provide a little bit of history for the new legislators coming to the conference (19 are confirmed). We hoped you could describe how energy policy and the sector has evolved since the energy crisis, and specifically mention the loading order – what led to its adoption in the 2003 Energy Action Plan and how it is still current policy that guides procurement decisions. This will set up the following panels that will discuss: energy efficiency and D-R; renewables and DG; and role of fossil-fired generation. It's meant to be a short session (30 minutes) that provides background for the discussion that will occur over the next two days, so I'd like to suggest no power points; just short, concise remarks (5-7 min each) with time left for questions.

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Thanks, Beth
Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

1:45 pm-2:15 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last

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During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

From:	Weisenmiller, Robert@Energy <Robert.Weisenmiller@energy.ca.gov>
Sent:	Friday, April 19, 2013 5:52 PM
To:	'michael.peevey@cpuc.ca.gov'; 'beth@beth411.com'
Cc:	'pat@cfee.net'
Subject:	Re: CFEE Energy Conf - Session 2 speakers, coordinating comments

Ok. Let's talk at lunch about what I need to do to complement your talk. Bob

---

From: Peevey, Michael R. [mailto:michael.peevey@cpuc.ca.gov]
Sent: Saturday, April 20, 2013 12:41 AM
To: Beth Vaughan <beth@beth411.com>; Weisenmiller, Robert@Energy
Cc: 'Pat Mason' <pat@cfee.net>
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Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

From:	Weisenmiller, Robert@Energy <Robert.Weisenmiller@energy.ca.gov>
Sent:	Friday, April 19, 2013 5:53 PM
To:	'michael.peevey@cpuc.ca.gov'
Subject:	Re: CFEE Energy Conf - Session 2 speakers, coordinating comments

Are you coming to the tuesday session??

From: Peevey, Michael R. [mailto:michael.peevey@cpuc.ca.gov]
Sent: Saturday, April 20, 2013 12:41 AM
To: Beth Vaughan <beth@beth411.com>; Weisenmiller, Robert@Energy
Cc: 'Pat Mason' <pat@cfee.net>
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Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

From:	Peevey, Michael R. <michael.peevey@cpuc.ca.gov>
Sent:	Friday, April 19, 2013 6:08 PM
To:	'Robert.Weisenmiller@energy.ca.gov'
Subject:	Re: CFEE Energy Conf - Session 2 speakers, coordinating comments

Yes.

From: Weisenmiller, Robert@Energy [mailto:Robert.Weisenmiller@energy.ca.gov]
Sent: Friday, April 19, 2013 05:52 PM Pacific Standard Time
To: Peevey, Michael R.
Subject: Re: CFEE Energy Conf - Session 2 speakers, coordinating comments

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From: Peevey, Michael R. [mailto:michael.peevey@cpuc.ca.gov]
Sent: Saturday, April 20, 2013 12:41 AM
To: Beth Vaughan <beth@beth411.com>; Weisenmiller, Robert@Energy
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Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

From:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent:	Friday, April 19, 2013 10:26 PM
To:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject:	Fwd: CFEE Energy Mail Out/Sadler
Attach:	Sadler, Lynn.pdf; ATT00001.htm; Energy Cover Memo.pdf; ATT00002.htm; Silverado.pdf; ATT00003.htm; 041813 Energy Participants.pdf; ATT00004.htm; 4.16.13_DFT_NRG_Agenda.docx; ATT00005.htm

---

Please get in my calendar with directions too. Thnx

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

Begin forwarded message:

> **From:** Meta Winn <Meta@cfee.net>
> **Date:** April 19, 2013, 2:25:36 PM PDT
> **To:** <lynn.sadler@cpuc.ca.gov>
> **Cc:** Celeste Cremen <celeste@cfee.net>
> **Subject: CFEE Energy Mail Out/Sadler**
>
> Dear Ms. Sadler,
>
> Please find attached, a copy of the cover memo, draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as directions to CFEE's Energy Roundtable Conference in Napa, California.
>
> Please contact Celeste Cremen, our Conference Coordinator, if you have any questions at 415-788-0812.
>
> Sincerely,
>
> **Meta Winn**
> Executive Assistant
>
> **California Foundation on the Environment and the Economy**
> Pier 35, Suite 202 | San Francisco, CA 94133
> T: 415.788.1786
> F: 415.986.2227
> www.cfee.net
>
> **This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.**

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

April 11, 2013

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California.**

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

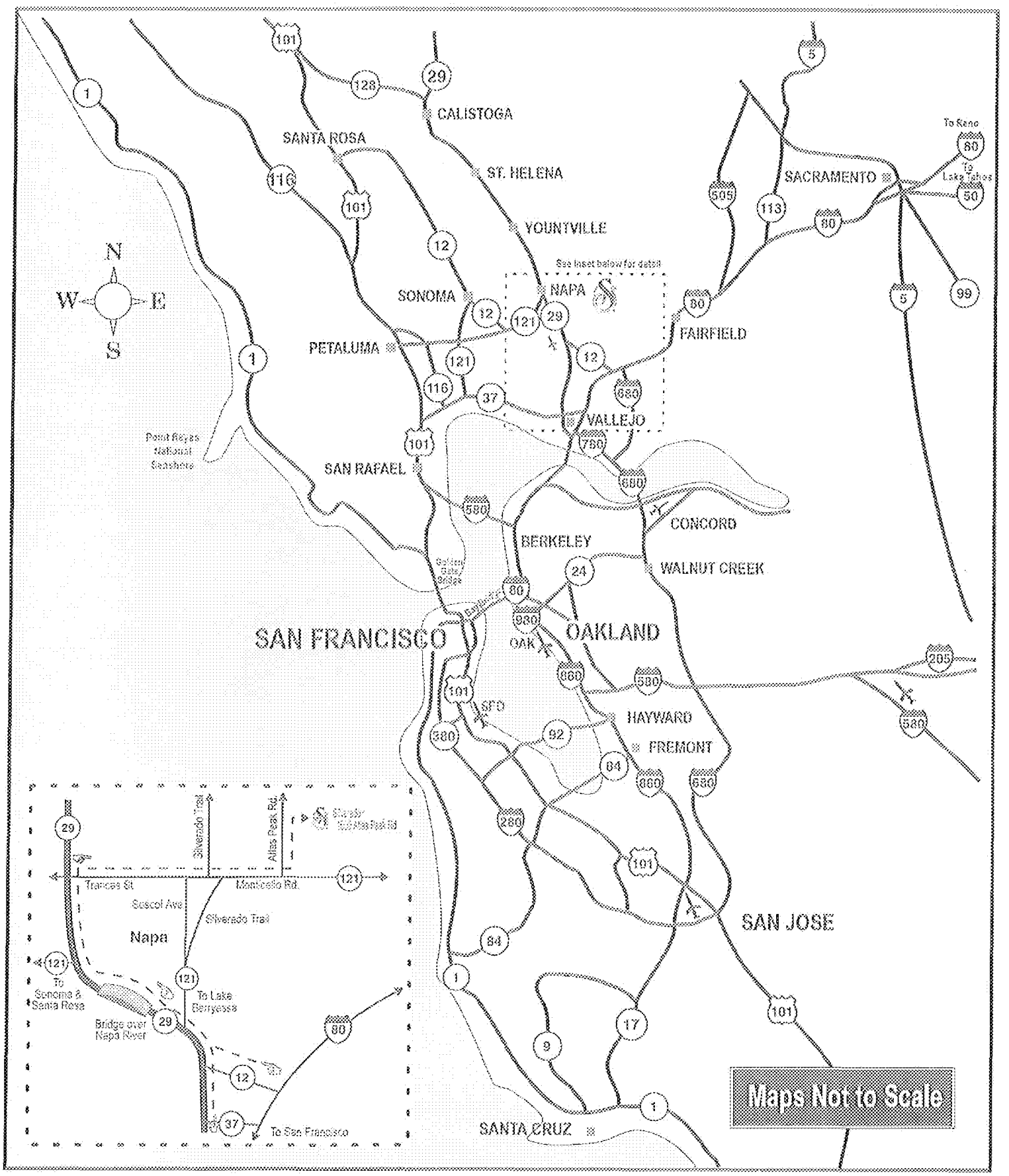
If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
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TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
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TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
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DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

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- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
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- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

CPUC02664

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

PARTICIPANTS

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
Michel Florio, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

Mary D. Nichols, Chairman

OFFICE OF THE GOVERNOR

Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Wade Crowfoot, Deputy Director, Governor's Office of Planning & Research
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Anthony Cannella
Jean Fuller
Ben Hueso
Ricardo Lara
Fran Pavley
Lois Wolk

* Not Confirmed
List @ 4/18/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Steven C. Bradford
Joan Buchanan
Rocky Chávez
Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
James Patterson
Bill Quirk
Anthony Rendon
Rudy Salas
Scott T. Wilk
Das Williams

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
William Boyd, Executive Vice President & Chief Executive Officer, Transwest Express
Stephen J. Callahan, Global Partner, IBM
Kevin Evans, VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
Scott Farris, Director, Government Relations, TransCanada Corporation
* *Susan P. Kennedy,* President & CEO, Advanced MicroGrid Solutions
Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

INVESTOR-OWNED UTILITIES

James P. Avery, Senior Vice President - Power Supply, Sempra Energy Utilities
Thomas E. Bottorff, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stuart R. Hemphill, Senior VP, Power Supply, Southern California Edison

* Not Confirmed
List @ 4/18/2013

PUBLICLY-OWNED UTILITIES

John DiStasio, General Manager & Chief Executive Officer, Sacramento Municipal Utility District
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/18/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust
Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President
Beth E. Vaughan, Policy Consultant
Celeste Cremen, Conference Coordinator
Emilie Chu, Controller
Joan Lynch, Assistant to Conference Coordinator
Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission
Sean Beatty, Director, Regulatory Affairs, NRG Energy
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.
Richard Corey, Executive Officer, California Air Resources Board
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Matt Freedman, Staff Attorney, The Utility Reform Network (TURN)
Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Charlyn Hook, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Not Confirmed
List @ 4/18/2013

* *Lourdes Jimenez,* Senior Assistant, Office of Senator Ben Hueso
Aaron Johnson, Sr. Director, Customer Programs, Pacific Gas & Electric Company
* *Marc D. Joseph,* Attorney, Adams, Broadwell, Joseph & Cardozo
Sara Kamins, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
* *Michael Liikala,* International Representative, TBA
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
William Miller, President, TransWest Express, LLC
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
Dan Patry, Manager, Policy Initiatives, Recurrent Energy
Ryan Pierini, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
Nancy E. Ryan, Director of Policy and Strategy, E3 Energy + Environmental Economics
* *Lynn Sadler*, Director of Governmental Affairs, C.P.U.C.
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Charlotte TerKeurst, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
Dave Titus, Chief of Staff, Office of Assembly Member Beth Gaines
Fong Wan, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company
Virgil Welch, Special Assistant, California Air Resources Board
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists

* Not Confirmed
List @ 4/18/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent:	Friday, April 19, 2013 11:52 PM
To:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject:	Re: Fwd: CFEE Energy Mail Out/Sadler

Will do

From: Sadler, Lynn
Sent: Friday, April 19, 2013 10:25 PM Pacific Standard Time
To: Wilson, Yvonne D.
Subject: Fwd: CFEE Energy Mail Out/Sadler

Please get in my calendar with directions too. Thnx

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

Begin forwarded message:

> **From:** Meta Winn <Meta@cfee.net>
> **Date:** April 19, 2013, 2:25:36 PM PDT
> **To:** <lynn.sadler@cpuc.ca.gov>
> **Cc:** Celeste Cremen <celeste@cfee.net>
> **Subject: CFEE Energy Mail Out/Sadler**
>
> Dear Ms. Sadler,
>
> Please find attached, a copy of the cover memo, draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as directions to CFEE's Energy Roundtable Conference in Napa, California.
>
> Please contact Celeste Cremen, our Conference Coordinator, if you have any questions at 415-788-0812.
>
> Sincerely,
>
> **Meta Winn**
> Executive Assistant
>
> **California Foundation on the Environment and the Economy**
> Pier 35, Suite 202 | San Francisco, CA 94133
> T: 415.788.1786
> F: 415.986.2227
> www.cfee.net
>
> **This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has**

been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent: Saturday, April 20, 2013 5:37 PM
To: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject: Re: CFEE Energy Mail Out/Sadler

Forgot to say travel auth. Figure you are ahead of me but thought I'd better tack it on.

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

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From:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent:	Monday, April 22, 2013 9:09 AM
To:	meta@cfee.net
Cc:	celeste@cfee.net; Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject:	RE: CFEE Energy Mail Out/Sadler

No attachments with your email, and I couldn't find this conference on CFEE's website. Please forward information. Thank you.

From: Sadler, Lynn
Sent: Saturday, April 20, 2013 5:37 PM
To: Wilson, Yvonne D.
Subject: Re: CFEE Energy Mail Out/Sadler

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Lynn Sadler

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Sincerely,

Meta Winn
Executive Assistant

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From:	Meta Winn <Meta@cfee.net>
Sent:	Monday, April 22, 2013 9:51 AM
To:	yvonne.wilson@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	FW: CFEE Energy Mail Out/Sadler
Attach:	Sadler, Lynn.pdf; Energy Cover Memo.pdf; Silverado.pdf; 041813 Energy Participants.pdf; 4.16.13_DFT_NRG_Agenda.docx

---

From: Meta Winn <Meta@cfee.net>
Date: Friday, April 19, 2013 2:25 PM
To: <lynn.sadler@cpuc.ca.gov>
Cc: Celeste Cremen <celeste@cfee.net>
Subject: CFEE Energy Mail Out/Sadler

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Sincerely,

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Executive Assistant

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PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

Patrick F. Mason, Ph. D.
President

April 11, 2013

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California.**

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

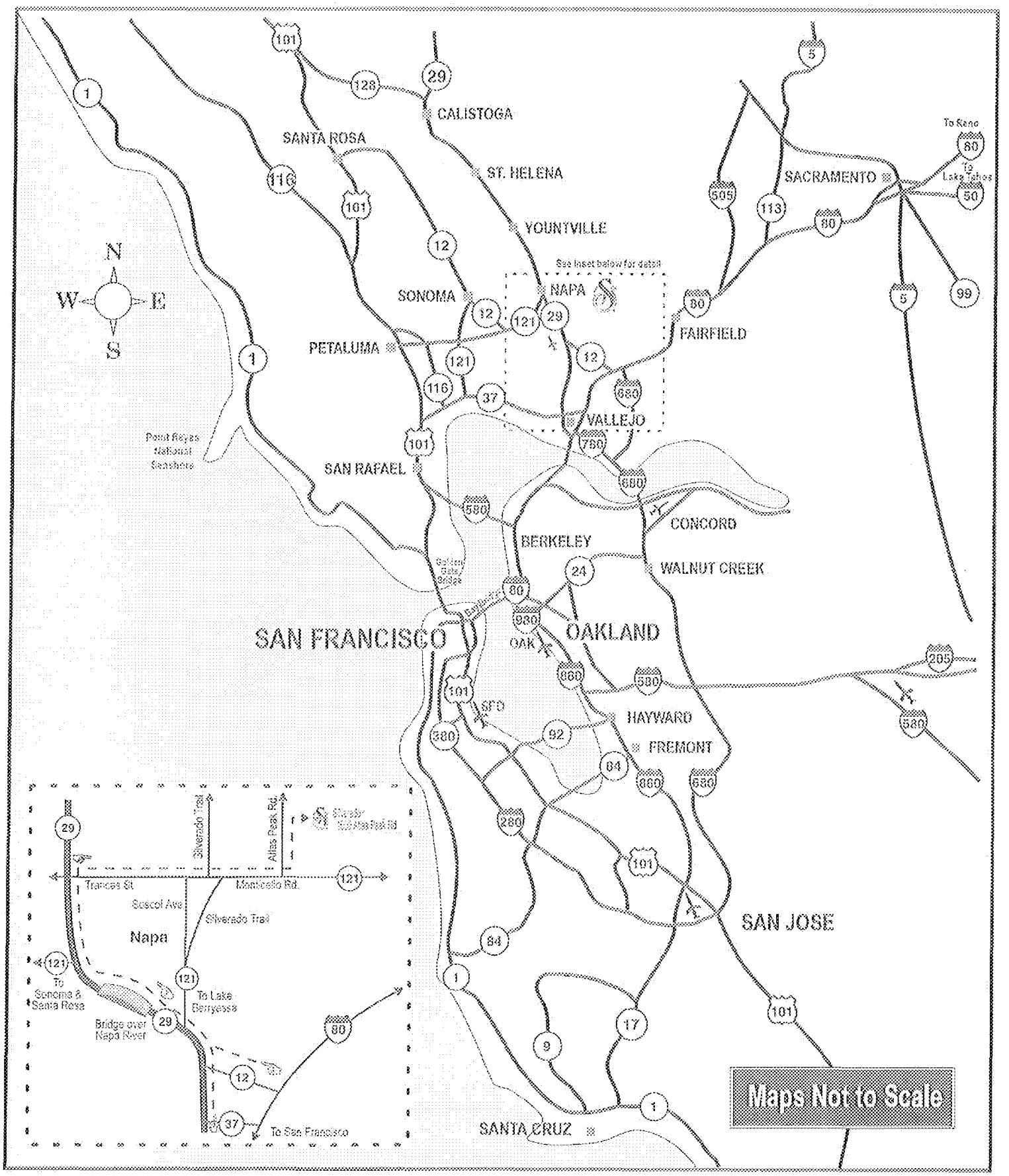
If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

CPUC02682

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

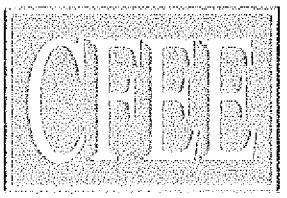
- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road becomes Trancas Street
- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

CPUC02683



CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

PARTICIPANTS

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
Michel Florio, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

Mary D. Nichols, Chairman

OFFICE OF THE GOVERNOR

Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Wade Crowfoot, Deputy Director, Governor's Office of Planning & Research
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Anthony Cannella
Jean Fuller
Ben Hueso
Ricardo Lara
Fran Pavley
Lois Wolk

* Not Confirmed
List @ 4/18/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Steven C. Bradford
Joan Buchanan
Rocky Chávez
Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
James Patterson
Bill Quirk
Anthony Rendon
Rudy Salas
Scott T. Wilk
Das Williams

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
William Boyd, Executive Vice President & Chief Executive Officer, Transwest Express
Stephen J. Callahan, Global Partner, IBM
Kevin Evans, VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
Scott Farris, Director, Government Relations, TransCanada Corporation
* *Susan P. Kennedy,* President & CEO, Advanced MicroGrid Solutions
Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

INVESTOR-OWNED UTILITIES

James P. Avery, Senior Vice President - Power Supply, Sempra Energy Utilities
Thomas E. Bottorff, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stuart R. Hemphill, Senior VP, Power Supply, Southern California Edison

* Not Confirmed
List @ 4/18/2013

PUBLICLY-OWNED UTILITIES

John DiStasio, General Manager & Chief Executive Officer, Sacramento Municipal Utility District
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/18/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters

Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245

* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust

Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President

Beth E. Vaughan, Policy Consultant

Celeste Cremen, Conference Coordinator

Emilie Chu, Controller

Joan Lynch, Assistant to Conference Coordinator

Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission

Sean Beatty, Director, Regulatory Affairs, NRG Energy

Gregory Blue, Regulatory & Government Affairs, GTB Consulting

* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.

Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.

Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245

Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.

Richard Corey, Executive Officer, California Air Resources Board

Karen Edson, Vice President, External Affairs, California Independent System Operator

Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee

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Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.

Julie Gill, Director of Regulatory & Government Affairs, AES Southland

Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources

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Virgil Welch, Special Assistant, California Air Resources Board
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists

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List @ 4/18/2013

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent:	Monday, April 22, 2013 10:11 AM
To:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject:	FW: CFEE Energy Mail Out/Sadler
Attach:	Sadler, Lynn.pdf; Energy Cover Memo.pdf; Silverado.pdf; 041813 Energy Participants.pdf; 4.16.13_DFT_NRG_Agenda.docx

Lynn Sadler | Director, Office of Governmental Affairs
California Public Utilities Commission
770 L Street, Suite 1250
Sacramento, CA 95814
Wired: 916.327.8441
Lynn.Sadler@cpuc.ca.gov | www.cpuc.ca.gov

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Friday, April 19, 2013 2:26 PM
To: Sadler, Lynn
Cc: Celeste Cremen
Subject: CFEE Energy Mail Out/Sadler

Dear Ms. Sadler,

Please find attached, a copy of the cover memo, draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as directions to CFEE's Energy Roundtable Conference in Napa, California.

Please contact Celeste Cremen, our Conference Coordinator, if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

Patrick F. Mason, Ph. D.
President

April 11, 2013

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California.**

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

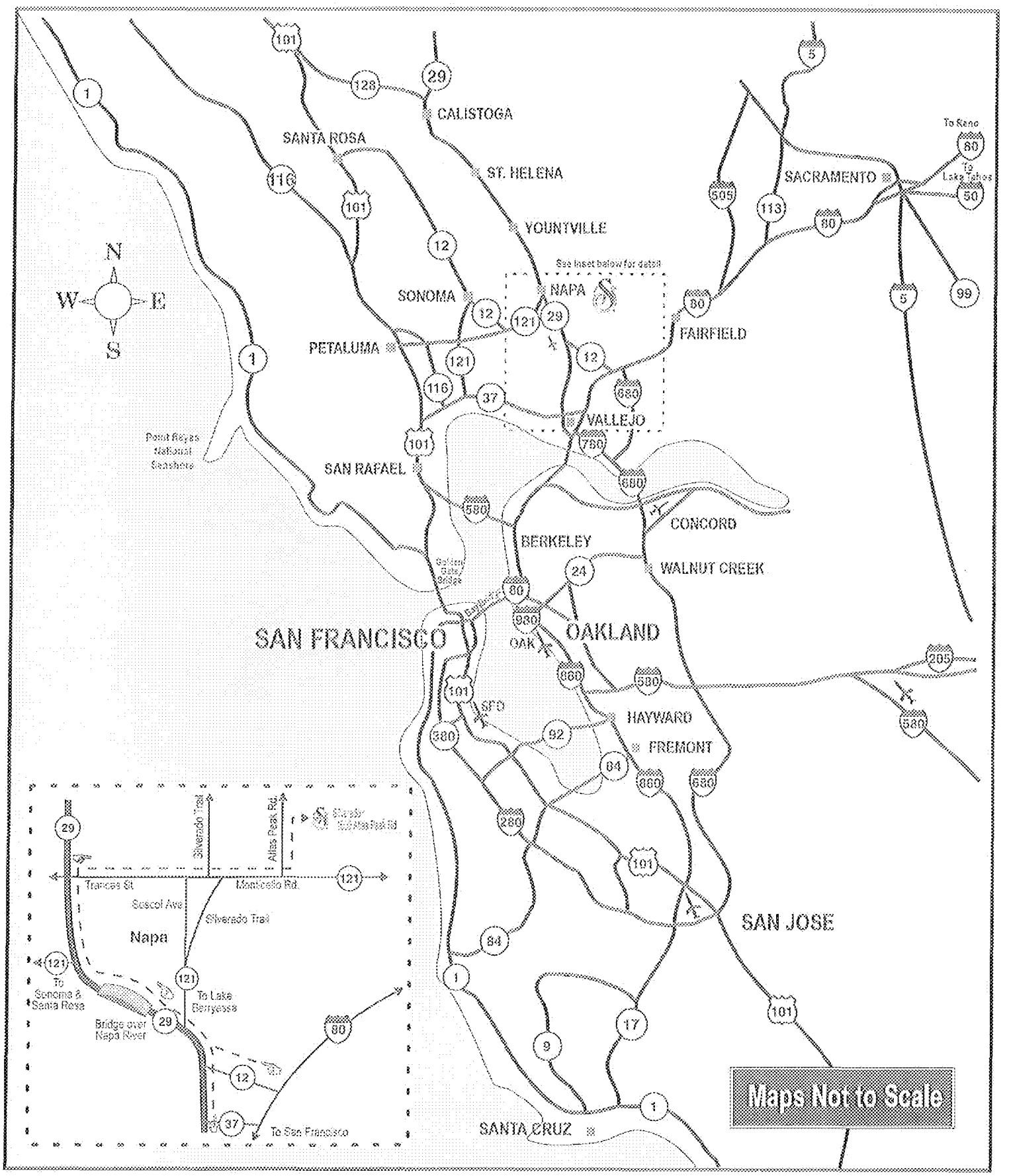
If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

CPUC02695

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road becomes Trancas Street
- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

CPUC02696

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

PARTICIPANTS

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
Michel Florio, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

Mary D. Nichols, Chairman

OFFICE OF THE GOVERNOR

Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Wade Crowfoot, Deputy Director, Governor's Office of Planning & Research
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Anthony Cannella
Jean Fuller
Ben Hueso
Ricardo Lara
Fran Pavley
Lois Wolk

* Not Confirmed
List @ 4/18/2013

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415 788 1786 www.cfee.net FAX 415 986 2227

Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

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Joan Buchanan
Rocky Chávez
Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
James Patterson
Bill Quirk
Anthony Rendon
Rudy Salas
Scott T. Wilk
Das Williams

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K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
William Boyd, Executive Vice President & Chief Executive Officer, Transwest Express
Stephen J. Callahan, Global Partner, IBM
Kevin Evans, VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
Scott Farris, Director, Government Relations, TransCanada Corporation
* *Susan P. Kennedy,* President & CEO, Advanced MicroGrid Solutions
Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

INVESTOR-OWNED UTILITIES

James P. Avery, Senior Vice President - Power Supply, Sempra Energy Utilities
Thomas E. Bottorff, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stuart R. Hemphill, Senior VP, Power Supply, Southern California Edison

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INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
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Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

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*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

*presenter not confirmed

Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

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John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Monday, April 22, 2013 10:32 AM
To: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject: CFEE Buffet Lunch @ Silverado Conference Facilities
Attach: Untitled Attachment

From:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent:	Monday, April 22, 2013 10:36 AM
To:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject:	CFEE HOTEL, MAP & AGENDA ATTACHED Buffet Lunch @ Silverado Conference Facilities
Attach:	Untitled Attachment; HOTEL Confirmation Apr 25-26.pdf; Silverado (CFEE) map Apr 25-26 Napa, CA.pdf; Energy Cover Memo CFEE Apr 25-26.pdf; 4 16 13_DFT_NRG_Agenda (CFEE Apr 25-26).docx

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

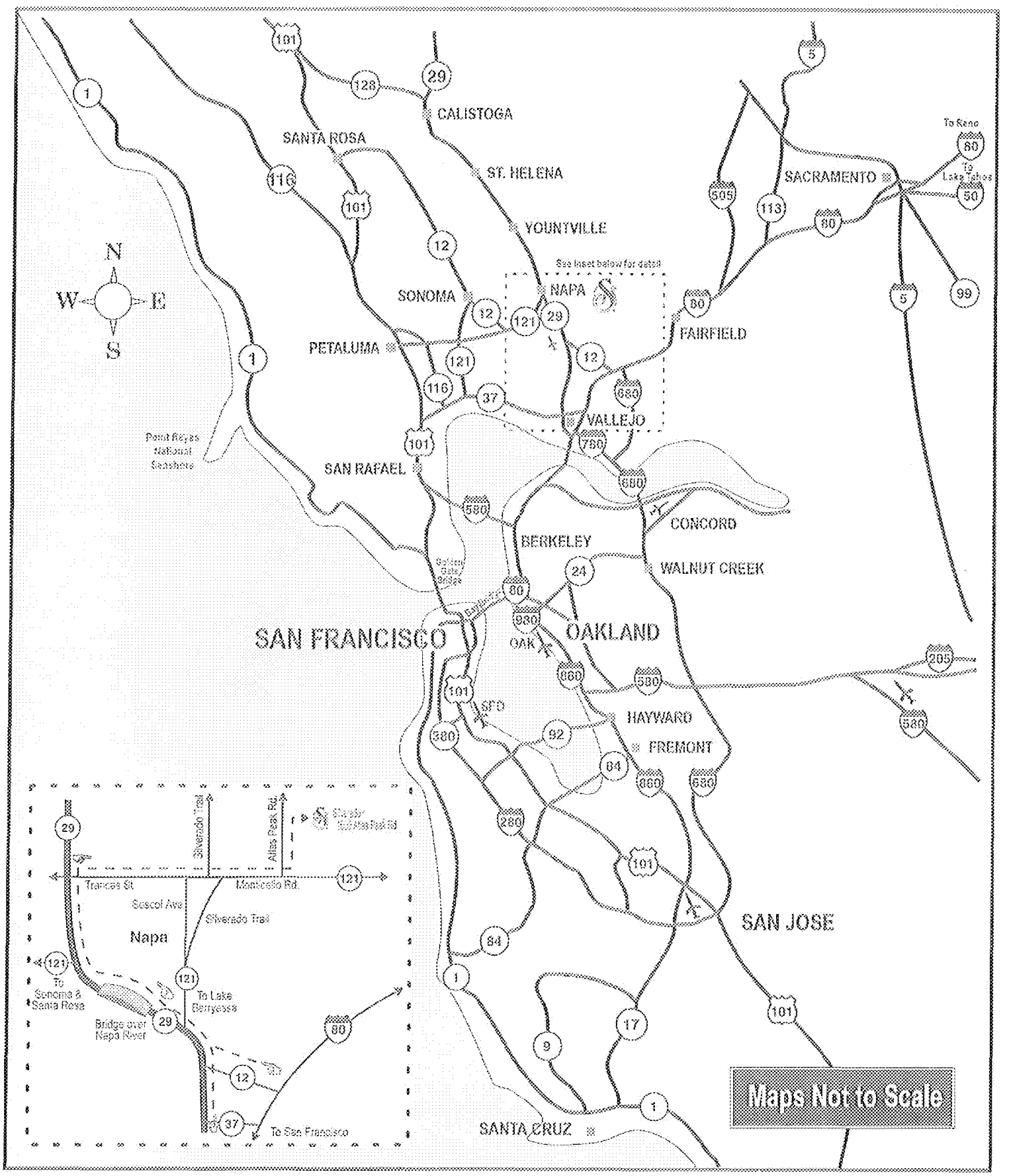
Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812



SILVERADO®

1600 Atlas Peak Road • Napa, California 94558 • 707-257-0200

CPUC02708

DIRECTIONS TO SILVERADO

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE (approximately 62 miles)

- Take Highway 101 North
- Take 80 East and cross the Oakland Bay Bridge
- Follow signs to 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37 (Napa/Vallejo)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right at Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE (approximately 72 miles)

- Take Highway 101 North
- Take the Golden Gate Bridge exit
- Turn left on South Van Ness
- Turn left on Lombard Street (also Highway 101)
- Continue on Highway 101 and cross the Golden Gate Bridge
- Exit Highway 101 at Highway 37 (Napa/Vallejo)
- Turn left on Highway 121 North (Napa/Sonoma)
- Follow 121 North until the highway ends
- Turn left at Highway 29 North
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM OAKLAND AIRPORT (approximately 50 miles)

- Take Hegenberger Road to 880 North
- Continue on 880 North - Downtown Oakland
- 980 to 580 West (Sacramento/San Francisco)
- Continue on 580 West - San Francisco
- Take 80 East (Berkeley/Sacramento)
- Exit 80 East at Highway 37
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

TO SILVERADO FROM CONCORD / WALNUT CREEK / SAN JOSE

- Follow 680 toward Sacramento
- Exit to Highway 12 (Napa)
- Turn right on Highway 29 North (do not exit Napa/Berryessa)
- Turn right on Trancas Street (you are now 10 minutes away)
- Continue on Trancas and follow the sign to Lake Berryessa - Highway 121 (This road is also known as Monticello Road, but is not marked)
- Turn left on Atlas Peak Road
- Turn right at the traffic light and drive right up to the Mansion!

DIRECTIONS FROM SILVERADO

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA THE OAKLAND BAY BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn left on Highway 37 East
- Take 80 West to San Francisco
- Cross the Oakland Bay Bridge
- Take Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO SAN FRANCISCO INTERNATIONAL AIRPORT VIA GOLDEN GATE BRIDGE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right at Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left onto Highway 29 South
- Turn right to Highway 121/12 (Sonoma)
- Follow Highway 121 South
- Turn right on Highway 37 West
- Turn left on Highway 101 South
- Cross the Golden Gate Bridge and take the Lombard Street exit
- Turn left on Lombard (also Highway 101 South)
- Turn right on Van Ness Avenue (still Highway 101 South)
- Watch for 101 South signs on ramp just beyond Market Street
- Turn left onto Highway 101 South (San Jose)
- Exit at San Francisco International Airport

TO OAKLAND AIRPORT

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road will become Trancas Street
- Continue on Trancas Street
- Turn left on Highway 29 South
- Turn left on Highway 37 East
- Take 80 West - San Francisco
- Take 580 South - Hayward/Stockton
- Take 980 - Downtown Oakland
- Take 880 South - San Jose
- Take Oakland Airport exit (Hegenberger Road)

TO CONCORD / WALNUT CREEK / SAN JOSE

- Leaving the mansion turn left at the stoplight onto Atlas Peak Road
- Turn right on Monticello Road
- Monticello Road becomes Trancas Street
- Continue on Trancas Street
- Turn left at Highway 29 South
- Turn left on Highway 37
- Take 80 West - San Francisco
- Take 780 to 680

To hear recorded directions, please call (707) 257-0200 and ask for the Direction Mailbox.

CPUC02709

Patrick F. Mason, Ph. D.
President

April 11, 2013

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the **Energy Roundtable Conference in Napa, California.**

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-2:00 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steve Berberich, President & CEO, California Independent System Operator

2:00 pm-2:30 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Bob Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

*presenter not confirmed

2:30 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

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Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission

*presenter not confirmed

Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

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****Heather Sanders,*** Director, Smart Grid Technologies and Strategies, CAISO
****Wade Crowfoot,*** Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.16.13

*presenter not confirmed

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Monday, April 22, 2013 10:37 AM
To: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject: CFEE Continental Breakfast
Attach: Untitled Attachment

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Monday, April 22, 2013 10:47 AM
To: Meta Winn <Meta@cfee.net>
Subject: RE: CFEE Energy Mail Out/Sadler

Thank you!

From: Meta Winn [mailto:Meta@cfee.net]
Sent: Monday, April 22, 2013 9:51 AM
To: Wilson, Yvonne D.
Cc: Celeste Cremen
Subject: FW: CFEE Energy Mail Out/Sadler

From: Meta Winn <Meta@cfee.net>
Date: Friday, April 19, 2013 2:25 PM
To: <lynn.sadler@cpuc.ca.gov>
Cc: Celeste Cremen <celeste@cfee.net>
Subject: CFEE Energy Mail Out/Sadler

Dear Ms. Sadler,

Please find attached, a copy of the cover memo, draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as directions to CFEE's Energy Roundtable Conference in Napa, California.

Please contact Celeste Cremen, our Conference Coordinator, if you have any questions at 415-788-0812.

Sincerely,

Meta Winn
Executive Assistant

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent: Monday, April 22, 2013 10:59 AM
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: bio request for CFEE conf

Nick currently serves as Governor Jerry Brown's Special Advisor to the CPUC for Distributed Generation, Combined Heat and Power and Energy Storage. In this role, Nick is focused on the development and implementation of DG, CHP and Energy Storage Policy. Nick previously served as the director of new market development and government affairs of Q-Cells NA, where he was responsible for leading Q-Cells' strategic marketing efforts, as well as representing Q-Cells with local, state and federal government agencies. He received his BA in international relations at Tufts University and his MBA from Georgetown University.

Please put Governor's Office on the tag

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Friday, April 19, 2013 3:58 PM
To: Chaset, Nicolas L.
Subject: bio request for CFEE conf

Nick,
Can you please email me a brief bio for your introduction at the conference?
And should we show, as your organization, on your name tag Governor's Office, or C.P.U.C.?

Thank you,
Joan Lynch
Office Administrator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Beth Vaughan <beth@beth411.com>
Sent:	Monday, April 22, 2013 11:09 AM
To:	Michael R. Peevey <michael.peevey@cpuc.ca.gov>; Robert Weisenmiller <RWeisenm@energy.state.ca.us>; Mary D. Nichols <mnichols@arb.ca.gov>; Steve Berberich <SBerberich@caiso.com>
Cc:	Virgil Welch <vwelch@arb.ca.gov>; Karen Edson <kedson@caiso.com>; Carol A. Brown <carol.brown@cpuc.ca.gov>; Mack, Grant@Energy <Grant.Mack@energy.ca.gov>; Hubner, Kim <KHubner@caiso.com>; Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>; 'Pat Mason' <pat@cfee.net>
Subject:	CFEE Energy Conference: Session 5 speakers
Attach:	041813 Energy Participants.pdf; 4.19.13_DFT_NRG_Agenda.docx

Mary, Mike, Bob & Steve,

We have the four of you speaking in the first session on Friday morning, "Aligning Energy and Climate Policies". The idea here is to have the "energy principals" talk about how they coordinate activities between their agencies, e.g. on the development of policies and the challenges of implementation. With your busy schedules we are not going to have the time for a conference call prior to this session. Let's plan to meet up during the reception/dinner on Thursday night (Mary will arrive at the conference after her Board meeting) to discuss who will say what, and in what order. You are all seasoned veterans of CFEE conferences, so you know that we ask speakers to prepare brief opening remarks (5-7 min each) to set the stage for the roundtable discussion (please no power point presentations). No doubt participants will have questions for the four of you, so I expect this session to be mostly ad lib.

Thanks for participating – we have an impressive group (see the attached participant list), with 20 legislators confirmed. If you or your staff have any questions or comments, please do not hesitate to contact me on my cell: 925-408-5142.

Beth

Beth Vaughan
Policy Consultant
CFEE
(925) 408-5142 cell

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
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Bob Weisenmiller, Chair, California Energy Commission
Steve Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

PARTICIPANTS

CFEE ROUNDTABLE CONFERENCE ON ENERGY

Silverado Conference Center, Napa, California
April 25-26, 2013

CALIFORNIA PUBLIC UTILITIES COMMISSION

Michael R. Peevey, President (Day 1 & 2)
Mark Ferron, Commissioner (Day 1 only)
Michel Florio, Commissioner (Day 2 only)

CALIFORNIA ENERGY COMMISSION

Robert Weisenmiller, Chair
Andrew McAllister, Commissioner

AIR RESOURCES BOARD

Mary D. Nichols, Chairman

OFFICE OF THE GOVERNOR

Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Wade Crowfoot, Deputy Director, Governor's Office of Planning & Research
Cliff Rechtschaffen, Senior Advisor to the Governor

CALIFORNIA STATE SENATE

Anthony Cannella
Jean Fuller
Ben Hueso
Ricardo Lara
Fran Pavley
Lois Wolk

* Not Confirmed
List @ 4/18/2013

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

Roderick D. Wright

CALIFORNIA STATE ASSEMBLY

Steven C. Bradford
Joan Buchanan
Rocky Chávez
Susan Talamantes Eggman
Cristina Garcia
Mike Gatto
Roger Hernández
James Patterson
Bill Quirk
Anthony Rendon
Rudy Salas
Scott T. Wilk
Das Williams

BUSINESS / INDUSTRY

K.C. Bishop, Senior Consultant, Calif. State Relations, Chevron Corporation
Beth A. Bowman, Senior Vice President, Shell Energy North America
William Boyd, Executive Vice President & Chief Executive Officer, Transwest Express
Stephen J. Callahan, Global Partner, IBM
Kevin Evans, VP & GM, Integrated Demand Resources, Building Efficiency, Johnson Controls, Inc.
Scott Farris, Director, Government Relations, TransCanada Corporation
* *Susan P. Kennedy,* President & CEO, Advanced MicroGrid Solutions
Michael Mallonee, Construction and Procurement Manager, Sener Engineering and Systems, Inc.

INVESTOR-OWNED UTILITIES

James P. Avery, Senior Vice President - Power Supply, Sempra Energy Utilities
Thomas E. Bottorff, Senior V.P., Regulatory Relations, Pacific Gas & Electric Company
Stuart R. Hemphill, Senior VP, Power Supply, Southern California Edison

* Not Confirmed
List @ 4/18/2013

PUBLICLY-OWNED UTILITIES

John DiStasio, General Manager & Chief Executive Officer, Sacramento Municipal Utility District
Ronald Nichols, General Manager, Los Angeles Department of Water & Power
James H. Pope, General Manager, Northern California Power Agency

INDEPENDENT POWER PRODUCERS

Ellie Booth, Director, State Government Relations, Covanta Energy Corporation
John Chillemi, Senior Vice President & President, West Region, NRG Energy
Martin Daley, Vice President & General Manager, Dynegy Power, LLC
Joseph F. Desmond, SVP, Government Affairs & Communications, BrightSource Energy
Kassandra F. Gough, Director, Government & Legislative Affairs, Calpine Corporation
Matt Handel, Vice President, Solar Business Development, NextEra Energy Resources
Mary Lynch, Vice President, State Government Affairs - West, Exelon Corporation
Eric Pendergraft, President, AES Southland
* *Joseph E. Ronan,* Senior Vice President, Govt. & Regulatory Affairs, Calpine Corporation
Jan Smutny-Jones, Executive Director, Independent Energy Producers Association
Thomas Starrs, VP, Market Development and Policy, SunPower Corporation

CALIFORNIA INDEPENDENT SYSTEM OPERATOR

Robert G. Foster, Chair, Board of Governors
Stephen Berberich, President & Chief Executive Officer

ENVIRONMENTAL

Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER

Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

* Not Confirmed
List @ 4/18/2013

LABOR

Daniel M. Curtin, Director, California Conference of Carpenters
Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
* *Jeremiah Hallisey,* Member, California Construction Industry Labor Management Trust
Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY

Patrick F. Mason, President
Beth E. Vaughan, Policy Consultant
Celeste Cremen, Conference Coordinator
Emilie Chu, Controller
Joan Lynch, Assistant to Conference Coordinator
Nora Traughber, Fellow

OBSERVERS

Kevin Barker, Advisor to Chairman Weisenmiller, California Energy Commission
Sean Beatty, Director, Regulatory Affairs, NRG Energy
Gregory Blue, Regulatory & Government Affairs, GTB Consulting
* *Patricia T. Clarey,* Sr. VP, External Relations and Regulatory Officer, Health Net, Inc.
Jeanne Clinton, Special Advisor to the Governor for Energy Efficiency, C.P.U.C.
Ronald Cochran, Jr., Sr. Assistant Business Manager, IBEW Local Union 1245
Michael Colvin, Energy Advisor to Commissioner Ferron, C.P.U.C.
Richard Corey, Executive Officer, California Air Resources Board
Karen Edson, Vice President, External Affairs, California Independent System Operator
Davina Flemings, Principal Consultant, Assembly Utilities and Commerce Committee
Matt Freedman, Staff Attorney, The Utility Reform Network (TURN)
Michael Gianunzio, Director, Chief Legislative & Regulatory Affairs Officer, S.M.U.D.
Julie Gill, Director of Regulatory & Government Affairs, AES Southland
Kerry Hattevik, Director of West Market Affairs, NextEra Energy Resources
Charlyn Hook, Legal Advisor for Commissioner Mark Ferron, C.P.U.C.

* Not Confirmed
List @ 4/18/2013

* *Lourdes Jimenez,* Senior Assistant, Office of Senator Ben Hueso
Aaron Johnson, Sr. Director, Customer Programs, Pacific Gas & Electric Company
* *Marc D. Joseph,* Attorney, Adams, Broadwell, Joseph & Cardozo
Sara Kamins, Energy Advisor to Commissioner Mark Ferron, C.P.U.C.
Sue Kateley, Chief Consultant, CA State Assem Committee on Utilities & Commerce
Stephen J. Larson, Executive Director, California Energy Systems for the 21st Century
* *Michael Liikala,* International Representative, TBA
Chloe Lukins, Program Mgr, Electricity Planning & Policy, Division of Ratepayer Advocates, C.P.U.C.
James Metropulos, Consultant, Energy & Environmental Policy, Office of Senator Lois Wolk
William Miller, President, TransWest Express, LLC
Marcie A. Milner, Vice President, Regulatory Affairs, Shell Energy North America
Robert Oglesby, Executive Director, California Energy Commission
Alan Padgett, Vice President, Assest Management, GasCo, Dynegy Inc.
Dan Patry, Manager, Policy Initiatives, Recurrent Energy
Ryan Pierini, Chief of Staff, Office of Assembly Member William Quirk
Marcelo Poirier, Legal Advisor to Commissioner Michel Florio, C.P.U.C.
Edward Randolph, Director, Energy Division, C.P.U.C.
Nancy E. Ryan, Director of Policy and Strategy, E3 Energy + Environmental Economics
* *Lynn Sadler*, Director of Governmental Affairs, C.P.U.C.
Daniel Skopec, Vice President, Regulatory & Legislative Affairs, Sempra Energy Utilities
Charlotte TerKeurst, Chief of Staff to Commissioner Mark Ferron, C.P.U.C.
Matthew Tisdale, Senior Energy Advisor to Commissioner Michel Florio, C.P.U.C.
Dave Titus, Chief of Staff, Office of Assembly Member Beth Gaines
Fong Wan, Sr. Vice President, Energy Procurement, Pacific Gas & Electric Company
Virgil Welch, Special Assistant, California Air Resources Board
Michael Wheeler, Director of Policy Initiatives, Recurrent Energy
Laura Wisland, Clean Energy Analyst, Union of Concerned Scientists

* Not Confirmed
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D R A F T A G E N D A

CFEE Energy Conference: Transitioning to a Clean Energy Future

April 25-26, 2013
Silverado Conference Center, Napa, California

Thursday, April 25th— Silverado West Ballroom

12:00 pm-1:00 pm – Buffet Lunch – Fairway Deck

1:00 pm-1:15 pm – Welcome and Introduction – Silverado West Ballroom

Patrick F. Mason, President, CFEE

1:15 pm-1:45 pm—SESSION 1: California Energy 101
How California's energy sector produces and delivers power in the state, including the challenges of operating and maintaining the grid.

Jan Smutny-Jones, Executive Director, Independent Energy Producers
Steven Berberich, President & CEO, California Independent System Operator

1:45 pm-2:15 pm—SESSION 2: The Cornerstone of California's Energy Policy – The Loading Order
Since the energy crisis, state policy has been that the overarching goal is for California's energy to be reliable, affordable, technologically advanced, and environmentally-sound. The loading order, first adopted in the 2003 Energy Action Plan, describes the priority sequence for actions to address future energy needs. The loading order identifies energy efficiency and demand response as the State's preferred means of meeting growing energy needs. After cost-effective efficiency and demand response, we rely on renewable sources of power and distributed generation, such as combined heat and power applications. To the extent efficiency, demand response, renewable resources, and distributed generation are unable to satisfy increasing energy and capacity needs, we support clean and efficient fossil-fired generation. Concurrently, the bulk electricity transmission grid and distribution facility infrastructure must be improved to support growing demand centers and the interconnection of new generation, both on the utility and customer side of the meter. Energy procurement over the last decade has been guided by these principles. How was the loading order established and why has it endured for over a decade? Is it still effective policy?

During the sessions to follow, we will examine the detailed policies that evolved from the loading order, the related goals, status towards achieving those goals, and next steps. We will also consider how these key policies line up with California's climate change policies.

Mike Peevey, President, California Public Utilities Commission
Robert Weisenmiller, Chair, California Energy Commission

Roundtable Discussion

2:15 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response
What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission
Mark Ferron, Commissioner, California Public Utilities Commission
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council

Roundtable Discussion

3:30 pm-3:45 pm – Break

3:45 pm - 5:15 pm—SESSION 4: Renewable Resources and Distributed Generation
What are our renewable goals in terms of state and local energy policies, and climate change policy? The state has a goal to procure 33% of the state's generation from renewable resources, and reportedly the utilities have executed sufficient power purchase agreements to exceed this goal. What is the current status towards achieving these goals? What are the challenges (e.g. How will the influx of renewable and DG energy impact the transmission and distribution system? Can we expect all of these contracts to deliver?) How does the renewable energy policy goals fit with other state policies, e.g. vehicle electrification and energy storage policies? What are the costs and benefits involved? What are the next steps?

Nick Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
Laura Wisland, Senior Energy Analyst, Union of Concerned Scientists
Tom Starrs, VP, Market Development and Policy, SunPower Corporation
Jim Avery, Senior VP, Power Supply, Sempra Energy Utilities

Roundtable Discussion

6:00 pm – Reception and Dinner—Merryvale Vineyards

Friday, April 26th—Silverado West Ballroom

7:30 am - 8:30 am – Continental Breakfast

8:30 am - 9:45 am—SESSION 5: Aligning Energy and Climate Policies
How do agencies coordinate and align sometimes conflicting policies? What has been the impact of AB 32 on California's electricity sector in terms of both the implementation of Scoping Plan measures, and the cap-and-trade program? What transformative changes are needed to meet 2050 climate change and energy goals?

Mary Nichols, Chairman, Air Resources Board
Mike Peevey, President, California Public Utilities Commission
Robert Weisenmiller, Chair, California Energy Commission
Steven Berberich, President & CEO, California Independent System Operator

Roundtable Discussion

9:45 am - 11:00 am—SESSION 6: Role of Clean and Efficient Fossil Fuel Generation
Integrating renewables into the system puts a new focus on the role and attributes of fossil fuel resources. What are the challenges and what is the strategy for long term procurement? What are the costs and benefits involved? As once-thru-cooling plants retire and the future of SONGS is uncertain, how have state policies evolved and what does the future hold?

Mike Florio, Commissioner, California Public Utilities Commission
John Chillemi, Senior Vice President and President, West Region, NRG
Stuart Hemphill, Senior VP, Power Supply, Southern California Edison
Fong Wan, Senior VP, Energy Procurement, PG&E

Roundtable Discussion

11:00 am - 11:15 am – Break

11:15 am - 12:30 pm—SESSION 7: Planning for an Evolving Electricity Industry Structure
How do we accommodate and integrate this evolving structure both in long-term planning and procurement, but also in business/regulatory models or structures? This includes increasing levels of energy efficiency and demand response; a smarter grid, new types of electric services enabled by them; electric vehicles; intermittent renewables and flexible fossil resources; rate design issues, etc. Are we too insular in our approach to meeting our future energy needs in a carbon constrained economy? For example, meeting our 2020-2050 greenhouse gas goals requires electrification of the transportation sector—do our policies and structures recognize this new reality?

John DiStasio, General Manager and CEO, Sacramento Municipal Utilities District
Heather Sanders, Director, Smart Grid Technologies and Strategies, CAISO
Wade Crowfoot, Deputy Director, Governor's Office of Planning and Research
Aaron Johnson, Senior Director, Customer Programs, PG&E

Roundtable Discussion

12:30 pm – Closing Remarks

12:45 pm - Adjourn

@ 4.19.13

From: Nichols, Mary D. @ARB <mnichols@arb.ca.gov>
Sent: Monday, April 22, 2013 11:28 AM
To: Beth Vaughan <beth@beth411.com>
Cc: Michael R. Peevey <michael.peevey@cpuc.ca.gov>; Weisenmiller, Robert@Energy <Robert.Weisenmiller@energy.ca.gov>; Steve Berberich <SBerberich@caiso.com>; Welch, Virgil@ARB <vwelch@arb.ca.gov>; Karen Edson <kedson@caiso.com>; Carol A. Brown <carol.brown@cpuc.ca.gov>; Mack, Grant@Energy <Grant.Mack@energy.ca.gov>; Hubner, Kim <KHubner@caiso.com>; Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>; Pat Mason <pat@cfee.net>
Subject: Re: CFEE Energy Conference: Session 5 speakers

That works for me.

Sent from my ARB iPhone

On Apr 22, 2013, at 11:09 AM, "Beth Vaughan" <beth@beth411.com> wrote:

> Mary, Mike, Bob & Steve,
>
> We have the four of you speaking in the first session on Friday morning, Aligning Energy and Climate Policies. The idea here is to have the energy principals talk about how they coordinate activities between their agencies, e.g. on the development of policies and the challenges of implementation. With your busy schedules we are not going to have the time for a conference call prior to this session. Let s plan to meet up during the reception/dinner on Thursday night (Mary will arrive at the conference after her Board meeting) to discuss who will say what, and in what order. You are all seasoned veterans of CFEE conferences, so you know that we ask speakers to prepare brief opening remarks (5-7 min each) to set the stage for the roundtable discussion (please no power point presentations). No doubt participants will have questions for the four of you, so I expect this session to be mostly ad lib.
>
> Thanks for participating we have an impressive group (see the attached participant list), with 20 legislators confirmed. If you or your staff have any questions or comments, please do not hesitate to contact me on my cell: 925-408-5142.
>
> Beth
>
> Beth Vaughan
> Policy Consultant
> CFEE
> (925) 408-5142 cell
>
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> Mike Peevey, President, California Public Utilities Commission
> Bob Weisenmiller, Chair, California Energy Commission
> Steve Berberich, President & CEO, California Independent System Operator
>
> Roundtable Discussion
>
> <041813 Energy Participants.pdf>
> <4.19.13_DFT_NRG_Agenda.docx>

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Tuesday, April 23, 2013 10:21 AM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>; Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject:	Fwd: Net benefits /kWh for EE

One other 'nugget' for the CFEE talk on Thursday, if useful :)

Michael

Begin forwarded message:

> **From:** "Mackin, Dina S." <dina.mackin@cpuc.ca.gov>
> **Date:** April 23, 2013, 10:15:14 AM PDT
> **To:** "Colvin, Michael" <michael.colvin@cpuc.ca.gov>
> **Cc:** "Skala, Pete" <pete.skala@cpuc.ca.gov>, "Marks, Jaclyn" <jaclyn.marks@cpuc.ca.gov>
> **Subject: Net benefits /kWh for EE**
>
> Hi Michael,
>
> Apologies for the delay in getting this to you, it took some follow up to get a set of numbers that made sense. Below are the costs and benefits from reported savings on the 2010-12 portfolio. The implication is that relative to other resources, EE saves $.03/kWh.

	TRC	**PAC**
Cost/kWh	$0.09	$0.06
Gross Benefits/kWh	$0.12	$0.12
Net benefits /kWh	$0.03	$0.06
TRC	1.34	2.03

> I am happy to discuss the details of this calculation if there are any follow up questions--this is calculated based on lifecycle savings, which people often miscalculate the cost/benefit of EE using first year savings, which makes it look mistakenly high.
>
> Dina

From:	Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent:	Tuesday, April 23, 2013 10:43 AM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>; Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Subject:	RE: Net benefits /kWh for EE

Yes, great info to have for comparisson to our Massachusetts rep in tomorrow's meeting.
FYI, I personally prefer to look at the "PAC" perspective, since that looks at how well we are usiing ratepayer funds (including incentives).
A note about the "TRC" is that it counts total cost for a project or measure (ignoring any incentive contributions) but captures only the energy benefits and GHG benefits. If there are other "non-energy benefits" such as improved residential comfort or sound deadening (2-paned windows), or business gains from improved occupant comfort and productivity or product improvements from greater precision with (e.g.) heating or drying controls, … THOSE are not captured by the TRC case.

Also, label on bottom line should be benefit/cost ratio, not "TRC"

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Sent: Tuesday, April 23, 2013 10:21 AM
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> **Subject: Net benefits /kWh for EE**
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Dina

From:	Mark Ferron <mark@theferrons.com>
Sent:	Tuesday, April 23, 2013 3:21 PM
To:	Andrew McAllister <andrew.mcallister@energy.ca.gov>
Cc:	Charlotte TerKeurst <charlotte.terkeurst@cpuc.ca.gov>; Michael Colvin <michael.colvin@cpuc.ca.gov>
Subject:	Talking points on Energy Efficiency for Thursday's CFEE Conference
Attach:	130425 CFEE Conference Talking Points on EE.doc

Hi Andrew,

It was great to catch up last Thursday. As discussed, I am attaching my rough talking points that I cobbled together from material provided by Jeanne and Michael to use during our session on EE at the CFEE Conference on Thursday. Please let me know if you have any comments or if you have any areas that, based on what you plan to say, I should avoid or emphasize.

Cheers

Mark

Mark J. Ferron
Commissioner
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
415-703-2444
http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

Talking Points on EE for CFEE Conference

1. Background on EE

Ferron self-bio: As an outsider, extremely respectful of CA long, and successful history with EE.
> Rosenfeld curve: In 1980, CA was at parity with rest of US, now CA is twice as efficient

- As a fraction of its economy, California's electricity bill is one-third lower than the national average and just over half that of Texas and Florida
- If CA were as energy inefficient as TX, then bills would be $30 billion/year higher
- But we spend a lot: approx $1 billion annually in IOU EE programs alone.
- in 2008, California utilities accounted for between a quarter and one- third of the entire U.S. industry's entire efficiency investments

> EE represents 15% of the total GHG reductions (1990 levels by 2020) more than the 12% from RPS

2. CPUC role involves encouraging innovation, transformation and prudent use of (limited) ratpayer $.

- CPUC jurisdiction is IOU only – about 70% of electric sales, 99% of gas deliveries (but less of gas commodity sales). Also water, some telco, rail safety, household moving vans, pink mustache private limos,
    - Sets rates, determines revenue requirement
    - Oversees IOU EE budgets and plans
- Per 2005 decision, IOUs administer EE programs approved by CPUC. Beginning in 2006, Commission staff (Energy Division) evaluate IOU programs
- Statutory mandates :Foundational
    - "Just and reasonable" rates – PU Code 451
    - "All practicable and cost-effective" conservation / EE – PU Code 701(b)
- More recent provisions
    - "All cost-effective EE" - PU Code Sections 454.5.(b)(9)(C) ("loading order" / electric EE procurement provision)
    - Set EE goals based on "all cost-effective EE" - PU Code 454.55 (electric) and 454.56 (gas)
    - Electric PGC surcharge – PU Code 381 and 399 (now expired)
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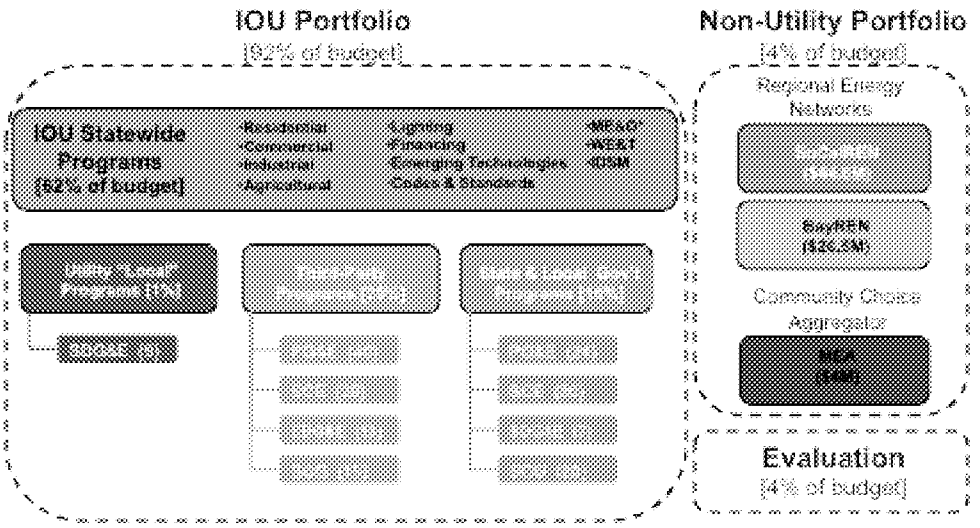
- Program design
    - CPUC sets broad policy goals; IOUs design programs; CPUC monitors ex post performance
    - CPUC must have "light touch" on specifics of EE programs, emphasizing broad policies and principles, given both details of EE programs and market, and huge bandwidth of CPUC institutional responsibilities (and realtive to modest staff levels)

>>>> Background slides from Primer presentation

2013-14 EE Portfolio Organization



[%] = Percent of total budget ($1.9B total)
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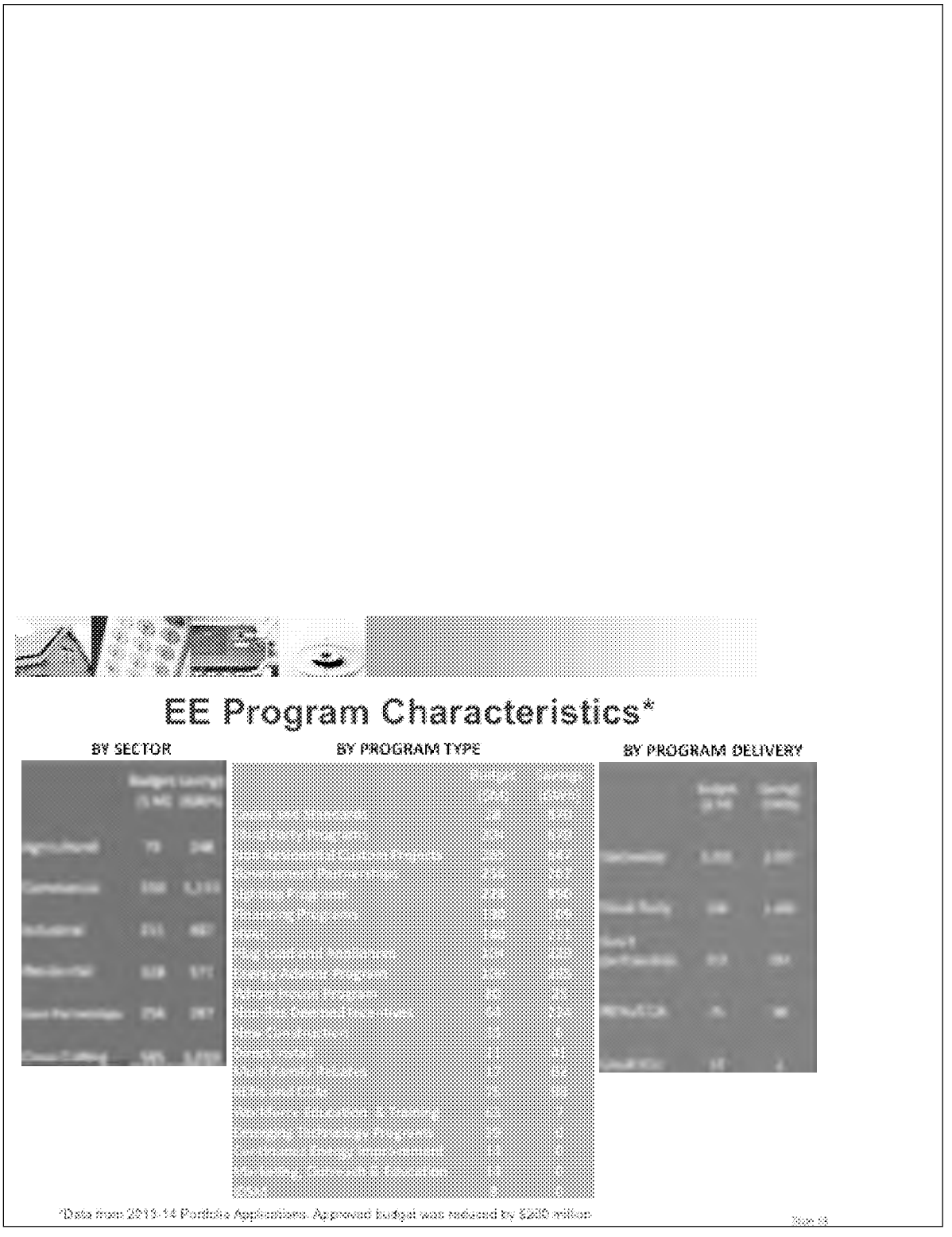

3. Challenges and Responses:

<u>Challenges</u>

1. EE's declining cost effectiveness: is both good news (harvesting lower lying fruit) and bad news (harder to achieve savings): We are under statutory mandate to do all cost effective EE. A really high TRC indicates that we are leaving savings on the table.

2010-12 Portfolio	**TRC**	**PAC**
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2. Over reliance on CFL (2/3 of 2010-12 savings) = lack of innovation; quality control vs modeling assumptions
   - But growing potential for Commercial and residential building

3. First cost barriers to EE: positive ROE but high up-front costs => lack of access to capital significant barrier

4. Disconnect with CAISO / CEC on forecasts: "additional achievable" (AKA "uncommitted" = continuation of programs but not yet funded) EE saving discounted; DR not seen as dispatchable, reliable resource
   - Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

Responses

1. "Transition" EE decision for 2013-14
   a. Expand deep retrofit strategies for existing building stock
   b. Leverage ratepayer energy efficiency funds with private financing: OBF, ARRA programs + 4 pilots
   c. Increase the delivery of efficiency programs by third parties and local governments => RENs
   d. Promote an integrated approach to Codes and Standards
   e. Encourage innovation
2. EE as long-term resource
   a. Coordination with CEC and CAISO
   b. Long-term procurement?
   c. Threat to long-term funding of EE and DR programs (e.g., PGC)
3. DR as a resource focus:
   a. Demand Analysis Working Group (DAWG): Energy Savings, DG, Demand Forecasting

      The DAWG sets methods, inputs, and assumptions to be used for long-term energy demand assessments and forecasts to improve quantification of energy efficiency in the demand forecasts, including:
      - Inputs to and development of demand forecasts; and
      - Modeling assumptions and techniques used to produce the forecasts incorporating load-modifying activities such as energy efficiency into demand forecasts

b. Demand Response Measurement and Evaluation Cmtee (DRMEC)
The DRMEC provides oversight of all statewide and non-statewide demand response program evaluations and load impact assessments. DRMEC process evaluations consist of in-depth examinations of the design, delivery, and operations of DR programs in order to improve the ability of programs to achieve their energy savings and accomplish program goals.

More details on EE Finance Pilots

1. Single Family Direct Loan Program (with Loan Loss Reserves);
2. Energy Finance Line-Item Charge;
3. Master metered multi-family with OBR: CE is debt service reserve fund
4. Small Business OBR Lease providers with credit enhancement

From: Mark Ferron <mark@theferrons.com>
Sent: Tuesday, April 23, 2013 3:26 PM
To: fer@cpuc.ca.gov
Subject: Fwd: Talking points on Energy Efficiency for Thursday's CFEE Conference
Attach: 130425 CFEE Conference Talking Points on EE.doc

---------- Forwarded message ----------
From: **Mark Ferron** <mark@theferrons.com>
Date: Tue, Apr 23, 2013 at 3:20 PM
Subject: Talking points on Energy Efficiency for Thursday's CFEE Conference
To: Andrew McAllister <andrew.mcallister@energy.ca.gov>
Cc: Charlotte TerKeurst <charlotte.terkeurst@cpuc.ca.gov>, Michael Colvin <michael.colvin@cpuc.ca.gov>

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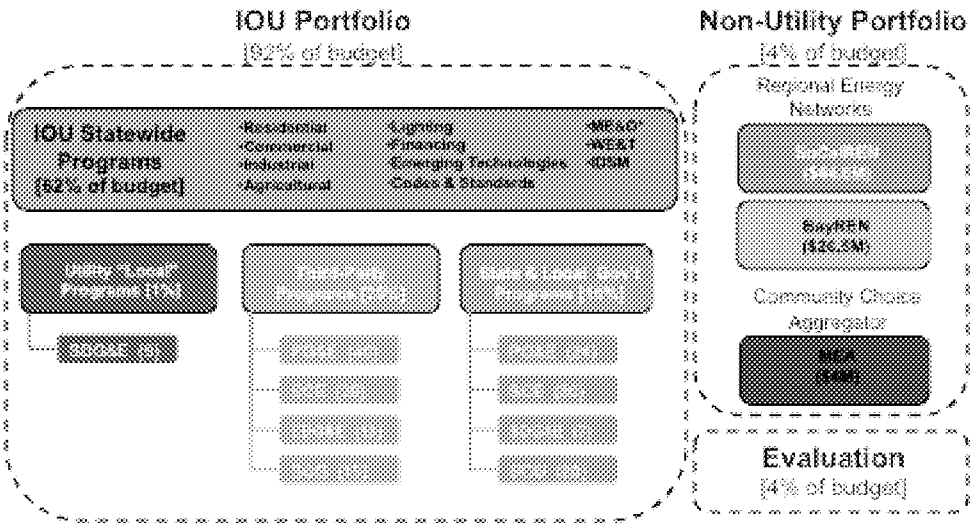
2013-14 EE Portfolio Organization



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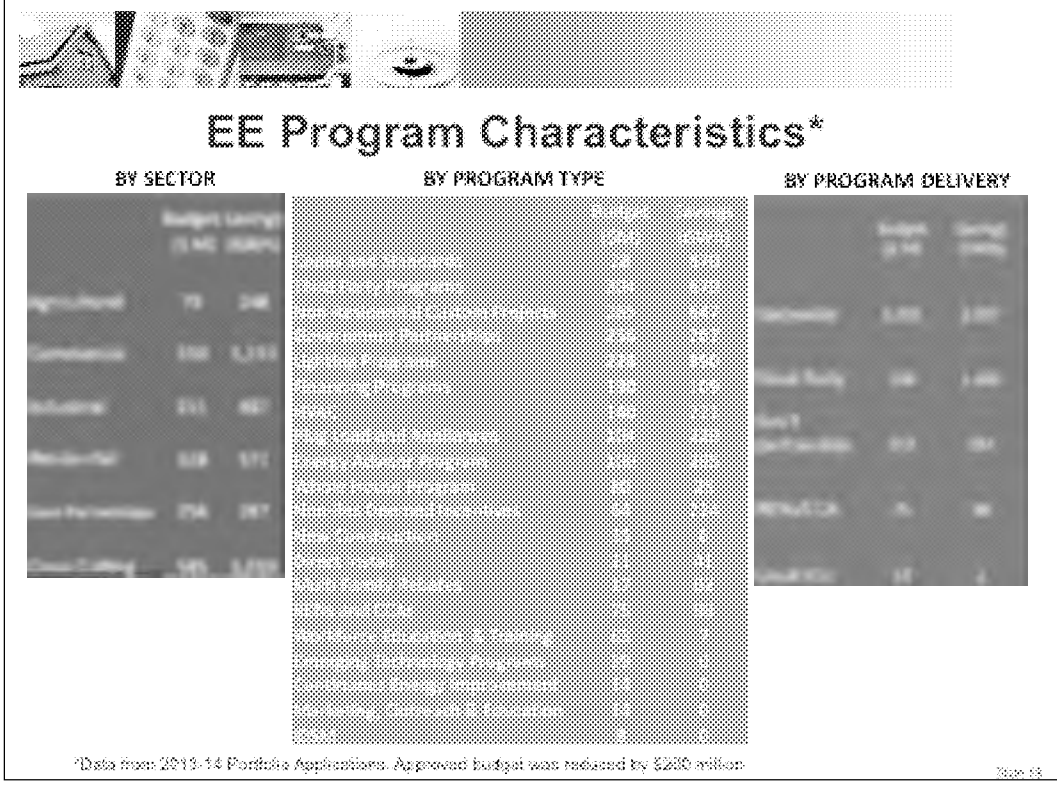

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Responses

1. "Transition" EE decision for 2013-14
   a. Expand deep retrofit strategies for existing building stock
   b. Leverage ratepayer energy efficiency funds with private financing: OBF, ARRA programs + 4 pilots
   c. Increase the delivery of efficiency programs by third parties and local governments => RENs
   d. Promote an integrated approach to Codes and Standards
   e. Encourage innovation
2. EE as long-term resource
   a. Coordination with CEC and CAISO
   b. Long-term procurement?
   c. Threat to long-term funding of EE and DR programs (e.g., PGC)
3. DR as a resource focus:
   a. Demand Analysis Working Group (DAWG): Energy Savings, DG, Demand Forecasting

      The DAWG sets methods, inputs, and assumptions to be used for long-term energy demand assessments and forecasts to improve quantification of energy efficiency in the demand forecasts, including:
      - Inputs to and development of demand forecasts; and
      - Modeling assumptions and techniques used to produce the forecasts incorporating load-modifying activities such as energy efficiency into demand forecasts

b. Demand Response Measurement and Evaluation Cmtee (DRMEC)
The DRMEC provides oversight of all statewide and non-statewide demand response program evaluations and load impact assessments. DRMEC process evaluations consist of in-depth examinations of the design, delivery, and operations of DR programs in order to improve the ability of programs to achieve their energy savings and accomplish program goals.

More details on EE Finance Pilots

1. Single Family Direct Loan Program (with Loan Loss Reserves);
2. Energy Finance Line-Item Charge;
3. Master metered multi-family with OBR: CE is debt service reserve fund
4. Small Business OBR Lease providers with credit enhancement

From:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Sent:	Tuesday, April 23, 2013 3:30 PM
To:	Andrew McAllister <andrew.mcallister@energy.ca.gov>
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>; Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Subject:	Talking points on Energy Efficiency for Thursday's CFEE Conference
Attach:	130425 CFEE Conference Talking Points on EE.doc

Hi Andrew,

It was great to catch up last Thursday. As discussed, I am attaching my rough talking points that I cobbled together from material provided by Jeanne and Michael to use during our session on EE at the CFEE Conference on Thursday. Please let me know if you have any comments or if you have any areas that, based on what you plan to say, I should avoid or emphasize.

Cheers

Mark

(p.s., Because I received an email error message, I am resending, so apologies for duplication....)

Mark J. Ferron
Commissioner
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
415-703-2444
http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

Talking Points on EE for CFEE Conference

1. Background on EE

Ferron self-bio: As an outsider, extremely respectful of CA long, and successful history with EE.
> Rosenfeld curve: In 1980, CA was at parity with rest of US, now CA is twice as efficient

- As a fraction of its economy, California's electricity bill is one-third lower than the national average and just over half that of Texas and Florida
- If CA were as energy inefficient as TX, then bills would be $30 billion/year higher
- But we spend a lot: approx $1 billion annually in IOU EE programs alone.
- in 2008, California utilities accounted for between a quarter and one- third of the entire U.S. industry's entire efficiency investments

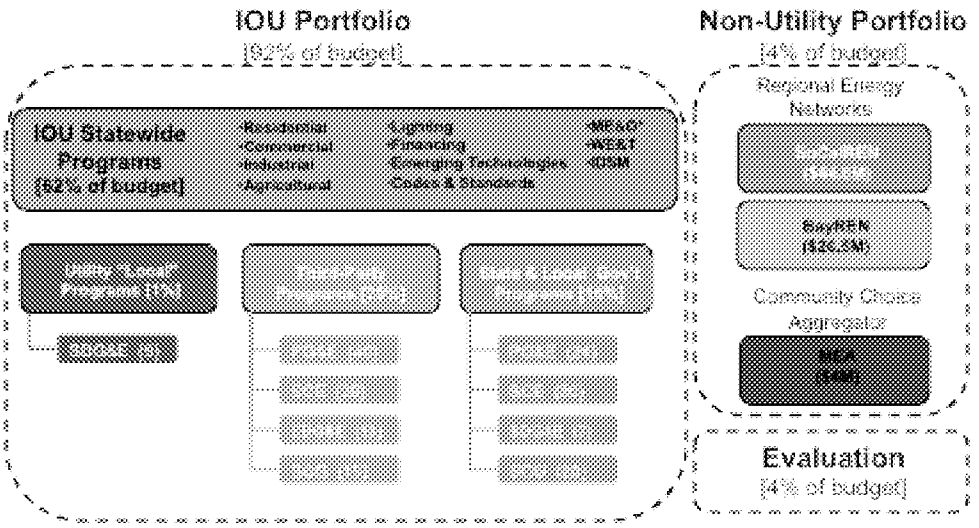
> EE represents 15% of the total GHG reductions (1990 levels by 2020) more than the 12% from RPS

2. CPUC role involves encouraging innovation, transformation and prudent use of (limited) ratpayer $.

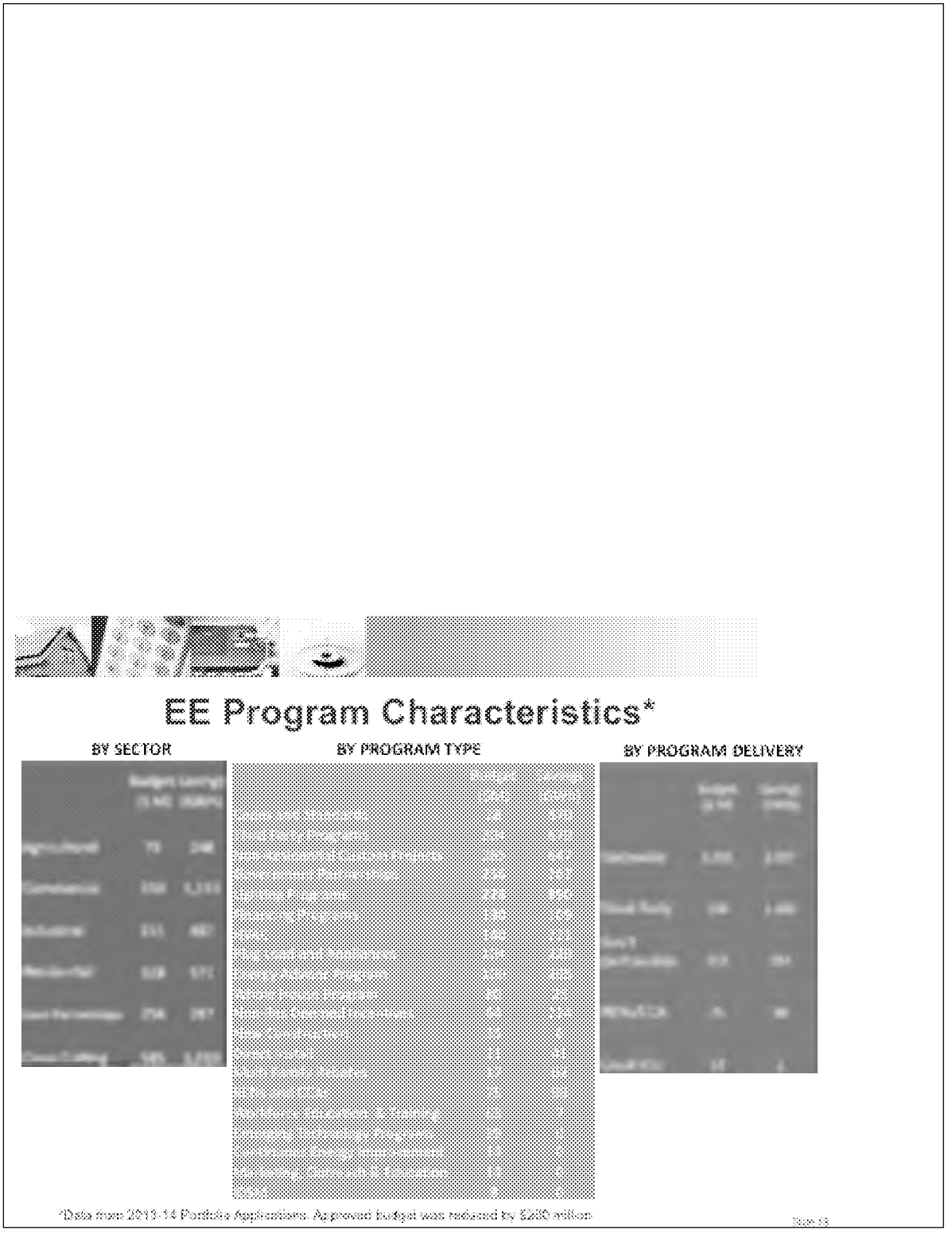
- CPUC jurisdiction is IOU only – about 70% of electric sales, 99% of gas deliveries (but less of gas commodity sales). Also water, some telco, rail safety, household moving vans, pink mustache private limos,
    - Sets rates, determines revenue requirement
    - Oversees IOU EE budgets and plans
- Per 2005 decision, IOUs administer EE programs approved by CPUC. Beginning in 2006, Commission staff (Energy Division) evaluate IOU programs
- Statutory mandates :Foundational
    - "Just and reasonable" rates – PU Code 451
    - "All practicable and cost-effective" conservation / EE – PU Code 701(b)
- More recent provisions
    - "All cost-effective EE" - PU Code Sections 454.5.(b)(9)(C) ("loading order" / electric EE procurement provision)
    - Set EE goals based on "all cost-effective EE" - PU Code 454.55 (electric) and 454.56 (gas)
    - Electric PGC surcharge – PU Code 381 and 399 (now expired)
    - Natural Gas PPP surcharge – PU Code 890-899 (no sunset)
- Program design
    - CPUC sets broad policy goals; IOUs design programs; CPUC monitors ex post performance
    - CPUC must have "light touch" on specifics of EE programs, emphasizing broad policies and principles, given both details of EE programs and market, and huge bandwidth of CPUC institutional responsibilities (and realtive to modest staff levels)

>>>> Background slides from Primer presentation

2013-14 EE Portfolio Organization



[%] = Percent of total budget ($1.9B Total)
[#] = Number of individual programs
* ME&O budgets are currently pending in an application before Commission



3. Challenges and Responses:

<u>Challenges</u>

1. EE's declining cost effectiveness: is both good news (harvesting lower lying fruit) and bad news (harder to achieve savings): We are under statutory mandate to do all cost effective EE. A really high TRC indicates that we are leaving savings on the table.

2010-12 Portfolio	**TRC**	**PAC**
Cost/kWh	$0.09	$0.06
Gross Benefits/kWh	$0.12	$0.12
Net benefits /kWh	$0.03	$0.06
Benefit/Cost Ratio	1.34	2.03

"TRC" counts total cost for a project or measure (ignoring any incentive contributions) but captures only the energy benefits and GHG benefits. TRC excludes other "non-energy benefits" such as improved residential comfort or sound deadening (2-paned windows), or business gains from improved occupant comfort and productivity or product improvements from greater precision with (e.g.) heating or drying controls. "PAC" measures how well we are using ratepayer funds (including incentives).

2. Over reliance on CFL (2/3 of 2010-12 savings) = lack of innovation; quality control vs modeling assumptions
   - But growing potential for Commercial and residential building

3. First cost barriers to EE: positive ROE but high up-front costs => lack of access to capital significant barrier

4. Disconnect with CAISO / CEC on forecasts: "additional achievable" (AKA "uncommitted" = continuation of programs but not yet funded) EE saving discounted; DR not seen as dispatchable, reliable resource
   - Utility programs by definition are voluntary strategies to mobilize market and encourage investment by owners/occupants of buildings, business, industry, … The challenge is to DRIVE MARKET UPTAKE for these voluntary actions and investments.

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3. Master metered multi-family with OBR: CE is debt service reserve fund
4. Small Business OBR Lease providers with credit enhancement

From:	McAllister, Andrew@Energy <andrew.mcallister@energy.ca.gov>
Sent:	Tuesday, April 23, 2013 3:59 PM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>; Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; Saxton, Patrick@Energy <Patrick.Saxton@energy.ca.gov>; Miranda, Hazel@Energy <hazel.c.miranda@energy.ca.gov>
Subject:	RE: Talking points on Energy Efficiency for Thursday's CFEE Conference

Mark,
Likewise, I enjoyed seeing you and the crew at the PUC.
I'll send along my comments tomorrow. Looking forward to the session.
Cheers,
Andrew

From: Ferron, Mark J. [mailto:mark.ferron@cpuc.ca.gov]
Sent: Tuesday, April 23, 2013 3:30 PM
To: McAllister, Andrew@Energy
Cc: TerKeurst, Charlotte; Colvin, Michael; Clinton, Jeanne
Subject: Talking points on Energy Efficiency for Thursday's CFEE Conference

Hi Andrew,

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505 Van Ness Avenue
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From: Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Sent: Tuesday, April 23, 2013 5:26 PM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject: CFEE Conference

Hi Josie,

I'm not going to go to the conference. I have too much to do.

I cancelled my hotel reservation. They said it was ok. The confirmation no. is CARX453918.

Also, I left a message for Celeste Cremen, who was listed as the conference coordinator. But, if we could follow up tomorrow, I think maybe we can get the conf. fee back.

Thanks,

Char

Charlyn A. Hook, Legal Advisor
Office of Commissioner Mark J. Ferron
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue, Room 5131
San Francisco, California 94102
Direct Line: (415) 703-3050

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 6:28 AM
To: Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Subject: RE: CFEE Conference

We didn't pay for the conference fee yet. I have to wait until I get the invoice.

Thank you,

Josie E
(415) 703-2531

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San Francisco, California 94102
Direct Line: (415) 703-3050

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 8:48 AM
To: 'Celeste Cremen' <celeste@cfee.net>
Subject: CFEE Conference in Napa

Hi Celeste,
Do I get an invoice for the following staff that are attending the conference on April 25-26?

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From: Celeste Cremen <celeste@cfee.net>
Sent: Wednesday, April 24, 2013 9:08 AM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Cc: Emilie Chu <echu@cfee.net>
Subject: Re: CFEE Conference in Napa

Hi,

No worries if it is not paid before they depart. We will probably get them out next week. Does that work for you?

On Apr 24, 2013, at 8:47 AM, "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov> wrote:

> Hi Celeste,
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>
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> *Email: Josephine.emelo@cpuc.ca.gov*

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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From:	Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Sent:	Wednesday, April 24, 2013 9:51 AM
To:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject:	RE: CFEE Conference

Ok. I only contacted the conference coordinator, Celeste. If there is someone else we should contact to cancel, will you please do so? Thanks! (Hopefully, we will not have to pay.)

From: Emelo, Josephine
Sent: Wednesday, April 24, 2013 6:28 AM
To: Hook, Charlyn A.
Subject: RE: CFEE Conference

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505 Van Ness Avenue, Room 5131
San Francisco, California 94102
Direct Line: (415) 703-3050

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 9:54 AM
To: celeste@cfee.net
Subject: Charlyn Hook reservation

Hi Celeste,
Can you please cancel Charlyn Hook room reservation for CFEE conference?

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From: Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 10:29 AM
To: 'Cliff.Rechtschaffen@GOV.CA.GOV'
Subject: Re: CFEE Meeting

Maybe yes I'd ride together. Let me confirm later.
Yes going for 2 days (to work the sidelines on EE matters). Due to Prop 39 meeting/call Thurs 9:30 - 11:00 I had expected to do last 1/2 hour by phone from car. (No time for golf; haven't taken up that sport)
Would be valuable to ride together and talk. Don't see you that often.
Jeanne

From: Cliff Rechtschaffen [mailto:Cliff.Rechtschaffen@GOV.CA.GOV]
Sent: Wednesday, April 24, 2013 10:11 AM Pacific Standard Time
To: Clinton, Jeanne
Subject: CFEE Meeting

Jeanne: Are you going for both days of CFEE meeting? If you want to ride up with me, let me know. I am going to miss Thursday lunch and probably leave Oakland ~ 12 or 12:15 tomorrow, and then come back right at the end on Friday, or possibly slightly early. Nick is going up ahead of time to golf but may hitch a ride home.

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 11:27 AM
To: Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Subject: RE: CFEE Conference

I contact Celeste to cancel your room reservation. We have not paid them. I'm waiting for the invoice.

Thank you,

Josie E
(415) 703-2531

From: Hook, Charlyn A.
Sent: Wednesday, April 24, 2013 9:51 AM
To: Emelo, Josephine
Subject: RE: CFEE Conference

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From: Emelo, Josephine
Sent: Wednesday, April 24, 2013 6:28 AM
To: Hook, Charlyn A.
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From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 11:28 AM
To: Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>
Subject: FW: Charlyn Hook reservation

---

fyi

Thank you,

Josie E

(415) 703-2531

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Wednesday, April 24, 2013 11:29 AM
To: Emelo, Josephine
Subject: Re: Charlyn Hook reservation

Hi,

Done. Thank you for following up. She left a voicemail last night which was very helpful.

Best,
Celeste

On Apr 24, 2013, at 9:53 AM, "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov> wrote:

Hi Celeste,
Can you please cancel Charlyn Hook room reservation for CFEE conference?

Thank you,

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From: Celeste Cremen <celeste@cfee.net>
Sent: Wednesday, April 24, 2013 11:29 AM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject: Re: Charlyn Hook reservation

Hi,

Done. Thank you for following up. She left a voicemail last night which was very helpful.

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From: OGA <ydw@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 3:57 PM
To: CGM@CPUC.CA.GOV
Cc: YDW@CPUC.CA.GOV
Subject: trv req ls1 for cfee conf
Attach: [Untitled].pdf

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

California Public Utilities Commission

Travel Authorization Form (PUC-IMSD-001, 09/01/2011)

☒ In State Travel — In-State Authorization Number:

☐ Out-of-State Travel — OST Authorization Number:

EMPLOYEE INFORMATION

Name:	**Lynn Sadler**	Primary Off location:	Sacramento
Division:	**Executive**	Email Address:	lynn.sadler@cpuc.ca.gov
Branch:	**OGA**	Phone Number:	(916) 327-8441

TRAVEL INFORMATION

Destination (City & State)	Start Date	End Date
San Francisco (PUC hdqtrs)	**4/25/2013**	**4/26/2013**

State Car: Yes ☐ (must provide a copy of this approved form to Garage Attendant when reserving a state car)

JUSTIFICATION

Participant in CFEE Conference, Napa, CA

ESTIMATED COSTS

Event-Sponsor Name:

☐ Travel arranged with Event-Sponsor ($0 CPUC & Reimbursable cost)

Travel arranged via TravelStore/SWABIZ:

☐ Full Reimbursement ☐ Partial Reimbursement

	Estimated CPUC Cost	**Estimated Reimbursable Cost** (by Event-Sponsor)	**Advance Request** (If applicable)
Airfare		$ -	
Car Rental	$ -	$ -	
Other Transportation Costs (Mileage, parking, tolls, shuttle, etc.)	$ 250	$ -	$ -
Lodging	$ 110	$ -	$ -
Per Diem (meals, incidentals)		$ -	$ -
Other Travel Related Costs		$ -	$ -
Sub-Total	**$ 360**	**$ -**	
Total Estimated Travel Costs	**$ 360**		**$ -**

AUTHORIZATION

	Print Name	**Signature**	**Date**
Employee	**Lynn Sadler**		
Supervisor	**Paul Clanon**		
BCO	**Cathy Mattias**		
Division Director			
Executive Director			

BCO USE ONLY -Cost Coding

Unit / PCA:

FUND (For OST Only):

Remark:

If Other, please specify:

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

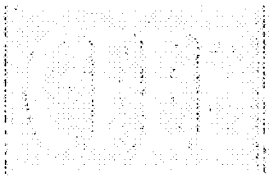
Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

Patrick F. Mason, Ph. D.
President



CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

April 11, 2013

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the Energy Roundtable Conference in Napa, California.

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

If your family or office would like to reach you during the conference, the telephone number at the Silverado Conference Center is 707-257-0200. **Also, the attire is casual for the entire conference.**

We look forward to seeing you in Napa.

PFM/mw
Enclosures

Please email Celeste if you require a vegetarian dinner entrée by April 17, 2013 at Celeste@cfee.net.

PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

From:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent:	Wednesday, April 24, 2013 4:02 PM
To:	Mattias, Cathy G. <cathy.mattias@cpuc.ca.gov>
Subject:	RUSH! Please -trv req ls1 for cfee conf
Attach:	[Untitled].pdf

." Lynn is participating in the CFEE meeting in Napa, CA tomorrow. I just emailed you the attachment with Lynn's signature.

-----Original Message-----
From: OGA [mailto:ydw@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 3:57 PM
To: Mattias, Cathy G.
Cc: Wilson, Yvonne D.
Subject: trv req ls1 for cfee conf

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

California Public Utilities Commission

Travel Authorization Form (PUC-IMSD-001, 09/01/2011)

☒ In State Travel — In-State Authorization Number:

☐ Out-of-State Travel — OST Authorization Number:

EMPLOYEE INFORMATION

Name:	**Lynn Sadler**	Primary Off location:	Sacramento
Division:	**Executive**	Email Address:	lynn.sadler@cpuc.ca.gov
Branch:	**OGA**	Phone Number:	(916) 327-8441

TRAVEL INFORMATION

Destination (City & State)	Start Date	End Date
San Francisco (PUC hdqtrs)	**4/25/2013**	**4/26/2013**

State Car: Yes ☐ (must provide a copy of this approved form to Garage Attendant when reserving a state car)

JUSTIFICATION

Participant in CFEE Conference, Napa, CA

ESTIMATED COSTS

Event-Sponsor Name:

☐ Travel arranged with Event-Sponsor ($0 CPUC & Reimbursable cost)

Travel arranged via TravelStore/SWABIZ:

☐ Full Reimbursement ☐ Partial Reimbursement

	Estimated CPUC Cost	**Estimated Reimbursable Cost** (by Event-Sponsor)	**Advance Request** (If applicable)
Airfare		$ -	
Car Rental	$ -	$ -	
Other Transportation Costs (Mileage, parking, tolls, shuttle, etc.)	$ 250	$ -	$ -
Lodging	$ 110	$ -	$ -
Per Diem (meals, incidentals)		$ -	$ -
Other Travel Related Costs		$ -	$ -
Sub-Total	**$ 360**	**$ -**	
Total Estimated Travel Costs	**$ 360**		**$ -**

AUTHORIZATION

	Print Name	**Signature**	**Date**
Employee	**Lynn Sadler**		
Supervisor	**Paul Clanon**		
BCO	**Cathy Mattias**		
Division Director			
Executive Director			

BCO USE ONLY -Cost Coding

Unit / PCA: — FUND (For OST Only):

Remark: — If Other, please specify:

PARTICIPATION & HOTEL CONFIRMATION

CFEE Roundtable Conference on Energy
Silverado Conference Center, Napa, California
April 25-26, 2013

NAME: **Lynn Sadler**
TITLE: **Director of Governmental Affairs**
AFFIL: **California Public Utilities Commission**

At this time:

Participation Confirmation: You are **Confirmed** ✓ **NOT Confirmed** ____ to attend the CFEE Energy Conference.

Hotel Confirmation: **You Have** ✓ **Do NOT Have** ____ a room reserved at the Silverado.

You have room reservations for:

Wednesday, April 24th ____

Thursday, April 25th ✓

Confirmation Number: Sadler-cfee

Billing: Room & Tax To Master

Dinner Confirmation: **We have you attending** ✓ **NOT attending** ____ the conference dinner on Thursday, April 25th at Merryvale Vineyards.

Vegetarian? Please email Celeste if you require a vegetarian dinner entree by April 17, 2013 at Celeste@cfee.net.

Additional Comments: ____

PLEASE NOTE:

IF YOU HAVE ANY QUESTIONS, or if the above confirmation information is NOT correct, PLEASE CALL Celeste Cremen by APRIL 17, 2013, at: 415-788-0812

Patrick F. Mason, Ph. D.
President

April 11, 2013

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

M E M O R A N D U M

To: Participants, "Transitioning to a Clean Energy Future"

From: Patrick F. Mason

Re: Materials for Energy Conference

Enclosed are the draft agenda, confirmed invitee list, participation and hotel confirmation form, as well as and directions to the Energy Roundtable Conference in Napa, California.

The conference starts with a buffet lunch on Thursday, April 25th at Noon, at the Conference Facilities at Silverado, with the roundtable beginning promptly at 1:00 p.m.

We have an impressive list of participants at the table and a well-crafted, balanced agenda. As always, adherence to the conference ground rules, specifically in terms of positive contributions designed to educate and promote consensus, is essential for the group to get the most out of our time together.

If you have general questions about the conference, or still need to confirm your attendance, please call Celeste Cremen at 415-788-0812 or celeste@cfee.net. Please email Beth Vaughan at beth@beth411.com for inquiries about the agenda.

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PIER 35, SUITE 202 SAN FRANCISCO CA 94133
415 788 1786 www.cfee.net FAX 415 986 2227

From: Mattias, Cathy G. <cathy.mattias@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 4:13 PM
To: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject: RE: RUSH! Please -trv req ls1 for cfee conf

Got it. When you get the invoice from CFEE for the Conference Fee call me and I'll tell you what costs it includes. Call me before you do a Travel Claim.

-----Original Message-----
From: Wilson, Yvonne D.
Sent: Wednesday, April 24, 2013 4:02 PM
To: Mattias, Cathy G.
Subject: RUSH! Please -trv req ls1 for cfee conf

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Cc: Wilson, Yvonne D.
Subject: trv req ls1 for cfee conf

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

From:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Sent:	Wednesday, April 24, 2013 9:34 PM
To:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>; Kamins, Sara M. <sara.kamins@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	130425 CFEE Energy Conference Participants

I'm not sure who is attending the CFEE conference, but below are the biographical notes that I assembled for the elected officials attending.

Thx

Begin forwarded message:

From: Mark Ferron <mark@theferrons.com>
Subject: 130425 CFEE Energy Conference Participants
Date: April 24, 2013 9:17:34 PM PDT
To: <Fer@cpuc.ca.gov>
Reply-To: Mark Ferron <mark@theferrons.com>

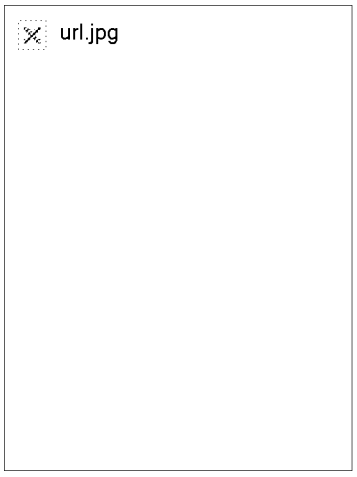
From Evernote:

130425 CFEE Energy Conference Participants

Participants
CALIFORNIA PUBLIC UTILITIES COMMISSION
*Michael R. Peevey, President (Day 1 & 2)
*Mark Ferron Commissioner (Day 1 only)
*Michel Florio, Commissioner (Day 2 only)
CALIFORNIA ENERGY COMMISSION ----------
*Robert Weisenmiller, Chair
*Andrew McAllister Commissioner
AIR RESOURCES BOARD
*Mary D. Nichols, Chairman
Virgil Welch, Special Assistant
OFFICE OF THE GOVERNOR
*Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
*Cliff Rechtschaffen Senior Advisor to the Governor

CALIFORNIA STATE SENATE

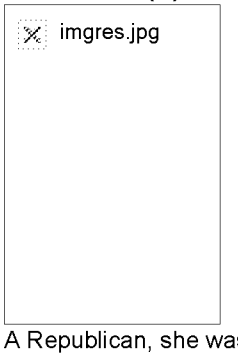
***Anthony Cannella (R)**



He is a Republican representing the 12th district, ncompassing Merced and San Benito counties, as well as parts ofMadera, Monterey, and Stanislaus counties. Prior to his election to the state senate in 2010, he served as Mayor of Ceres,California.
Assumed office December 6, 2010
Born: March 22, 1969 (age 44), Ceres
Spouse: Julie Cannella
Education: University of California, Davis
Parents: Sal Cannella
Party: California Republican Party
Standing Committees
- Agriculture (Vice Chairman)
- Natural Resources and Water (Vice Chairman)
- Governmental Organization
- Energy, Utilities and Communications
- Transportation and Housing

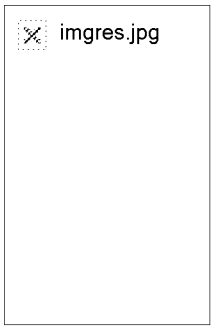
Joint Committees
- Legislative Audit
- Arts
- Rules
- Fairs, Allocation, and Classification

***Jean Fuller (R)**



A Republican, she was previously a member of the California Assembly and the Superintendent of Schools for the Bakersfield City School District.
Assumed office December 6, 2010

Ted Gaines (R)



He won a January 4, 2011, special election to replace the late Dave Cox and took office two days later. Prior to his election to the Senate, Gaines was a California State Assemblyman, representing the 4th Assembly district, which is centered on the suburbs of Placer County, which are located east of Sacramento.

A Republican, Gaines is an opponent of what he describes as "big government social programs." [1] Gaines, a local businessman, holds views on issues that can be generally classified as conservative, which puts him in line with the area's leanings (Placer County has not voted for a Democratic nominee for President since Jimmy Carter).

Gaines is the owner of Point West Insurance which makes its headquarters in the Point West business park district of Sacramento.

Gaines and his wife Beth live in Roseville (where the Gaines family has resided for five generations) with their 6 children—5 girls and 1 boy.

***Ricardo Lara**

A native of Commerce, California, Lara attended Los Angeles Unified School District schools and graduated from San Diego State University, where he earned a Bachelor of Arts degree and served as student body president.[2][3] He is currently pursuing a master's degree from the University of Southern California.

A longtime Assembly staffer, Lara worked as Chief of Staff to Assemblyman Marco Antonio Firebaugh (D–South Gate) when Firebaugh served as Majority Leader. Lara later served as Fabian Nuñez's district director during Nuñez's time as Speaker. He then served as communications director for Assemblyman Kevin de León (D–Los Angeles).

- 2008 State Assembly campaign: Lara was a candidate for the Assembly in 2008, seeking the Democratic nomination in the Los Angeles-based 46th district. He faced a number of well-connected challengers, including John Pérez, the cousin of Los Angeles mayor Antonio Villaraigosa. Following a meeting at Getty House, Villaraigosa's official residence, Pérez became the consensus candidate and the other candidates, including Lara, dropped their campaigns.[3] Although the challengers' names remained on the ballot, Pérez won the primary comfortably and took the seat before being elected to the Speakership in late 2009.

Lara was subsequently appointed by Villaraigosa to the powerful Los Angeles Planning Commission, where he served until resigning to focus on his 2010 Assembly run in the 50th district. Running for the seat required Lara to move into the district, which does not include any part of the city of Los Angeles. Because Los Angeles planning commissioners are required to be residents of the city of Los Angeles, Therefore, Lara couldn't run for the 50th Assembly district while serving on the commission. He announced his candidacy for the seat in early 2009 and became a resident of Bell Gardens.[4]

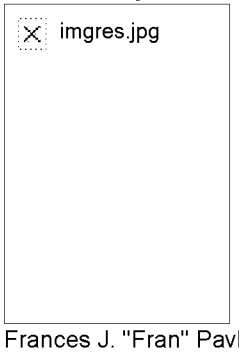
- 2010 State Assembly campaign: Lara faced three primary challengers in his 2010 Assembly bid, two of whom had held elected office in the district. With the support of the state and local Democratic parties as well as the Los Angeles County Federation of Labor, Lara prevailed handily.[5] He faced a Republican opponent in the general election and won overwhelmingly. Lara was sworn in as an assemblyman on December 6, 2010 and was appointed the chairman of the joint legislative audit committee. He also serves on the following committees: appropriations; banking and finance; higher education; and water, parks, and wildlife. He also chairs the select committee on financial empowerment.

>> 2012 State Senate campaign: On October 19, 2011, Lara announced plans to run for the California Senate in the newly-drawn 33rd district in 2012. The district, which has a Hispanic majority, includes many of the communities he currently

represents in the Assembly as well as much of the city of Long Beach. Assemblywoman Bonnie Lowenthal (D–Long Beach), ex-wife of current senator Alan Lowenthal, had already announced her intention to run for the seat, setting off a high-profile contest between two Assembly Democrats. Lara swiftly lined up a number of endorsements, including from Congresswoman Linda Sanchez, the California Nurses Association and the California Latino Legislative Caucus, the last of which declared the race their number one target seat.[7][8] An opinion poll also showed Lara favored to win the seat, giving him a 6-point lead over Lowenthal.[9] Two weeks after Lara's entry into the race, Lowenthal dropped her bid for the Senate and announced that she would instead seek re-election to the Assembly.
Lara is openly gay.[11] He is one of eight members of the California Legislative LGBT Caucus.

http://en.wikipedia.org/wiki/Ricardo_Lara

***Fran Pavley**



Frances J. "Fran" Pavley (born November 11, 1948[1]) is a Democratic politician who currently represents California's 27th State Senate district, including portions of Los Angeles and Ventura counties in the California State Senate. She previously represented Senate District 23, served as a state assemblywoman, and served as the first mayor of Agoura Hills. She served as a Mayor and Councilmember for four terms. She has lived in Agoura Hills with her husband, Andy, for over 30 years, where they raised their two children, as well as four guide dogs.
http://en.wikipedia.org/wiki/Fran_Pavley

***Lois Walk**

In 2008, Lois Wolk was elected to represent the Fifth Senate District, which included most of Solano and Yolo Counties, as well as parts of San Joaquin and Sacramento County. In 2012, Wolk was re-elected to the Senate to represent the newly redrawn Third Senate District, which includes all of Napa and Solano Counties, most of Yolo County, several cities in Sonoma and Contra Costa Counties, and a portion of Sacramento County.

Senator Wolk chairs the Senate Governance and Finance Committee, the Agriculture Subcommittee on Olive Oil Production and Emerging Products, and the Select Committee on Sacramento-San Joaquin Delta. She also serves on numerous committees, including the Senate Standing Committees on Agriculture; Energy, Utilities and Communications; Health; and Natural Resources and Water.

Senator Wolk is also the Senate's representative on the Delta Protection Commission, charged with protecting and maintaining the Sacramento-San Joaquin Delta's environmental, agricultural, and recreational values—and is a liaison advisor to the Delta Conservancy Board, tasked with supporting efforts that advance both environmental protection and the economic well-being of Delta residents. Additionally, she serves on the California Wildlife Conservation Board's Legislative Advisory Committee, helping to allocate funding for important environmental projects throughout the state.

http://sd03.senate.ca.gov/biography

***Roderick D. Wright**

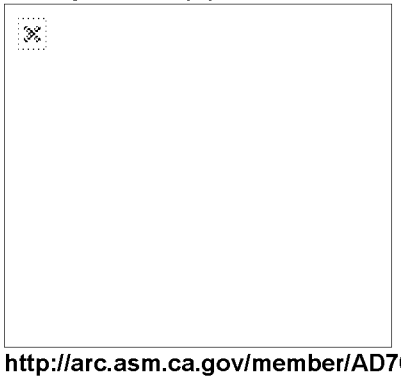
represents California's 35th State Senate district. He previously represented the 25th district from 2008-2012. Wright also represented California's 48th State Assembly district from 1996 until he was term limited in 2002.

CALIFORNIA STATE ASSEMBLY _.--- --
*Steven C. Bradford

***Joan Buchanan**

http://www.asmdc.org/members/a16/biography
Assemblymember Joan Buchanan, elected to the State Assembly in November 2008, represents the 16th Assembly District, which includes portions of Alameda and Contra Costa counties and the communities of Alamo, Danville, Dublin, Lafayette, Livermore, Moraga, Orinda, Pleasanton, San Ramon, and Walnut Creek.
-Chairwoman of the Assembly Education Committee bringing a deep understanding of educational issues gained during her 18 years of service on the San Ramon Valley School Board

***Rocky Chavez (R)**



http://arc.asm.ca.gov/member/AD76/?p=bio
In 2009, Rocky was appointed by then-Governor Arnold Schwarzenegger and made the journey to Sacramento to serve as

Undersecretary of the California Department of Veterans Affairs. He later served as Acting Secretary.
Rocky was elected on November 6, 2012 to represent the 76th Assembly District which includes Camp Pendleton, Carlsbad, Encinitas, Oceanside and Vista.
Rocky serves as Vice Chair of the Assembly Veterans Affairs Committee and Higher Education Committee. He is also a member of the Education, Budget, and Utilities and Commerce Committees.

Rocky also sits on the California Task Force on Science, Technology, Engineering and Mathematics Education and serves as a member of the Governor's Military Council.

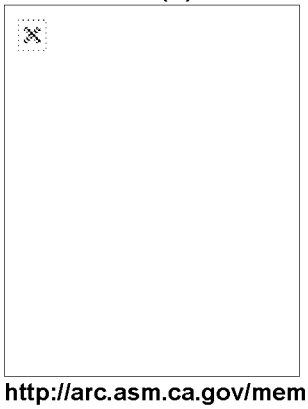
***Susan Talamantes Eggman**

http://asmdc.org/members/a13/

A leader with decades of experience in public service and community-building, Dr. Susan Talamantes Eggman was elected in November 2012 to represent the 13th Assembly District, which draws together the San Joaquin Delta communities of Stockton, Tracy, Thornton and Mountain House.

Susan grew up on her family's small almond orchard and apiary in Turlock.
The chair of the Committee on Agriculture, Susan also serves on the committees on Veterans Affairs, Appropriations, and Business, Professions and Consumer Protection.
Susan and Renee, her partner for more than 30 years, live in Stockton's Victory Park neighborhood.

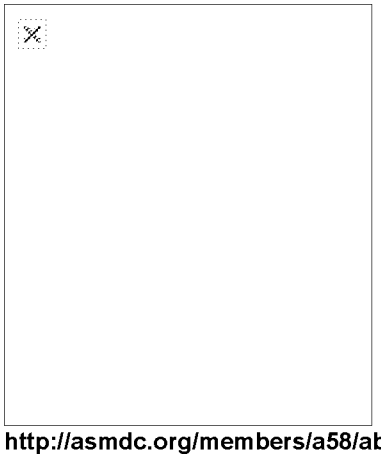
***Beth Gaines (R)**



http://arc.asm.ca.gov/member/AD6/

Beth Gaines was elected to the Assembly in 2011 and represents the people of 6th Assembly District, which includes portions of Placer, El Dorado, and Sacramento counties.
She currently co-owns Gaines Insurance, with her husband State Sen. Ted Gaines, where she works as a marketing consultant. Beth and her husband Ted were married in 1985 and soon started a family. The couple have six children, ranging from ages 9 to 23. Beth and her husband live in Rocklin.

***Cristina Garcia**



http://asmdc.org/members/a58/about/biography

Cristina Garcia was elected in November of 2012 to represent California's 58th Assembly District, which includes the cities of Downey, Commerce, Pico Rivera, Bell Gardens, Bellflower, Cerritos, Artesia, Montebello and a part of Norwalk.

***Mike Gatto**

http://www.asmdc.org/members/a43/

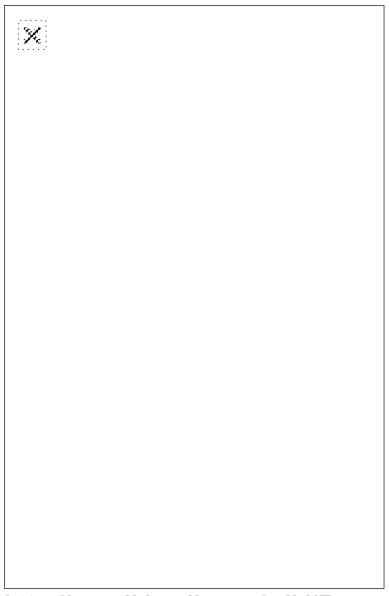
I represent Atwater Village, Burbank, Glendale, Hollywood, La Canada Flintridge, La Crescenta, Los Feliz, Montrose, and Silver Lake in the state legislature.

Mike has worked extensively in government and the private sector. For years, he served as District Director to a United States Congressman representing the San Fernando Valley and Burbank. He also served in the administrations of two Los Angeles Mayors. In the private sector, Mike worked as an attorney representing California's small businesses, assisting them with issues they had with government bureaucracy. Mike has also taught English and given his time extensively to legal clients and non-profit entities who could not otherwise afford an attorney.

Mike sits on five different committees, including Appropriations; Arts, Entertainment, Sports,Tourism, & Internet Media; Water, Parks & Wildlife; Government Organization; and Banking & Finance. For the 2011-2012 session, Mike was named Assistant Speaker Pro Tempore of the California Assembly and presided over meetings when the Speaker Pro Tempore could not. In late 2012, Gatto was named Chairman of the Assembly Appropriations Committee.

Mike is married to Danielle Gatto. In 2010, they welcomed in the world their first child, Elliana Vivienne.

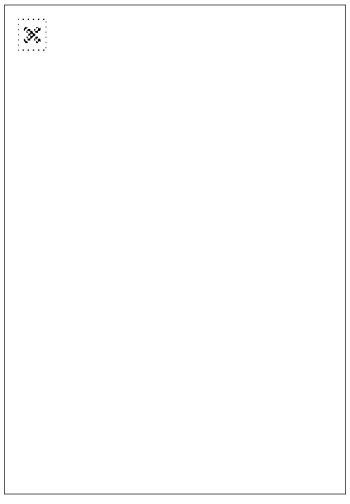
*Roger Hernandez



http://en.wikipedia.org/wiki/Roger_Hernandez

He is a Democrat representing the 57th district, encompassing parts of the San Gabriel Valley in Los Angeles County. Prior to being elected to the state assembly, he was the Mayor of West Covina, a member of the West Covina City Council, and Professor of Government at Rio Hondo and Citrus Community Colleges. Prior to his tenure on the City Council, Hernández was elected to the Rowland Unified School Board were he served form November 1999 through July 2003.

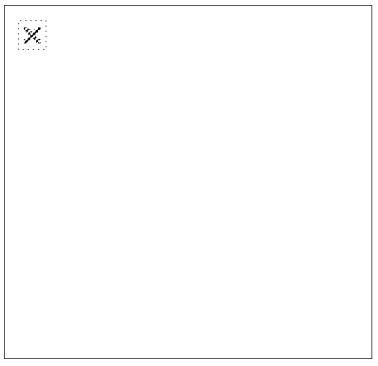
***Ben Hueso**



http://en.wikipedia.org/wiki/Ben_Hueso

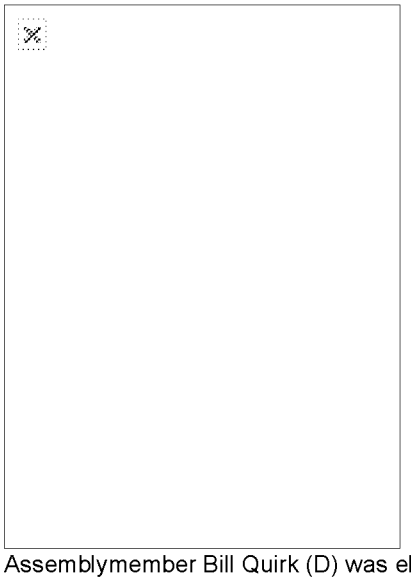
He was elected to the California State Senate in a special election on March 12, 2013, representing the 40th district.[2] Previously he served in the California State Assembly, representing the 80th District from 2012 to 2013 and the 79th district from 2010 to 2012.[3] Prior to that he served on the San Diego City Council, including two years as city council president.

***James Patterson (R)**



http://en.wikipedia.org/wiki/Jim_Patterson_(politician)
http://www.jimpatterson.com
Jim Patterson is serving in the California State Assembly. He is a Republican representing the 23rd district, which encompasses eastern Fresno County and a slice of Tulare County. Prior to being elected to the state assembly, he was a business executive, broadcaster, public speaker, and is the former mayor of Fresno, California

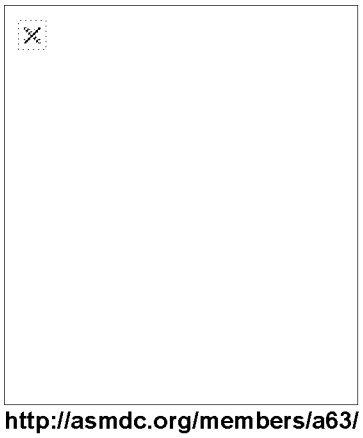
***Bill Quirk**



Assemblymember Bill Quirk (D) was elected in November 2012 to represent the 20th Assembly District, which consists of Hayward, Union City, Castro Valley, San Lorenzo, Ashland, Cherryland, Fairview, Sunol and North Fremont.

Before being elected to the Assembly, Quirk worked as a climate change scientist at NASA before beginning his career at the Lawrence Livermore National Lab, where he played a key role in the negotiations for the Nuclear Test Ban Treaty. Teaching physics at Columbia, Caltech and UC Davis as well as playing an active role in his children's education helped Quirk formulate his lifelong interest in education.
http://asmdc.org/members/a20/

***Anthony Rendon**

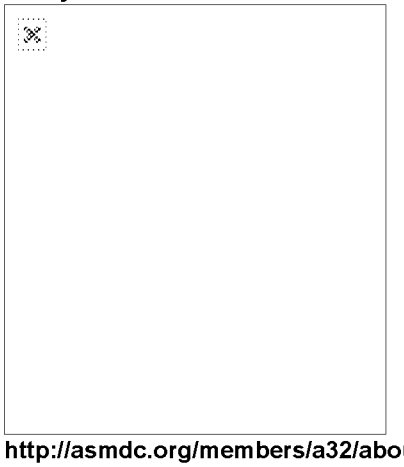


http://asmdc.org/members/a63/

Dr. Anthony Rendon was elected in November 2012 to represent California's 63rd Assembly District, which includes the communities of Bell, Cudahy, Hawaiian Gardens, Lakewood, Long Beach, Lynwood, Maywood, Paramount and South Gate. Rendon brings exceptional experience as an educator, children's non-profit executive director, and environmental leader who has helped pass some of the most important laws protecting our water and air quality.

Committee memberships:
- Utilities and Commerce: Primary jurisdictions are public utilities; the California Public Utilities Commission; the California Energy Commission; the California Independent System Operator; Electricity Oversite Board; energy companies; common carriers; electricity; alternative energy development and conservation; natural gas; wireless, wireline and cable communications; international trade; Women and Minority Business Enterprises; and tourism.
- Budget
- Public Employees, Retirement and Social Security: Primary jurisdiction is oversight of Classified school employees, Judges Retirement Law, Public employee collective bargaining, and Public retirement administration and investment strategy.
- Water, Parks and Wildlife, Chair

***Rudy Salas**



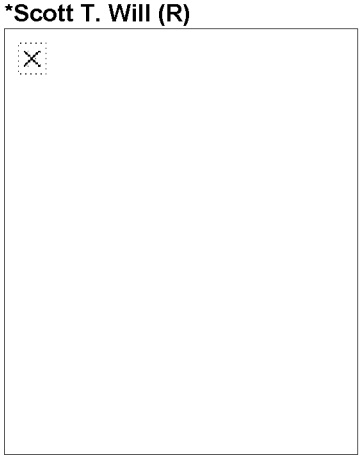
http://asmdc.org/members/a32/about/biography

Assemblymember Rudy Salas was elected in November 2012 to represent California's 32nd Assembly District, comprised of part of the City of Bakersfield, Hanford, Corcoran, Delano, Lemoore, Shafter, Wasco and the communities of Armona, Avenal, Kettlemen City, Lamont, Lost Hills, Stratford and Weedpatch. The first Latino to serve on the Bakersfield City Council, Rudy Salas Jr, was born and raised in California's Central Valley.

Standing Committees
- Accountability and Administrative Review
- Governmental Organization
- Veterans Affairs

Select Committees
- Chair, Regional Approaches to Addressing the State's Water Crisis
- Chair, Workforce and Vocational Development in California

***Scott T. Will (R)**



http://arc.asm.ca.gov/member/AD38/

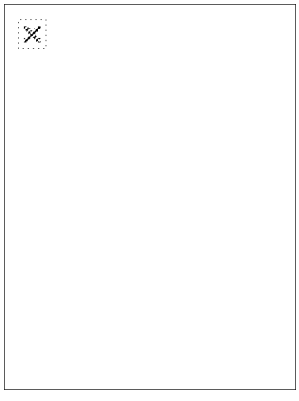
Republican Member Scott Wilk represents the 38th Assembly District which encompasses Simi Valley, the northern section of the San Fernando Valley, Val Verde, Castaic, Agua Dulce and most of the Santa Clarita Valley.

Recognized for his strong leadership abilities, Scott has been appointed by the Speaker of the Assembly to be the Vice-Chair of the Assembly Rules Committee which has jurisdiction over the business of the Legislature.

Scott earned a B.A. degree in Political Science from California State University, Bakersfield and his career has spanned both the private and public sector. He served as Chief of Staff for California Assembly Members Tom McClintock and Paula Boland, as well as District Director for Representative Howard P. “Buck” McKeon. While working for Assemblyman McClintock and Assemblywoman Boland, Scott was the architect of successful legislation on a variety of important issues.

Balancing public service with private enterprise, Scott managed the California New Car Dealers Association and was the Vice President of Legislative and Regulatory Affairs for an assisted living company. In the 1980’s, he and his wife, Vanessa, owned a vending company. Prior to his election to the Assembly, Scott owned a public affairs firm where his work greatly enhanced the quality of life in the community.

***Das Williams**



http://en.wikipedia.org/wiki/Das_Williams

Assemblymember Das Williams was elected in November 2010 and represents the 37th Assembly District, which includes over half of Santa Barbara and Ventura counties. He was re-elected in 2012. Among his priorities, Williams is focused on improving access to higher education and is an advocate for increased funding for public schools to ensure that K-12 students have access to a world-class education. He is also committed to protecting the environment through conservation and reducing our state’s reliance on oil and coal. During his first term, Williams authored landmark legislation to protect public libraries, increase the use of renewable energy in both the public and private sector, and growing the green jobs sector.

He is the chair of the Assembly's Higher Education Committee. Assemblymember Williams also serves on the Education, Health, Veterans Affairs and Utilities and Commerce Committees. During his first term he also sat on the Rules committee, a post generally held for more seasoned legislators.

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*K.c. Bishop/ Senior Consultant/ Calif. State Relations/ Chevron Corporation
*Beth A. Bowman, Senior Vice President/ Shell Energy North America
* William Boyd/ Executive Vice President & Chief Executive Officer/ Transwest Express
James Earp/ Executive Director/ California Alliance for Jobs
*Kevin Evans, VP &GM/ Integrated Demand Resources/ Building Efficiency/ Johnson Controls/ Inc,
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*Jeffrey Fort/ Partner/ SNR Denton
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*Michael Mallonee/ Construction and Procurement Manager/ Sener Engineering and Systems/ Inc.

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* Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
*Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER
*Joe Como, Acting Director, Division of Ratepayer Advocates, c.P.U.c.
*Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

LABOR
* Daniel M. Curtin, Director, California Conference of Carpenters
*Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
*Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY
*Patrick F. Mason, President

*Beth Eo Vaughan, Policy Consultant
* Celeste Cremen, Conference Coordinator
*Emilie Chu, Controller
*Joan Lynch, Assistant to Conference Coordinator
*Nora Traughber, Fellow

From: TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 12:18 AM
To: Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc: Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>; Kamins, Sara M. <sara.kamins@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject: Re: 130425 CFEE Energy Conference Participants
Attach: 17c208c3e4248d1cbd62ddbc3159ecdd.jpeg; edc3ec9adb9ec472339e139b46e4972c.jpeg; f5d5df6e23c9de411ccd4dea825187e1.jpeg; 7b8cd0a3ceb1b29edd8b9752955726c7.jpeg; ab2130a1e17a1ef9cd5674d25487c925.jpeg; 02a72c57c1099b47fef4867d93bc4d1f.png; 6c914ac6e45c7ffa41518d9da658bdc6.png; 0dce2b5d8b6e03d4614e0e26effcf509.png; f7d5cfac00e8a7f24130ba1589983e76.png; 2f4ae204af7666ae02ef4d4edb46828b.png; 6c9cd4104c099aaf3014ec004ebbba9e.png; ad7cd453fb8fd96a70cea3b6dd0a087c.png; 28e166efce1b601272f65171fd3f5e3e.png; 2513d9232d0eead16c53b7d894034dea.png; 9b6aac53429cde875695941ca5ccf88f.png; f73b51fab107b96d62afcd53cfed5a9c.png; bebd364dd6054221012c5e46114df127.png; 87a6c5427c55ae7c568a956475730f69.png; 8e867915f58b4dbb7f9beb6edc976b72.png; 875627a3538391262bf9a5a468db19c9.png; 268244399cdc04ec53b50980dd163ab6.png

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Thanks! See you there.

Sent from my iPad

On Apr 24, 2013, at 9:33 PM, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov> wrote:

> I'm not sure who is attending the CFEE conference, but below are the biographical notes that I assembled for the elected officials attending.
>
> Thx
>
> Begin forwarded message:
>
> **From:** Mark Ferron <mark@theferrons.com>
> **Subject: 130425 CFEE Energy Conference Participants**
> **Date:** April 24, 2013 9:17:34 PM PDT
> **To:** <Fer@cpuc.ca.gov>
> **Reply-To:** Mark Ferron <mark@theferrons.com>
>
> **From Evernote:**
>
> ## 130425 CFEE Energy Conference Participants
>
> Participants
> CALIFORNIA PUBLIC UTILITIES COMMISSION
> *Michael R. Peevey, President (Day 1 & 2)
> *Mark Ferron Commissioner (Day 1 only)
> *Michel Florio, Commissioner (Day 2 only)
> CALIFORNIA ENERGY COMMISSION ----------
> *Robert Weisenmiller, Chair
> *Andrew McAllister Commissioner
> AIR RESOURCES BOARD
> *Mary D. Nichols, Chairman
> Virgil Welch, Special Assistant
> OFFICE OF THE GOVERNOR
> *Nicolas Chaset, Governor's Special Advisor for DG, CHP and Energy Storage
> *Cliff Rechtschaffen Senior Advisor to the Governor
>
> CALIFORNIA STATE SENATE
>
> ***Anthony Cannella (R)**
> <17c208c3e4248d1cbd62ddbc3159ecdd.jpeg>

He is a Republican representing the 12th district, ncompassing Merced and San Benito counties, as well as parts ofMadera, Monterey, and Stanislaus counties. Prior to his election to the state senate in 2010, he served as Mayor of Ceres,California. Assumed office December 6, 2010
Born: March 22, 1969 (age 44), Ceres
Spouse: Julie Cannella
Education: University of California, Davis
Parents: Sal Cannella
Party: California Republican Party
Standing Committees
- Agriculture (Vice Chairman)
- Natural Resources and Water (Vice Chairman)
- Governmental Organization
- Energy, Utilities and Communications
- Transportation and Housing
Joint Committees
- Legislative Audit
- Arts
- Rules
- Fairs, Allocation, and Classification

***Jean Fuller (R)**
<edc3ec9adb9ec472339e139b46e4972c.jpeg>
A Republican, she was previously a member of the California Assembly and the Superintendent of Schools for the Bakersfield City School District.
Assumed office December 6, 2010

Ted Gaines (R)
<f5d5df6e23c9de411ccd4dea825187e1.jpeg>
He won a January 4, 2011, special election to replace the late Dave Cox and took office two days later. Prior to his election to the Senate, Gaines was a California State Assemblyman, representing the 4th Assembly district, which is centered on the suburbs of Placer County, which are located east of Sacramento.
A Republican, Gaines is an opponent of what he describes as "big government social programs." [1] Gaines, a local businessman, holds views on issues that can be generally classified as conservative, which puts him in line with the area's leanings (Placer County has not voted for a Democratic nominee for President since Jimmy Carter).
Gaines is the owner of Point West Insurance which makes its headquarters in the Point West business park district of Sacramento. Gaines and his wife Beth live in Roseville (where the Gaines family has resided for five generations) with their 6 children—5 girls and 1 boy.

***Ricardo Lara**
<7b8cd0a3ceb1b29edd8b9752955726c7.jpeg>
A native of Commerce, California, Lara attended Los Angeles Unified School District schools and graduated from San Diego State University, where he earned a Bachelor of Arts degree and served as student body president.[2][3] He is currently pursuing a master's degree from the University of Southern California.
A longtime Assembly staffer, Lara worked as Chief of Staff to Assemblyman Marco Antonio Firebaugh (D–South Gate) when Firebaugh served as Majority Leader. Lara later served as Fabian Nuñez's district director during Nuñez's time as Speaker. He then served as communications director for Assemblyman Kevin de León (D–Los Angeles).
- 2008 State Assembly campaign: Lara was a candidate for the Assembly in 2008, seeking the Democratic nomination in the Los Angeles-based 46th district. He faced a number of well-connected challengers, including John Pérez, the cousin of Los Angeles mayor Antonio Villaraigosa. Following a meeting at Getty House, Villaraigosa's official residence, Pérez became the consensus candidate and the other candidates, including Lara, dropped their campaigns.[3] Although the challengers' names remained on the ballot, Pérez won the primary comfortably and took the seat before being elected to the Speakership in late 2009.
Lara was subsequently appointed by Villaraigosa to the powerful Los Angeles Planning Commission, where he served until resigning to focus on his 2010 Assembly run in the 50th district. Running for the seat required Lara to move into the district, which does not include any part of the city of Los Angeles. Because Los Angeles planning commissioners are required to be residents of the city of Los Angeles, Therefore, Lara couldn't run for the 50th Assembly district while serving on the commission. He announced his candidacy for the seat in early 2009 and became a resident of Bell Gardens.[4]
- 2010 State Assembly campaign: Lara faced three primary challengers in his 2010 Assembly bid, two of whom had held elected office in the district. With the support of the state and local Democratic parties as well as the Los Angeles County Federation of Labor, Lara prevailed handily.[5] He faced a Republican opponent in the general election and won overwhelmingly. Lara was sworn in as an assemblyman on December 6, 2010 and was appointed the chairman of the joint legislative audit committee. He also serves on the following committees: appropriations; banking and finance; higher education; and water, parks, and wildlife. He also chairs the select committee on financial empowerment.
>> 2012 State Senate campaign: On October 19, 2011, Lara announced plans to run for the California Senate in the newly-drawn 33rd district in 2012. The district, which has a Hispanic majority, includes many of the communities he currently represents in the Assembly as well as much of the city of Long Beach. Assemblywoman Bonnie Lowenthal (D–Long Beach), ex-wife of current senator Alan Lowenthal, had already announced her intention to run for the seat, setting off a high-profile contest between two Assembly Democrats. Lara swiftly lined up a number of endorsements, including from Congresswoman Linda Sanchez, the California Nurses Association and the California Latino Legislative Caucus, the last of which declared the race their number one target seat.[7][8] An

opinion poll also showed Lara favored to win the seat, giving him a 6-point lead over Lowenthal.[9] Two weeks after Lara's entry into the race, Lowenthal dropped her bid for the Senate and announced that she would instead seek re-election to the Assembly.
Lara is openly gay.[11] He is one of eight members of the California Legislative LGBT Caucus.

http://en.wikipedia.org/wiki/Ricardo_Lara

***Fran Pavley**
<ab2130a1e17a1ef9cd5674d25487c925.jpeg>
Frances J. "Fran" Pavley (born November 11, 1948[1]) is a Democratic politician who currently represents California's 27th State Senate district, including portions of Los Angeles and Ventura counties in the California State Senate. She previously represented Senate District 23, served as a state assemblywoman, and served as the first mayor of Agoura Hills. She served as a Mayor and Councilmember for four terms. She has lived in Agoura Hills with her husband, Andy, for over 30 years, where they raised their two children, as well as four guide dogs.
http://en.wikipedia.org/wiki/Fran_Pavley

***Lois Walk**
<02a72c57c1099b47fef4867d93bc4d1f.png>
In 2008, Lois Wolk was elected to represent the Fifth Senate District, which included most of Solano and Yolo Counties, as well as parts of San Joaquin and Sacramento County. In 2012, Wolk was re-elected to the Senate to represent the newly redrawn Third Senate District, which includes all of Napa and Solano Counties, most of Yolo County, several cities in Sonoma and Contra Costa Counties, and a portion of Sacramento County.

Senator Wolk chairs the Senate Governance and Finance Committee, the Agriculture Subcommittee on Olive Oil Production and Emerging Products, and the Select Committee on Sacramento-San Joaquin Delta. She also serves on numerous committees, including the Senate Standing Committees on Agriculture; Energy, Utilities and Communications; Health; and Natural Resources and Water.

Senator Wolk is also the Senate's representative on the Delta Protection Commission, charged with protecting and maintaining the Sacramento-San Joaquin Delta's environmental, agricultural, and recreational values—and is a liaison advisor to the Delta Conservancy Board, tasked with supporting efforts that advance both environmental protection and the economic well-being of Delta residents. Additionally, she serves on the California Wildlife Conservation Board's Legislative Advisory Committee, helping to allocate funding for important environmental projects throughout the state.
http://sd03.senate.ca.gov/biography

***Roderick D. Wright**
<6c914ac6e45c7ffa41518d9da658bdc6.png>

represents California's 35th State Senate district. He previously represented the 25th district from 2008-2012. Wright also represented California's 48th State Assembly district from 1996 until he was term limited in 2002.

CALIFORNIA STATE ASSEMBLY _.--- --
*Steven C. Bradford

***Joan Buchanan**
<0dce2b5d8b6e03d4614e0e26effcf509.png>
http://www.asmdc.org/members/a16/biography
Assemblymember Joan Buchanan, elected to the State Assembly in November 2008, represents the 16th Assembly District, which includes portions of Alameda and Contra Costa counties and the communities of Alamo, Danville, Dublin, Lafayette, Livermore, Moraga, Orinda, Pleasanton, San Ramon, and Walnut Creek.
-Chairwoman of the Assembly Education Committee bringing a deep understanding of educational issues gained during her 18 years of service on the San Ramon Valley School Board

***Rocky Chavez (R)**
<f7d5cfac00e8a7f24130ba1589983e76.png>
http://arc.asm.ca.gov/member/AD76/?p=bio
In 2009, Rocky was appointed by then-Governor Arnold Schwarzenegger and made the journey to Sacramento to serve as Undersecretary of the California Department of Veterans Affairs. He later served as Acting Secretary.
Rocky was elected on November 6, 2012 to represent the 76th Assembly District which includes Camp Pendleton, Carlsbad, Encinitas, Oceanside and Vista.
Rocky serves as Vice Chair of the Assembly Veterans Affairs Committee and Higher Education Committee. He is also a member of the Education, Budget, and Utilities and Commerce Committees.

Rocky also sits on the California Task Force on Science, Technology, Engineering and Mathematics Education and serves as a

member of the Governor's Military Council.

***Susan Talamantes Eggman**
<2f4ae204af7666ae02ef4d4edb46828b.png>
http://asmdc.org/members/a13/

A leader with decades of experience in public service and community-building, Dr. Susan Talamantes Eggman was elected in November 2012 to represent the 13th Assembly District, which draws together the San Joaquin Delta communities of Stockton, Tracy, Thornton and Mountain House.

Susan grew up on her family's small almond orchard and apiary in Turlock.
The chair of the Committee on Agriculture, Susan also serves on the committees on Veterans Affairs, Appropriations, and Business, Professions and Consumer Protection.
Susan and Renee, her partner for more than 30 years, live in Stockton's Victory Park neighborhood.

***Beth Gaines (R)**
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http://arc.asm.ca.gov/member/AD6/
Beth Gaines was elected to the Assembly in 2011 and represents the people of 6th Assembly District, which includes portions of Placer, El Dorado, and Sacramento counties.
She currently co-owns Gaines Insurance, with her husband State Sen. Ted Gaines, where she works as a marketing consultant. Beth and her husband Ted were married in 1985 and soon started a family. The couple have six children, ranging from ages 9 to 23. Beth and her husband live in Rocklin.

***Cristina Garcia**
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http://asmdc.org/members/a58/about/biography
Cristina Garcia was elected in November of 2012 to represent California's 58th Assembly District, which includes the cities of Downey, Commerce, Pico Rivera, Bell Gardens, Bellflower, Cerritos, Artesia, Montebello and a part of Norwalk.

***Mike Gatto**
<28e166efce1b601272f65171fd3f5e3e.png>
http://www.asmdc.org/members/a43/
I represent Atwater Village, Burbank, Glendale, Hollywood, La Canada Flintridge, La Crescenta, Los Feliz, Montrose, and Silver Lake in the state legislature.
Mike has worked extensively in government and the private sector. For years, he served as District Director to a United States Congressman representing the San Fernando Valley and Burbank. He also served in the administrations of two Los Angeles Mayors. In the private sector, Mike worked as an attorney representing California's small businesses, assisting them with issues they had with government bureaucracy. Mike has also taught English and given his time extensively to legal clients and non-profit entities who could not otherwise afford an attorney.
Mike sits on five different committees, including Appropriations; Arts, Entertainment, Sports,Tourism, & Internet Media; Water, Parks & Wildlife; Government Organization; and Banking & Finance. For the 2011-2012 session, Mike was named Assistant Speaker Pro Tempore of the California Assembly and presided over meetings when the Speaker Pro Tempore could not. In late 2012, Gatto was named Chairman of the Assembly Appropriations Committee.

Mike is married to Danielle Gatto. In 2010, they welcomed in the world their first child, Elliana Vivienne.

*Roger Hernandez
<2513d9232d0eead16c53b7d894034dea.png>
http://en.wikipedia.org/wiki/Roger_Hernandez
He is a Democrat representing the 57th district, encompassing parts of the San Gabriel Valley in Los Angeles County. Prior to being elected to the state assembly, he was the Mayor of West Covina, a member of the West Covina City Council, and Professor of Government at Rio Hondo and Citrus Community Colleges. Prior to his tenure on the City Council, Hernández was elected to the Rowland Unified School Board were he served form November 1999 through July 2003.

***Ben Hueso**
<9b6aac53429cde875695941ca5ccf88f.png>

http://en.wikipedia.org/wiki/Ben_Hueso
He was elected to the California State Senate in a special election on March 12, 2013, representing the 40th district.[2] Previously he served in the California State Assembly, representing the 80th District from 2012 to 2013 and the 79th district from 2010 to 2012.[3] Prior to that he served on the San Diego City Council, including two years as city council president.

***James Patterson (R)**

<f73b51fab107b96d62afcd53cfed5a9c.png>

http://en.wikipedia.org/wiki/Jim_Patterson_(politician)
http://www.jimpatterson.com
Jim Patterson is serving in the California State Assembly. He is a Republican representing the 23rd district, which encompasses eastern Fresno County and a slice of Tulare County. Prior to being elected to the state assembly, he was a business executive, broadcaster, public speaker, and is the former mayor of Fresno, California

***Bill Quirk**
<bebd364dd6054221012c5e46114df127.png>
Assemblymember Bill Quirk (D) was elected in November 2012 to represent the 20th Assembly District, which consists of Hayward, Union City, Castro Valley, San Lorenzo, Ashland, Cherryland, Fairview, Sunol and North Fremont.

Before being elected to the Assembly, Quirk worked as a climate change scientist at NASA before beginning his career at the Lawrence Livermore National Lab, where he played a key role in the negotiations for the Nuclear Test Ban Treaty. Teaching physics at Columbia, Caltech and UC Davis as well as playing an active role in his children's education helped Quirk formulate his lifelong interest in education.
http://asmdc.org/members/a20/

***Anthony Rendon**
<87a6c5427c55ae7c568a956475730f69.png>
http://asmdc.org/members/a63/
Dr. Anthony Rendon was elected in November 2012 to represent California's 63rd Assembly District, which includes the communities of Bell, Cudahy, Hawaiian Gardens, Lakewood, Long Beach, Lynwood, Maywood, Paramount and South Gate. Rendon brings exceptional experience as an educator, children's non-profit executive director, and environmental leader who has helped pass some of the most important laws protecting our water and air quality.

Committee memberships:
- Utilities and Commerce: Primary jurisdictions are public utilities; the California Public Utilities Commission; the California Energy Commission; the California Independent System Operator; Electricity Oversite Board; energy companies; common carriers; electricity; alternative energy development and conservation; natural gas; wireless, wireline and cable communications; international trade; Women and Minority Business Enterprises; and tourism.
- Budget
- Public Employees, Retirement and Social Security: Primary jurisdiction is oversight of Classified school employees, Judges Retirement Law, Public employee collective bargaining, and Public retirement administration and investment strategy.
- Water, Parks and Wildlife, Chair

***Rudy Salas**
<8e867915f58b4dbb7f9beb6edc976b72.png>
http://asmdc.org/members/a32/about/biography
Assemblymember Rudy Salas was elected in November 2012 to represent California's 32nd Assembly District, comprised of part of the City of Bakersfield, Hanford, Corcoran, Delano, Lemoore, Shafter, Wasco and the communities of Armona, Avenal, Kettlemen City, Lamont, Lost Hills, Stratford and Weedpatch. The first Latino to serve on the Bakersfield City Council, Rudy Salas Jr, was born and raised in California's Central Valley.

Standing Committees
- Accountability and Administrative Review
- Governmental Organization
- Veterans Affairs

Select Committees
- Chair, Regional Approaches to Addressing the State's Water Crisis
- Chair, Workforce and Vocational Development in California

***Scott T. Will (R)**
<875627a3538391262bf9a5a468db19c9.png>

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Recognized for his strong leadership abilities, Scott has been appointed by the Speaker of the Assembly to be the Vice-Chair of the Assembly Rules Committee which has jurisdiction over the business of the Legislature.
Scott earned a B.A. degree in Political Science from California State University, Bakersfield and his career has spanned both the private and public sector. He served as Chief of Staff for California Assembly Members Tom McClintock and Paula Boland, as well as District Director for Representative Howard P. "Buck" McKeon. While working for Assemblyman McClintock and Assemblywoman Boland, Scott was the architect of successful legislation on a variety of important issues.
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<268244399cdc04ec53b50980dd163ab6.png>

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He is the chair of the Assembly's Higher Education Committee. Assemblymember Williams also serves on the Education, Health, Veterans Affairs and Utilities and Commerce Committees. During his first term he also sat on the Rules committee, a post generally held for more seasoned legislators.

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*Adrienne Alvord, Director, California and Western States, Union of Concerned Scientists
*Sheryl Carter, Co-Director of the Energy Program, Natural Resources Defense Council
* Derek Walker, Assoc Vice President, U.S. Climate & Energy Program, Environmental Defense Fund
*Jay Ziegler, Director of External Affairs Policy, The Nature Conservancy

CONSUMER
*Joe Como, Acting Director, Division of Ratepayer Advocates, c.P.U.c.

*Mark W. Toney, Executive Director, The Utility Reform Network (TURN)

LABOR
* Daniel M. Curtin, Director, California Conference of Carpenters
*Thomas M. Dalzell, Business Manager/Financial Secretary, I.B.E.W. Local Union 1245
*Mike Layton, Assistant Business Manager, Southern California Pipe Trades

CALIFORNIA FOUNDATION ON THE ENVIRONMENT AND THE ECONOMY
*Patrick F. Mason, President
*Beth Eo Vaughan, Policy Consultant
* Celeste Cremen, Conference Coordinator
*Emilie Chu, Controller
*Joan Lynch, Assistant to Conference Coordinator
*Nora Traughber, Fellow

From:	McAllister, Andrew@Energy <andrew.mcallister@energy.ca.gov>
Sent:	Thursday, April 25, 2013 7:35 AM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>; Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; Saxton, Patrick@Energy <Patrick.Saxton@energy.ca.gov>; Miranda, Hazel@Energy <hazel.c.miranda@energy.ca.gov>
Subject:	RE: Talking points on Energy Efficiency for Thursday's CFEE Conference
Attach:	CFEE talking points.docx

Mark,
Here are my talking points. I won't read all this of course - 7 minutes is only enough for high-level points. We do have to avoid getting them saturated.
BTW, I really like your 2013-14 program schematic - lays out in one page what is a fairly complex suite of efforts!
See you later today.
Andrew

From: Ferron, Mark J. [mark.ferron@cpuc.ca.gov]
Sent: Tuesday, April 23, 2013 3:29 PM
To: McAllister, Andrew@Energy
Cc: TerKeurst, Charlotte; Colvin, Michael; Clinton, Jeanne
Subject: Talking points on Energy Efficiency for Thursday's CFEE Conference

Hi Andrew,

It was great to catch up last Thursday. As discussed, I am attaching my rough talking points that I cobbled together from material provided by Jeanne and Michael to use during our session on EE at the CFEE Conference on Thursday. Please let me know if you have any comments or if you have any areas that, based on what you plan to say, I should avoid or emphasize.

Cheers

Mark

(p.s., Because I received an email error message, I am resending, so apologies for duplication....)

Mark J. Ferron
Commissioner
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
415-703-2444
http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

McAllister CFEE talking points: 4/25/13

2:15 pm – 3:30 pm—SESSION 3: Pushing the Envelope on Energy Efficiency and Demand Response

What are our energy efficiency goals in terms of state and local energy policies, and climate change goals? What is the current policy on demand response? What has been achieved and what is our current status? How can we capture 100% of cost-effective energy efficiency? What are the challenges? What are the costs and benefits involved? What are the next steps?

Andrew McAllister, Commissioner, California Energy Commission *(7-10 min)*
Mark Ferron, Commissioner, California Public Utilities Commission *(7-10 min)*
Ron Nichols, General Manager, Los Angeles Department of Water and Power
Kevin Evans, Vice President and General Manager, Integrated Demand Resources, Building Efficiency, Johnson Controls *(5-7 min)*
Sheryl Carter, Co-Director Energy Program, Natural Resources Defense Council *(5-7 min)*
Roundtable Discussion

Overview: California Leadership. The CPUC's *Zero Net Energy Action Plan* and the Energy Commission's *Integrated Energy Policy Report* (IEPR) set zero net energy goals for new homes by 2020, and new commercial buildings by 2030.[1] California's *Long-Term Energy Efficiency Strategic Plan* calls for energy consumption in existing residential buildings to be reduced by 40 percent by 2020.[2] California Air Resources Board's *Climate Change Scoping Plan* sets deep targets for reduced energy consumption from energy efficiency improvements by 2020.[3] Specific legislative mandates also exist: for example, Assembly Bill 1103 (2007) requires nonresidential building owners to disclose benchmarking data and ratings to prospective buyers, lessees, or lenders. Finally, Governor Brown's Clean Jobs Plan of 2010 calls for increased efficiency in existing buildings.

CEC and PUC are sister agencies and work together very closely to coordinate and complement. Core to EE is the management of the utilities—investor-owned and publically-owned—who every 3 years are required to develop goals for cost-effective energy efficiency and programs that will achieve them.

CEC highlights:

1. **Codes & Standards:** motivation and impact. California first introduced energy efficiency building standards in 1978 with the implementation of Title 24. Since 1978, the state has saved $70+ billion in electricity and natural gas costs and averted building at least 15 large power plants.[4]
    a. Appliance Standards (Title 20)

---

[1] California Energy Commission, "2012 Integrated Energy Policy Report Update"; CPUC, "Zero Net Energy Action Plan".
[2] CPUC, "California Long Term Energy Efficiency Strategic Plan," San Francisco, September 2008, <http://www.cpuc.ca.gov/PUC/energy/Energy+Efficiency/eesp/>.
[3] California Air Resources Board, "Climate Change Scoping Plan: Pursuant to AB 32 the California Global Warming Solutions Act of 2006," California Air Resources Board, Sacramento, 2008.
[4] CPUC, "California Long Term Energy Efficiency Strategic Plan."

- All appliances sold in CA shall meet State and federal energy and water efficiency standards
- First standards effective 1977 – refrigerators, freezers, and air conditioners
- ~ 17 categories of appliances regulated
- Cover 50+ residential and commercial appliances
- $39B cumulative electricity savings
- Annual electricity consumption reduction ~ 18,000 GWh
- In 2012, ~ 19,000 appliances newly certified
- Appliance categories covered by federal standards are pre-empted from more stringent state standards (in practice, CA provides leadership, DOE often follows).
- Currently in middle of T20 process for a bunch of new items [chart]

b. Building Standards (Title 24, Part 6)
   - First building standards adopted in 1978
   - Updated approximately every three years
   - Ensure better windows, insulation, lighting, ventilation systems, and other features that reduce energy consumption are installed in homes and businesses.
   - $35B cumulative electricity savings
   - Residential – space heating, space cooling, water heating
   - Nonresidential – space heating, space cooling, water heating, lighting
   - Beginning in 2013, synchronized with update of other parts of Title 24 (plumbing, electrical, etc)
   - 2013 standards effective 1/1/2014
   - Very high level of stakeholder engagement, for 2013 update process there were ~ 45 industry stakeholder meetings (informal pre-rulemaking), ~ 15 workshops (formal rulemaking), responded to 1000+ public comments
   - 2013 savings percentage sounds very aggressive (25% residential, 30% nonresidential) but needs clarification since it is a percent of a smaller amount of energy over time (due to energy reduction from prior standards)
   - Striving to stay on trajectory for 2020 residential ZNE
   - For 2013: single-family home with a 30-year mortgage, standards return ~ $6,200 in energy savings (over course of 30 years) on a homeowner's ~ $2,300 investment (increased first cost)
   - new T24 standards take effect Jan 2014, and represent around a 25% improvement over the previous version of code.

2. **Existing buildings.** AB 758. Massive opportunity and challenge. With more than 55 percent of California's 13 million residential buildings and over 40 percent of its nonresidential buildings having been built prior to the energy efficiency standards,[5] existing buildings contribute nearly

[5] Martha Brook, B. Chrisman, P. David, T. Ealey, et.al, "Draft Staff Report: Achieving Energy Savings in California Buildings," California Energy Commission, Sacramento, July 2011: CEC-400-2011-007-SD.

one quarter of California's greenhouse emissions.[6] In order to massively scale-up EE in existing buildings, two issues we know we need to solve are:

   a. more regular access to better data, and
   b. improved code compliance.

3. **Demand Response.** Concept and practice. Critical that the agencies solve this together, and we are working actively on several fronts: (CPUC proceedings; CEC IEPR; ISO Roadmapping)
4. **R&D.** – supports program activities hand-in-glove: examples [may or may not mention]
5. Finally, note that there are several dozen POUs that supply around 30% of te state's electricity. CEC is a relatively weak regulator, but the only state-level one we have! EE investments tend to be lower than PUC. POUs are highly variable – small/large, level of sophistication. Several assns (North/South).

[6] California Air Resources Board, "Climate Change Scoping Plan: Pursuant to AB 32, The California Global Warming Act Solutions Act of 2006," California Air Resources Board, Sacramento, 2008.

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Thursday, April 25, 2013 8:08 AM
To:	McAllister, Andrew@Energy <andrew.mcallister@energy.ca.gov>
Cc:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; Saxton, Patrick@Energy <Patrick.Saxton@energy.ca.gov>; Miranda, Hazel@Energy <hazel.c.miranda@energy.ca.gov>
Subject:	Re: Talking points on Energy Efficiency for Thursday's CFEE Conference

---

An observation that I would make about both sets of talking points is that EE is a *portfolio* of LOTS different programs. It may be worth one of the two of you off-handedly mentioning we are not talking about one single effort, but lots of coordinated efforts. While we all 'know this' it might not be obvious just from the high level talking points and I don't know if the members have an intrinsic feel for any of this...

Michael

On Apr 25, 2013, at 7:35 AM, "McAllister, Andrew@Energy" <andrew.mcallister@energy.ca.gov> wrote:

> Mark,
> Here are my talking points. I won't read all this of course - 7 minutes is only enough for high-level points. We do have to avoid getting them saturated.
> BTW, I really like your 2013-14 program schematic - lays out in one page what is a fairly complex suite of efforts!
> See you later today.
> Andrew
>
> ---
>
> **From:** Ferron, Mark J. [mark.ferron@cpuc.ca.gov]
> **Sent:** Tuesday, April 23, 2013 3:29 PM
> **To:** McAllister, Andrew@Energy
> **Cc:** TerKeurst, Charlotte; Colvin, Michael; Clinton, Jeanne
> **Subject:** Talking points on Energy Efficiency for Thursday's CFEE Conference
>
> Hi Andrew,
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>
> Cheers
>
> Mark
>
> (p.s., Because I received an email error message, I am resending, so apologies for duplication....)

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<CFEE talking points.docx>

From:	McAllister, Andrew@Energy <andrew.mcallister@energy.ca.gov>
Sent:	Thursday, April 25, 2013 8:59 AM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Cc:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Clinton, Jeanne <jeanne.clinton@cpuc.ca.gov>; Saxton, Patrick@Energy <Patrick.Saxton@energy.ca.gov>; Miranda, Hazel@Energy <hazel.c.miranda@energy.ca.gov>
Subject:	Re: Talking points on Energy Efficiency for Thursday's CFEE Conference

thanks Michael, great point.

Sent from my phone

On Apr 25, 2013, at 8:08, "Colvin, Michael" <michael.colvin@cpuc.ca.gov> wrote:

> An observation that I would make about both sets of talking points is that EE is a *portfolio* of LOTS different programs. It may be worth one of the two of you off-handedly mentioning we are not talking about one single effort, but lots of coordinated efforts. While we all 'know this' it might not be obvious just from the high level talking points and I don't know if the members have an intrinsic feel for any of this...
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> > Here are my talking points. I won't read all this of course - 7 minutes is only enough for high-level points. We do have to avoid getting them saturated.
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> > **Sent:** Tuesday, April 23, 2013 3:29 PM
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http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

<CFEE talking points.docx>

From: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 10:55 AM
To: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject:

Please let the CFEE folks know I will NOT be attending. Regrets.

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 11:28 AM
To: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject: RE:

---

ok

-----Original Message-----
From: Sadler, Lynn
Sent: Thursday, April 25, 2013 10:55 AM
To: Wilson, Yvonne D.
Subject:

Please let the CFEE folks know I will NOT be attending. Regrets.

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

From:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent:	Thursday, April 25, 2013 11:38 AM
To:	celeste@cfee.net
Cc:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject:	Re: Lynn Sadler's attendance - CFEE Conf today

Ms. Lynn Sadler send her regrets that she will not be able attend. Unfortunately, Ms. Sadler is a participant in a legislative meeting in which she is unable to leave.

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 11:41 AM
To: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Subject: RE: CFEE (Regrets delivered and hotel reservation cancelled)

I called and emailed CFEE your regrets and I also cancelled your hotel reservations.

-----Original Message-----
From: Sadler, Lynn
Sent: Thursday, April 25, 2013 10:55 AM
To: Wilson, Yvonne D.
Subject:

Please let the CFEE folks know I will NOT be attending. Regrets.

Lynn Sadler

Sent from my iPad. Please enjoy cryptic responses and misspellings as entertaining reflections of intelligent good will.

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 12:10 PM
To: Mattias, Cathy G. <cathy.mattias@cpuc.ca.gov>
Subject: RE: RUSH! Please -trv req ls1 for cfee conf

Forget it -- toss it -- Lynn just cancelled.

-----Original Message-----
From: Mattias, Cathy G.
Sent: Wednesday, April 24, 2013 4:13 PM
To: Wilson, Yvonne D.
Subject: RE: RUSH! Please -trv req ls1 for cfee conf

Got it. When you get the invoice from CFEE for the Conference Fee call me and I'll tell you what costs it includes. Call me before you do a Travel Claim.

-----Original Message-----
From: Wilson, Yvonne D.
Sent: Wednesday, April 24, 2013 4:02 PM
To: Mattias, Cathy G.
Subject: RUSH! Please -trv req ls1 for cfee conf

." Lynn is participating in the CFEE meeting in Napa, CA tomorrow. I just emailed you the attachment with Lynn's signature.

-----Original Message-----
From: OGA [mailto:ydw@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 3:57 PM
To: Mattias, Cathy G.
Cc: Wilson, Yvonne D.
Subject: trv req ls1 for cfee conf

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

From: Mattias, Cathy G. <cathy.mattias@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 12:13 PM
To: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject: RE: RUSH! Please -trv req ls1 for cfee conf

Okie doke

-----Original Message-----
From: Wilson, Yvonne D.
Sent: Thursday, April 25, 2013 12:10 PM
To: Mattias, Cathy G.
Subject: RE: RUSH! Please -trv req ls1 for cfee conf

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To: Wilson, Yvonne D.
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To: Mattias, Cathy G.
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Sent: Wednesday, April 24, 2013 3:57 PM
To: Mattias, Cathy G.
Cc: Wilson, Yvonne D.
Subject: trv req ls1 for cfee conf

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

From:	Celeste Cremen <celeste@cfee.net>
Sent:	Thursday, April 25, 2013 2:57 PM
To:	Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Subject:	Re: Lynn Sadler's attendance - CFEE Conf today

Thank you for letting us know.

Celeste

On Apr 25, 2013, at 11:37 AM, "Wilson, Yvonne D." <yvonne.wilson@cpuc.ca.gov> wrote:

> Ms. Lynn Sadler send her regrets that she will not be able attend. Unfortunately, Ms. Sadler is a participant in a legislative meeting in which she is unable to leave.

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

This transmission by CFEE is intended solely for the addressee(s) and may be confidential. If you are not the named addressee, or if the message has been addressed to you in error, you must not read, disclose, reproduce, distribute or use this transmission. Delivery of this message to any person other than the named addressee is not intended in any way to waive confidentiality. If you have received this transmission in error please contact the sender and delete the message.

From: Celeste Cremen <celeste@cfee.net>
Sent: Monday, April 29, 2013 10:03 AM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject: Re: CFEE Conference in Napa

Hi,

We will get those out ASAP. THX

Celeste

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On Apr 29, 2013, at 7:47 AM, "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov> wrote:

> Hi Celeste,
> Do you have a copy of the invoice for the following staff are? Please email them to me.
>
> 1) Michael Colvin
> 2) Charlotte TerKeurst
> 3) Sara Kamins
>
> Thank you,
>
> **Josie E**
> *(415) 703-2531*
>
> ---
>
> **From:** Celeste Cremen [mailto:celeste@cfee.net]
> **Sent:** Wednesday, April 24, 2013 9:08 AM
> **To:** Emelo, Josephine
> **Cc:** Emilie Chu
> **Subject:** Re: CFEE Conference in Napa
>
> Hi,
>
> No worries if it is not paid before they depart. We will probably get them out next week. Does

that work for you?

On Apr 24, 2013, at 8:47 AM, "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov> wrote:

Hi Celeste,
Do I get an invoice for the following staff that are attending the conference on April 25-26?

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

Celeste

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International Project Manager
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From: Joan Lynch <jlynch@cfee.net>
Sent: Monday, April 29, 2013 11:02 AM
To: Emilie Chu <echu@cfee.net>
Cc: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: invoice for Chaset

Nick,
Forwarded to Emilie. She does our billing.

From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Mon, 29 Apr 2013 17:17:02 +0000
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: bio request for CFEE conf

Joan
Could you send me the invoice from the CFEE conference? The administrative staff at the CPUC are asking for it.
THanks

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Celeste Cremen <celeste@cfee.net>
Sent: Monday, May 6, 2013 3:19 PM
To: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject: Re: CFEE Conference in Napa

Hi,

The cost of the hotel is covered in the fee. The staff hotel cost us usually $149. No extra invoice or payment is needed besides the $350 invoice

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
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On May 6, 2013, at 2:52 PM, "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov> wrote:

> Hi Celeste,
> I received the invoice for Michael Colvin, Sara Kamins and Charlotte TerKeurst. I need to know the room charge for each staff. The invoice is $350 for registration fee.
>
> Thank you,
>
> **Josie E**
> *(415) 703-2531*
>
> ---
>
> **From:** Celeste Cremen [mailto:celeste@cfee.net]
> **Sent:** Monday, April 29, 2013 10:03 AM
> **To:** Emelo, Josephine
> **Subject:** Re: CFEE Conference in Napa
>
> Hi,
>
> We will get those out ASAP. THX

Celeste

Celeste Cremen
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Conference Coordinator

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2) Charlotte TerKeurst
3) Sara Kamins

Thank you,

Josie E
(415) 703-2531

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Sent: Wednesday, April 24, 2013 9:08 AM
To: Emelo, Josephine
Cc: Emilie Chu
Subject: Re: CFEE Conference in Napa

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Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
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(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

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From:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent:	Tuesday, May 7, 2013 3:58 PM
To:	Hook, Charlyn A. <charlyn.hook@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>
Subject:	CFEE 4/25-26/2013 (TEC's)

Hi everyone,
I will need the following information below.

1) Time left and arrive at home
2) How many mileage used

Thank you,

Josie Emelo

Senior Legal Typist
Office of Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-2531 direct
(415) 703-2444 main
(415) 703-1903 fax
Email: Josephine.emelo@cpuc.ca.gov

From:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Sent:	Tuesday, May 7, 2013 4:34 PM
To:	celeste@cfee.net
Cc:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject:	Michael Colvin CFEE Silverado receipt
Attach:	sil_folio3440725.pdf

Hi Celeste

As Josie has discussed with you, I ended up being charged by Silverado for the room in addition the conference fee. Josie indicated to me that if I sent you the receipt (see attached) that you could then arrange for a refund and then the provided invoice from CFEE could be processed. Please confirm and thank you.

Let me know if you need anything else.
Michael

-----Original Message-----
From: res.info_silverado@silveradoresort.com [mailto:res.info_silverado@silveradoresort.com]
Sent: Tuesday, May 07, 2013 4:31 PM
To: Colvin, Michael
Subject: [POSSIBLE SPAM] Guest Folio 255485 for your stay ending on 04-26-13 at Silverado Resort and Spa
Importance: Low

Hello,
We hope you enjoyed your recent stay at the Silverado Resort and Spa.

Attached is your guest folio that includes the checkout charges associated with your visit.

If you have any question about your billing, please contact us at (707) 257-0200.

Please stay with again soon. Visit us at http://www.silveradoresort.com to review upcoming local events and deals.

Yours in hospitality,
Silverado Resort Guest Services Team

SILVERADO
Resort and Spa
Napa

Mr MIchael Colvin
United States

Company Name: CFEE
Group Name: CFEE Energy Conf
INFORMATION INVOICE

Room No.	: 811
Arrival	: 04-25-13
Departure	: 04-26-13
Folio No.	: 58712
Conf. No.	: 255485
Cashier No.	: 242
Custom	:

Date	Description	Charges	Credits
04-25-13	Room Rate	199.00	
04-25-13	Occupancy Tax	23.88	
04-25-13	Napa Valley Tourism Tax	3.98	
04-25-13	California Tourism Tax	0.25	
04-25-13	Resort Fee	20.00	
04-25-13	Resort Fee Tax	2.80	
04-26-13	Visa XXXXXXXXXXXX5430 XX/XX		249.91

Total Charges	249.91	
Total Credits		249.91
Balance		**0.00**

Silverado Resort and Spa
1600 Atlas Peak Road, Napa, California 94558
Telephone: (707) 257-0200 || Fax: (707) 257-2867 || www.SilveradoResort.com

From:	Celeste Cremen <celeste@cfee.net>
Sent:	Tuesday, May 7, 2013 4:37 PM
To:	Colvin, Michael <michael.colvin@cpuc.ca.gov>
Cc:	Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Subject:	Re: Michael Colvin CFEE Silverado receipt

Hi Michael,

Yes, I will have them reverse the charges. You should not have been charged! Sorry about that. I will send you a receipt ASAP.

THX

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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On May 7, 2013, at 4:33 PM, "Colvin, Michael" <michael.colvin@cpuc.ca.gov> wrote:

> Hi Celeste
>
> As Josie has discussed with you, I ended up being charged by Silverado for the room in addition the conference fee. Josie indicated to me that if I sent you the receipt (see attached) that you could then arrange for a refund and then the provided invoice from CFEE could be processed. Please confirm and thank you.
>
> Let me know if you need anything else.
> Michael
>
> -----Original Message-----
> From: res.info_silverado@silveradoresort.com
> [mailto:res.info_silverado@silveradoresort.com]
> Sent: Tuesday, May 07, 2013 4:31 PM

To: Colvin, Michael
Subject: [POSSIBLE SPAM] Guest Folio 255485 for your stay ending on 04-26-13 at Silverado Resort and Spa
Importance: Low

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Please stay with again soon. Visit us at http://www.silveradoresort.com to review upcoming local events and deals.

Yours in hospitality,
Silverado Resort Guest Services Team
<sil_folio3440725.pdf>

From:	Celeste Cremen <celeste@cfee.net>
Sent:	Wednesday, May 8, 2013 9:21 AM
To:	michael.colvin@cpuc.ca.gov
Cc:	Josephine Emelo <josephine.emelo@cpuc.ca.gov>
Subject:	Fwd: Michael Colvin CFEE Silverado receipt
Attach:	CFEE - Revised Rooms.PDF; M. Colvin.PDF

Michael,

Please see the adjustment. Thank you for your patience.

Celeste

Begin forwarded message:

From: Maria Cortez <Maria.Cortez@silveradoresort.com>
Subject: RE: Michael Colvin CFEE Silverado receipt
Date: May 8, 2013 8:42:59 AM PDT
To: Celeste Cremen <celeste@cfee.net>

Hi Celeste,

Attached please find the revised room statement including Michael Colvin. I have also attached a receipt of the refund to his credit card.

Thank you,

Maria Cortez | Accounts Receivable Clerk
Silverado Resort and Spa
1600 Atlas Peak Road | Napa, CA 94558
Direct: 707-257-5417 | Fax: 707-257-5414
www.SilveradoResort.com

From: Celeste Cremen [mailto:celeste@cfee.net]
Sent: Tuesday, May 07, 2013 4:53 PM
To: Maria Cortez
Subject: Fwd: Michael Colvin CFEE Silverado receipt
Importance: Low

Maria:

Michael Colvin was charged for his room and tax but he should not have been. Could you kindly reverse the charges and put on my master account?

Thank you so very much!

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
T: 415.788.1786
F: 415.986.2227
www.cfee.net

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Begin forwarded message:

From: Celeste Cremen <celeste@cfee.net>
Subject: Re: Michael Colvin CFEE Silverado receipt
Date: May 7, 2013 4:37:23 PM PDT
To: "Colvin, Michael" <michael.colvin@cpuc.ca.gov>
Cc: "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov>

Hi Michael,

Yes, I will have them reverse the charges. You should not have been charged! Sorry about that. I will send you a receipt ASAP.

THX

Celeste

Celeste Cremen
International Project Manager
Conference Coordinator

California Foundation on the Environment and the Economy
Pier 35, Suite 202 | San Francisco, CA 94133
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On May 7, 2013, at 4:33 PM, "Colvin, Michael" <michael.colvin@cpuc.ca.gov> wrote:

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Michael

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To: Colvin, Michael
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Importance: Low

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Please stay with again soon. Visit us at http://www.silveradoresort.com to review upcoming local events and deals.

Yours in hospitality,
Silverado Resort Guest Services Team
<sil_folio3440725.pdf>

Celeste

Celeste Cremen

International Project Manager
Conference Coordinator

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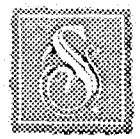

SILVERADO
Resort and Spa
Napa

Silverado Resort and Spa

05-07-13
16:57

REVISED STATEMENT

CFEE Energy Conf
130 Junipero Serra
San Francisco CA 94127
United States

Folio No .

Room No. : 9005
Arrival : 04-24-13
Departure : 05-07-13
Cashier :

Room	Name	Arrival	Departure	Room	Tax	Resort Fee	Food & Beverage	Spa	Golf	Other	Grand Total	Payments
881	Buchanan, Joan	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
908	Cannella, Anthony	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
457	Chaset, Nicolas	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
374	Chavez, Rocky	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
631	Clinton, Jeanne	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
811	Colvin, Michael	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
266	Cremen, Celeste	04-24-13	04-26-13	398.00	61.82	40.00	62.33	2.52	0.00	72.48	637.15	0.00
833	Eggman, Susan	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
801	Florio, Mike	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
371	Foster, Bob	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
432	Gaines, Beth	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
721	Garcia, Cristina	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
437	Hueso, Ben	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
430	Jimenez, Lourdes	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
635	Kamins, Sara	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
839	Layton, Mike	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
898	Lukins, Chloe	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
416	Mason, Patrick	04-24-13	04-25-13	199.00	30.91	20.00	12.64	0.00	0.00	0.00	262.55	0.00
456	McAllister, Andrew	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
800	Metropulos, James	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
385	Nichols, Mary	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
626	Padgett, Alan	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
893	Patterson, James	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
428	Pavley, Fran	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
356	Peevey, Michael	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
610	Pierini, Ryan	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
641	Poirier, Marcelo	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
622	Quirk, William	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
431	Randolph, Edward	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
754	Rechtschaffen, Cliff	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
398	Rendon, Anthony	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
391	Skinner, Nancy	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
433	Terkeurst, Charlotte	04-25-13	04-26-13	149.00	23.91	20.00	0.00	0.00	0.00	0.00	192.91	0.00
306	Titus, Dave	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
781	Toney, Mark	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
355	Weisenmiller, Robert	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
383	Welch, Virgil	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00

Silverado Resort and Spa
1600 Atlas Peak Road, Napa, California 94558 || Telephone: (707) 257-0200 || Fax: (707) 257-2867 || www.SilveradoResort.com

Silverado Resort and Spa

REVISED STATEMENT

SILVERADO
Resort and Spa
Napa

Room	Name	Arrival	Departure	Room	Tax	Resort Fee	Food & Beverage	Spa	Golf	Other	Grand Total	Payments
821	Wilk, Scott	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
478	Wolk, Lois	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
469	Wright, Rod	04-25-13	04-26-13	199.00	30.91	20.00	0.00	0.00	0.00	0.00	249.91	0.00
				7,759.00	1,211.31	820.00	74.97	2.52	0.00	72.48	9,940.28	0.00

Total Rooms 0
Total Guests 43

Silverado Resort and Spa
1600 Atlas Peak Road, Napa, California 94558 || Telephone: (707) 257-0200 || Fax: (707) 257-2867 || www.SilveradoResort.com

SILVERADO
Resort and Spa
Napa

Mr Michael Colvin
United States

Company Name: CFEE
Group Name: CFEE Energy Conf
INFORMATION INVOICE

Room No.	: 811
Arrival	: 04-25-13
Departure	: 04-26-13
Folio No.	: 58712
Conf. No.	: 255485
Cashier No.	: 242
Custom	:

Date	Description	Charges	Credits
04-26-13	Visa XXXXXXXXXXXX5430 XX/XX		249.91
05-07-13	Visa R/T to master XXXXXXXXXXXX5430 XX/XX		-249.91

Total Charges	0.00	
Total Credits		0.00
Balance		**0.00**

Silverado Resort and Spa
1600 Atlas Peak Road, Napa, California 94558
Telephone: (707) 257-0200 || Fax: (707) 257-2867 || www.SilveradoResort.com

From: Emilie Chu <echu@cfee.net>
Sent: Wednesday, May 8, 2013 1:37 PM
To: josephine.emelo@cpuc.ca.gov
Cc: Celeste Cremen <celeste@cfee.net>
Subject: Invoice for Commissioner Ferron
Attach: Ferron, Mark.pdf

Josie,

Here is the invoice you have requested. Original to follow in the mail. Please let me know of any questions you may have. Thanks.

--

Emilie Chu
Controller

California Foundation on the Environment and the Economy
Pier 35, Suite 202
San Francisco, CA 94133
(415) 788 1786 Main
(415) 986 2227 Fax

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

May 8, 2013

California Public Utilities Commission
505 Van Ness Avenue, Room 5213
San Francisco, CA 94102

Attn: Mr. Mark Ferron
Commissioner

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Reimbursement for Meals $167

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

Pier 35, Suite 202, San Francisco, CA 94133, (415) 788 -1786, info@cfee.net

From: Emelo, Josephine <josephine.emelo@cpuc.ca.gov>
Sent: Wednesday, May 8, 2013 1:48 PM
To: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject: FW: Invoice for Commissioner Ferron
Attach: Ferron, Mark.pdf

Thank you,

Josie E
(415) 703-2531

From: Emilie Chu [mailto:echu@cfee.net]
Sent: Wednesday, May 08, 2013 1:37 PM
To: Emelo, Josephine
Cc: Celeste Cremen
Subject: Invoice for Commissioner Ferron

Josie,

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Emilie Chu
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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

May 8, 2013

California Public Utilities Commission
505 Van Ness Avenue, Room 5213
San Francisco, CA 94102

Attn: Mr. Mark Ferron
Commissioner

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Reimbursement for Meals $167

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

Pier 35, Suite 202, San Francisco, CA 94133, (415) 788 -1786, info@cfee.net

From: Emilie Chu <echu@cfee.net>
Sent: Wednesday, May 15, 2013 2:07 PM
To: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: Re: invoice for Chaset
Attach: Chaset, Nicholas.pdf

Hi Nick,

The original was sent almost two weeks ago. Anyhow, attached is a PDF of it. Please let me know if you have any questions.

--

Emilie Chu
Controller

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San Francisco, CA 94133
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From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Wed, 15 May 2013 17:56:40 +0000
To: Joan Lynch <jlynch@cfee.net>, Emilie Chu <echu@cfee.net>
Subject: RE: invoice for Chaset

Emilie
Could you please send me my invoice for the recent CFEE conference? I need to turn it in to for processing.

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Monday, April 29, 2013 11:02 AM
To: Emilie Chu
Cc: Chaset, Nicolas L.
Subject: invoice for Chaset

Nick,

Forwarded to Emilie. She does our billing.

From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Mon, 29 Apr 2013 17:17:02 +0000
To: Joan Lynch <jlynch@cfee.net>
Subject: RE: bio request for CFEE conf

Joan
Could you send me the invoice from the CFEE conference? The administrative staff at the CPUC are asking for it.
THanks

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

May 2, 2013

California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Attn: Mr. Nicolas Chaset
Governor's Special Advisor for DG, CHP & Energy Storage

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Conference Fee $350

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

From:	Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent:	Wednesday, May 15, 2013 2:08 PM
To:	Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Subject:	FW: invoice for Chaset
Attach:	Chaset, Nicholas.pdf

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Emilie Chu [mailto:echu@cfee.net]
Sent: Wednesday, May 15, 2013 2:07 PM
To: Chaset, Nicolas L.
Subject: Re: invoice for Chaset

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Emilie Chu
Controller

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(415) 788 1786 Main
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From: "Chaset, Nicolas L." <nicolas.chaset@cpuc.ca.gov>
Date: Wed, 15 May 2013 17:56:40 +0000
To: Joan Lynch <jlynch@cfee.net>, Emilie Chu <echu@cfee.net>
Subject: RE: invoice for Chaset

Emilie
Could you please send me my invoice for the recent CFEE conference? I need to turn it in to for processing.

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission

e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Joan Lynch [mailto:jlynch@cfee.net]
Sent: Monday, April 29, 2013 11:02 AM
To: Emilie Chu
Cc: Chaset, Nicolas L.
Subject: invoice for Chaset

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

May 2, 2013

California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Attn: Mr. Nicolas Chaset
Governor's Special Advisor for DG, CHP & Energy Storage

INVOICE

CFEE* Roundtable Conference on Energy
April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference #C1302)

Conference Fee $350

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

From:	Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Sent:	Wednesday, May 15, 2013 2:08 PM
To:	Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Subject:	FW: invoice for Chaset
Attach:	Chaset, Nicholas.pdf

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From: Emilie Chu [mailto:echu@cfee.net]
Sent: Wednesday, May 15, 2013 2:07 PM
To: Chaset, Nicolas L.
Subject: Re: invoice for Chaset

Hi Nick,

The original was sent almost two weeks ago. Anyhow, attached is a PDF of it. Please let me know if you have any questions.

--

Emilie Chu
Controller

California Foundation on the Environment and the Economy
Pier 35, Suite 202
San Francisco, CA 94133
(415) 788 1786 Main
(415) 986 2227 Fax

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ON THE ENVIRONMENT AND THE ECONOMY

May 2, 2013

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Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

From: Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Sent: Wednesday, May 15, 2013 2:11 PM
To: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
Subject: RE: invoice for Chaset

Thanks, I'll process the payment for CFEE

From: Chaset, Nicolas L.
Sent: Wednesday, May 15, 2013 2:08 PM
To: Mendiola, Carolina
Subject: FW: invoice for Chaset

Nick Chaset
Governor's Special Advisor for DG, CHP and Energy Storage
California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

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California Public Utilities Commission
e-mail: nicolas.chaset@cpuc.ca.gov
mobile: 510 219 2121

From:	Emilie Chu <echu@cfee.net>
Sent:	Wednesday, May 15, 2013 3:37 PM
To:	bnk@cpuc.ca.gov
Cc:	Celeste Cremen <celeste@cfee.net>
Subject:	Revised Invoice for Commissioner Ferron
Attach:	Ferron, Mark.pdf

Hi Juliane,

As you have requested, please see the invoice attached. Do not hesitate to contact me with any questions.

--

Emilie Chu
Controller

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CALIFORNIA FOUNDATION
ON THE ENVIRONMENT AND THE ECONOMY

May 8, 2013

California Public Utilities Commission
505 Van Ness Avenue, Room 5213
San Francisco, CA 94102

Attn: Mr. Mark Ferron
Commissioner

INVOICE

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April 25-26, 2013, at Silverado Conference Center, Napa, California
(Reference No. C1302)

Conference Fee $167

Thank You.

*501(c)(3) Corp. Tax I.D. # 94-2579986

From: Freeman, Catherine <Catherine.Freeman@sen.ca.gov>
Sent: Wednesday, April 24, 2013 12:34 PM
To:
Subject: Sub2 Agenda April 25

The Agenda for Senate Budget Subcommittee #2 (April 25) is now available online.

http://sbud.senate.ca.gov/sites/sbud.senate.ca.gov/files/SUB2/04252013Sub2CEC_CPUC_CCC.pdf

Catherine Freeman
Senate Budget and Fiscal Review
(916) 651-4103

From: Freeman, Catherine <Catherine.Freeman@sen.ca.gov>
Sent: Wednesday, April 24, 2013 12:36 PM
To: lynn.sadler@cpuc.ca.gov; Jesse McGuinn <Jesse.McGuinn@dof.ca.gov>
Cc: Rocel.Bettencourt@sen.ca.gov
Subject: Hearing Testimony tomorrow

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Catherine Freeman
Senate Budget and Fiscal Review
(916) 651-4103

From:	Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent:	Wednesday, April 24, 2013 3:06 PM
To:	Clanon, Paul <paul.clanon@cpuc.ca.gov>; Cooke, Michelle <michelle.cooke@cpuc.ca.gov>; Lindh, Frank <frank.lindh@cpuc.ca.gov>
Subject:	Fwd: Hearing Testimony tomorrow

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Freeman, Catherine" <Catherine.Freeman@sen.ca.gov>
Date: 04/24/2013 12:35 PM (GMT-08:00)
To: "Sadler, Lynn" <lynn.sadler@cpuc.ca.gov>,Jesse McGuinn <Jesse.McGuinn@dof.ca.gov>
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From: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 3:07 PM
To: Catherine.Freeman@sen.ca.gov
Subject: RE: Hearing Testimony tomorrow

Thanks, Catherine. That is what we have prepared.

Sent from my Verizon Wireless 4G LTE Smartphone

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Sent: Wednesday, April 24, 2013 3:11 PM
To: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>; Clanon, Paul <paul.clanon@cpuc.ca.gov>; Lindh, Frank <frank.lindh@cpuc.ca.gov>
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Michelle

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From:	Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent:	Wednesday, April 24, 2013 3:22 PM
To:	Clanon, Paul <paul.clanon@cpuc.ca.gov>
Subject:	Fwd: Sub2 Agenda April 25

Sent from a "smartphone" which helps us communicate but makes us illiterate.
Edward Randolph

Begin forwarded message:

> **From:** "Freeman, Catherine" <Catherine.Freeman@sen.ca.gov>
> **Date:** April 24, 2013, 12:33:34 PM PDT
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From: Sadler, Lynn <lynn.sadler@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 3:27 PM
To: Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Subject: FW: Sub2 Agenda April 25

Lynn Sadler | Director, Office of Governmental Affairs
California Public Utilities Commission
770 L Street, Suite 1250
Sacramento, CA 95814
Wired: 916.327.8441
Lynn.Sadler@cpuc.ca.gov | www.cpuc.ca.gov

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> ---
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> Senate Budget and Fiscal Review
> (916) 651-4103

From:	Amato, Michael C. <michael.amato@cpuc.ca.gov>
Sent:	Wednesday, April 24, 2013 4:16 PM
To:	Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Subject:	FW: agenda for Senate hearing
Attach:	04252013Sub2CEC_CPUC_CCC[1].pdf

I assume you got this, but am forwarding in case not

From: Amato, Michael C.
Sent: Wednesday, April 24, 2013 4:13 PM
To: Dulin, Ryan
Cc: Lakritz, Jonathan; Wullenjohn, Robert J.
Subject: agenda for Senate hearing

Here is agenda for tomorrow. I did not see any mention of our BCP #7

Senate Budget and Fiscal Review—Senator Mark Leno, Chair
SUBCOMMITTEE NO. 2 **Agenda**

Senator Jim Beall, Chair
Senator Jim Nielsen
Senator Hannah-Beth Jackson

Thursday, April 25, 2013
9:30 a.m. or Upon Adjournment of Session
Hearing Room 2040

Consultant: Catherine Freeman

Items Proposed for Vote-Only

Item	Department	Page
0555	Secretary for Cal-EPA	2

Items Proposed for Discussion

Item	Department	Page
3720	California Coastal Commission	4
8660	California Public Utilities Commission (Commission Budget)	6
8660	Division of Ratepayer Advocates (California Public Utilities Commission)	18
3360	California Energy Commission	20

Resources—Environmental Protection—Energy—Transportation

Pursuant to the Americans with Disabilities Act, individuals who, because of a disability, need special assistance to attend or participate in a Senate Committee hearing, or in connection with other Senate services, may request assistance at the Senate Rules Committee, 1020 N Street, Suite 255 or by calling 916-651-1505. Requests should be made one week in advance whenever possible.

DEPARTMENTS PROPOSED FOR VOTE ONLY

0555 Secretary for Cal-EPA

1. **Transfer of the Office of Education and the Environment to the Department of Resources Recycling and Recovery (CalRecycle).** Pursuant to Chapter 39, Statutes of 2012 (SB 1018, Leno), this proposal transfers the Office of Education and the Environment from the Secretary's office at Cal-EPA to CalRecycle. The proposal shifts 10 positions and associated funding for the program.

Recommendation: **APPROVE** Item 1.

Vote:

CPUC02853

3720 California Coastal Commission

The California Coastal Commission, following its initial creation in 1972 by a voter initiative, was permanently established by the State Coastal Act of 1976. In general, the act seeks to protect the state's natural and scenic resources along California's coast. It also delineates a "coastal zone" running the length of California's coast, extending seaward to the state's territorial limit of three miles, and extending inland a varying width from 1,000 yards to several miles. The commission's primary responsibility is to implement the act's provisions, including regulation of development in the coastal zone. Additionally the Commission serves as the state's planning and management agency for the coastal zone. The commission's jurisdiction does not include the San Francisco Bay Area, where development is regulated by the San Francisco Bay Conservation and Development Commission.

Governor's Budget. The Governor's Budget includes $17.8 million for the operation of the Coastal Commission. This is a reduction of $300,000, mostly reflected in the completion of a significant data project at the Commission.

Items Proposed for Vote-Only

1. **Coastal and Marine Education Whale Tail License Plate Program.** The Governor's Budget requests $357,000 from the Coastal Beach and Coastal Enhancement Account (funds derived from the sale of Whale Tail license plates) for grants to nonprofits and government agencies consistent with its strategic program.

Recommendation: **APPROVE** Item 1.

Vote:

CPUC02854

Items Proposed for Discussion

1. Adapting to Climate Change—Commission Responsibilities

Background—Land Use Planning in the Coastal Zone. Land use planning in the coastal zone, as in the rest of the state, is the primary responsibility of local governments. However, the Coastal Act imposes a number of requirements on land use in the coastal zone. Most significantly, the act requires local governments to adopt Local Coastal Programs (LCPs) to govern development of land in their jurisdictions that lie within the coastal zone.

In preparing to develop LCPs, many local governments have chosen to divide their coastal zone territory into several segments. This is done when a local government's coastal jurisdiction encompasses several distinct regions with different land use issues. A separate LCP is developed for each coastal segment. There are currently 128 coastal segments within the 76 coastal cities and counties.

An LCP must contain (1) a land use plan and (2) zoning ordinances to implement the land use plan. In general, LCPs must be designed to ensure maximum public access to the coast, provide recreational facilities, protect the marine environment, and otherwise promote the goals and objectives of the Coastal Act.

The Coastal Commission reviews and certifies LCPs for conformity with the act. As originally passed, the act required all local governments in the coastal zone to have submitted LCPs to the commission by January 1, 1980. However, this deadline has been extended several times, and today some jurisdictions still have not submitted LCPs to the commission.

The Commission's status of LCP review includes:

- 92 LCP segments are certified.
- 79 of 92 certified LCP segments (86 percent) were certified more than 20 years ago.
- 24 of 92 certified LCP have been comprehensively updated.

Sea Level Rise Adds Complexity. As has been seen throughout the country with Hurricane Sandy, as well as the recent "king tides" (very high tides) in Southern California, much of the developed California coast is susceptible to the impacts of sea level rise. In recent events, high tides inundated parts of the Pacific Coast Highway, Huntington Beach and other low-lying areas of Southern California. Parts of the San Francisco Bay Area also experienced flooding, including portions of Highway One in Marin County. These very high tides are considered a good indicator of the possible impacts of sea level rise and create challenges for local planners and developers in low lying areas.

Many of the areas without certified LCPs are at sea level, with significant development. These include most of the City of Los Angeles, including the airport, as well as parts of San Pedro and Venice. Also among the non-certified LCPs are the Santa Ana River, San Diego's Mission Bay and the City of Santa Monica.

CPUC02855

Staff Comments. The Coastal Commission has maintained a steady budget over the past several years but has struggled to make progress in updating LCPs. There are many reasons for this including (1) funding has not been available to assist local jurisdictions in updating their coastal plans; (2) some locals are reluctant to take back coastal permitting and prefer to have the state provide this service; and, (3) recent local funding issues have, as with other areas of government, reduced their ability to do forward thinking planning.

Sea level rise has added urgency to the issue of outdated, incomplete and uncertified LCPs. Local planning and preparation are critical if the State is to maintain its coastal development zones and prepare for possible inundations. Creating a local plan is part of every coastal jurisdiction's responsibility to determine how to preserve life and property along the California coast.

Questions for the Commission. The Commission should address the following questions in their opening statement.

- The commission cannot continue to be the coastal permitting agency for 36 jurisdictions along the California coast, particularly in light of sea level rise. How would the commission proposed to close this gap and help the remaining local entities to update their LCPs?
- What concerns does the commission have about sea level rise, particularly in areas where LCPs have not been certified?
- What would it take to make significant progress in updating and approving these LCPs and how do we ensure that those without certified LCPs move to certify?

Recommendation: Informational Item.

Vote:

CPUC02856

8660 California Public Utilities Commission

The California Public Utilities Commission (CPUC) is responsible for the regulation of privately owned "public utilities," such as gas, electric, telephone, and railroad corporations, as well as certain video providers and passenger and household goods carriers. The PUC's primary objective is to ensure adequate facilities and services for the public at equitable and reasonable rates. The PUC also promotes energy conservation through its various regulatory decisions.

Governor's Budget. The Governor's Budget proposes $1.4 billion and 1,053 positions to support the CPUC in the budget year.

Items Proposed for Discussion

1. Update on Safety Oversight

Last year, the California Public Utilities Commission (CPUC) came to the Legislature with its "Global Safety" budget change proposal, claiming the San Bruno explosion was a "game changer" with regard to how the CPUC viewed its safety responsibility. The Legislature approved 22 positions to strengthen safety oversight and enforcement over gas, electric, communications and rail public utilities.

Background. On September 9, 2010, a natural gas transmission pipeline, owned and operated by Pacific Gas and Electric (PG&E), ruptured in a residential area in the city of San Bruno, California. The accident killed eight people, injured many more, and caused significant property damage. The released natural gas ignited sometime after the rupture and the resulting fire destroyed 37 homes and damaged 18 others.

Prior to the San Bruno explosion, the CPUC's safety staffing levels reflected its expectation that utilities inherently recognize public safety as their top priority. Thus, the CPUC focused on fulfilling its own state and federal mandates, primarily through audits, inspections, and after-the-fact investigations, conducted within industry-specific programs, in a reactive mode. The CPUC stated that San Bruno "was a game-changer in terms of how the commission intends to conduct critical safety oversight going forward. Recommendations from gas safety experts, the Independent Review Panel (IRP or Panel) and the National Transportation Safety Board (NTSB), as well as our own lessons learned, apply across all industries under our jurisdiction."

California's energy and transportation systems are antiquated, overloaded, prone to accidents, and need closer scrutiny. The majority of the electrical system was installed in the 1950s and 1960s, which means such facilities are nearing the end of their useful lives. Generators, poles, wires, pipelines, and tracks constructed in lightly populated areas in the 1950s, are now surrounded by homes, parks and schools. For example, PG&E installed the San Bruno gas transmission line in 1956, well before housing development in the area.

CPUC02857

Safety Culture Investigation. Last year, the CPUC admitted that policy objectives took priority over safety, prior to the San Bruno explosion. CPUC's reactive safety strategy, premised on the assumption that utilities recognized public safety as their top priority, was inherently misguided. Both the NTSB recommendations and the IRP report validated the need for a comprehensive relook at natural gas pipeline safety and additional activities and resources at both the State and Federal level to ensure safe operation and support comprehensive safety program reform.

In the Fall of 2012, the CPUC engaged an independent consulting firm, for an undisclosed amount, to facilitate its "Safety Culture Change" project. This project began with an initial discovery phase, which consisted of a document review, interviews and focus groups. The purpose of this phase was to uncover the existing culture, identify culture changes needed, and to develop a draft problem statement that would allow the CPUC to plan its culture change strategy.

A report of this discovery phase was released to the CPUC on January 25, 2013. It identifies significant cultural problems at the CPUC and a fundamental failure of leadership. The report strongly suggests that safety concerns continue to be a secondary priority at the CPUC and this message is transmitted from leadership to staff and the utilities it regulates. Through months of focus groups and interviews with employees, the report identifies a few of the prevailing perceptions of the employees at the CPUC:

- "For the past ten years we have been mostly focused on climate change policies. Everything else takes a back seat. We have not been focused on creating the safety infrastructure."

- There has been a lot of lip service to safety. I have not seen enough action yet to back up the talk."

- "When Commissioners vote, they don't support safety, so there's no incentive for the utilities to be safer. If they knew they were 100 percent liable for safety problems, they'd take it more seriously. If the commission lets them put the burden on ratepayers, rather than shareholders, there is no incentive for the utilities to change."

The core mission of the CPUC is to ensure "safe, reliable utility service and infrastructure at reasonable rates." In the past several years, the CPUC has focused on other non-statutorily directed activities, including the Electric Program Investment Charge (EPIC), the Climate Change Institute, grants of ratepayer funds to Lawrence Livermore Laboratory, and implementing the 33 percent Renewables Portfolio Standard (RPS) several years prior to Legislative direction. Results of the San Bruno explosion investigation revealed that the CPUC was unaware of PG&E's under-spending on gas safety measures. In so directing resources to unauthorized activities, the CPUC has neglected its statutorily and constitutionally-mandated core functions to ensure compliance with safety requirements.

Staff Comments. This issue provides a basis for discussion of several items in the agenda that following. While there may be a response to the issue of prioritizing safety, it seems clear that the CPUC has spent considerable time on some policy objectives while deprioritizing critical functions such as safety, budgeting, and basic ratemaking. In meetings with staff of the CPUC, generally the discussion focuses on requests for more positions at all levels because, for example, when proceedings come up, there are not enough administrative law judges to hear cases, or not enough individuals to budget. These requests make it seem as though the CPUC is short-staffed, and unable to complete its basic core functions. As will be discussed under other items, staff suggests the CPUC is fully staffed and rather would better serve the public and its mission by eliminating unnecessary and extracurricular policy projects and focus its staff from top to bottom on its core mission—safety oversight and ratemaking.

Recommendation: Informational Item.

CPUC02859

2. Public Utilities Commission Performance Audit

Background. On January 10, 2013, the Department of Finance (DOF) Office of State Audits and Evaluations (OSAE) released its performance audit of the CPUC budget process. The audit identified significant weaknesses with CPUC's budget operations that negatively affect the commission's ability to prepare and present reliable and accurate budget information. Specifically, the audit found that:

- The organizational structure of CPUC does not facilitate cohesive budgeting practices.
- The CPUC's budget forecasting methodologies produced results that differed significantly from actual results, with most of these differences unexplainable.
- Cases of fiscal mismanagement in which accounting records for certain funds were misrepresented and incorrect. For example, OSAE identified records that did not include certain fund transactions that ranged from roughly $40,000 to $275 million.
- The CPUC's reconciliations of certain funds—where there were differences between DOF and State Controller's Office records—were inaccurate. (In order to reconcile current year, as well as past variances, the Administration made total budget adjustments in the hundreds of millions of dollars.)
- According to the audit, CPUC must implement and strengthen the fiscal controls over its budgeting practices and procedures in order to produce reliable and accurate budgetary information for the Governor, the Legislature, DOF, and other stakeholders.

Governor's Proposal. The Governor requests $210,000 and 3 positions to provide budget support to the CPUC, including internal budgeting allocations and expenditure monitoring reporting.

LAO Concerns. The LAO reviewed the audit and found that in addition to the questionable internal budgeting functions, external auditing functions were also deficient. Specifically:

> "We find that the above OSAE audit raises several issues that merit legislative oversight, in order to ensure that CPUC's budget process becomes more transparent and accurate. We also note that the audit's findings regarding problems with the commission's internal budgeting and accounting practices raise questions about CPUC's ability to effectively audit the records and accounts of the utilities that it regulates. Under current law, CPUC is required to audit at least once every three years utility "balancing accounts." (Balancing accounts are authorized by the CPUC for specific projects, programs, or other requirements that the utility must implement in accordance with CPUC decisions.) These accounts are established by the utilities and used to track revenues and expenditures for such activities as electricity procurement, energy efficiency programs, and the EPIC program.

CPUC02860

> Balancing accounts help to ensure that ratepayers only pay CPUC-authorized amounts and that the utilities will be able to recover the amounts needed to support their revenue requirements or costs. If a utility receives more revenue than is needed from ratepayers, then ratepayers receive a credit. Alternatively, if the utility has not received enough revenue, then ratepayers will be required to pay more to make up the difference."

Initial Legislative Response. The chairs of the Senate Budget Subcommittee #2, Assembly Budget Subcommittee #3 and the chairs of both the Assembly and Senate energy and utilities committees wrote a letter to the Joint Legislative Audit Committee recommending further audits of the CPUC's external auditing functions. Specifically, the question of balancing accounts and monitoring of the Investor Owned Utility funds was questioned.

Staff also performed a statutory review of the pertinent sections of code. Of relevance, Public Utilities Code (PUC), Section 314.5 states:

> "The commission shall inspect and audit the books and records for regulatory and tax purposes (a) at least once in every three years in the case of every electrical, gas, heat, telegraph, telephone, and water corporation serving over 1,000 customers, and (b) at least once in every five years in the case of every electrical, gas, heat, telegraph, telephone, and water corporation serving 1,000 or fewer customers. An audit conducted in connection with a rate proceeding shall be deemed to fulfill the requirements of this section. Reports of such inspections and audits and other pertinent information shall be furnished to the State Board of Equalization for use in the assessment of public utilities."

Staff Comments. The OSAE follows years of questions brought to the CPUC on: (1) its ability to manage funds; (2) the use of staff for policy purposes while budget monitoring seemed to be missing; and, (3) questions about fund balances on the many off-budget accounts managed by the CPUC.

In meetings with budget staff, CPUC executives attempted to divert responsibility for its external auditing functions to the Division of Ratepayer Advocates (DRA). (DRA will come before this committee under a separate item). However, as the LAO points out, the CPUC must audit utility balancing accounts (external accounts) every three years. The CPUC executives attempted to state that the DRA is required to conduct these audits with positions that have been approved by the Legislature over the years. After a review of statute, it is clear that statute authorizes the DRA to conduct audits in order to objectively review the CPUC's ratemaking cases. It is also clear that should DRA conduct an audit, the CPUC may use this in its evaluation of the utilities. However, nowhere in statute does it say that the DRA is responsible for conducting the every-three-year audits required by Section 314.5.

There remain several questions for the CPUC. Among them is the clear question of why budgeting is given such a low priority at the executive level of the Commission. The CPUC maintains that one person manages budgets for the over 1,000 person department, including managing funds for all of the relevant accounts maintained. This seems both highly unlikely and highly suspect.

CPUC02861

The basic checks and balances seem to be missing, more so than in any other agency brought before this subcommittee. In most cases, the CPUC says that those responsible for budgeting were given "other policy duties" that subsumed their jobs. Culpability seems to remain at the highest levels of the agency, rather than line staff. The development of policy, rather than the execution of the core mission of the CPUC, will be discussed in the next agenda item.

Staff are reluctant to recommend approving additional positions for the CPUC. This issue, combined with others on this agenda, does not paint a picture of a capable state agency, particularly one whose responsibilities go far beyond simple rate-setting but rather to the core of safety in utilities, transit and rail. However, it seems clear that the CPUC does not have any budget staff with the exception of the recent hire of a budget administrator (whose recent promotion leaves no dedicated budget staff at the CPUC). Normally, in circumstances such as these where a need is clear but questions remain about the functions of the department, staff recommends limited-term positions. In this case, that recommendation might result in the hiring of lesser-caliber individuals who may not be able to manage the significant problems presented by the CPUC budget. Staff will reserve its recommendations for executive staff until a later agenda item.

It is apparent that the CPUC personnel, who were supposed to be maintaining budgets for the agency, were likely added more than 10 years ago and converted to other purposes over the years. Therefore, it seems clear that a reduction in staffing corresponding to the increase in budget staff is necessary. Staff recommends three positions in CPUC be made limited-term for one year and that these positions be made eligible for conversion to permanent only after a full review the CPUC's budgeting functions in the forthcoming year. These positions should be at the program administration level.

Questions for the Agency. The CPUC should address these questions in their opening statement:

- The CPUC has consistently maintained that it has never received budget staff; however, in the current Salaries and Wages there are a number of positions that could be budget-related. Many of these were approved many years ago as the divisions were established. What impact has the conversion of budget-related positions to policy had on the CPUC and could these audit findings have been prevented with some simple budgeting and accounting directed by executive staff?

- Describe the corrective actions that the CPUC will take to correct this problem in the forthcoming years. Does the commission believe that a lack of internal controls and fiscal management compounded other problems that the Commission is currently facing?

Recommendation:

(1) APPROVE budget proposal as budgeted.

(2) CONVERT three program administration level positions to one-year limited-term until such time as the CPUC can demonstrate the disposition of its original budget positions.

Vote:

3. Trusts and Entities Created by the PUC

Background. The CPUC is entrusted with rate-making at investor-owned utilities. Within this capacity, the CPUC reviews current policy and attempts to set rates in a manner that is forward thinking and in compliance with the terms of state law. In recent years, the Commission has extended its reach a number of times beyond its rate-making capabilities, spending considerable time and effort to create entities that use ratepayer funds but are outside the state budget process. It is common for Commissioners or their designees to serve on these nonprofits as board members, officers, or advisors. In many of these cases, the Legislature has stepped in to stop these practices. This issue was highlighted in the adoption of a report annually to the legislature (PUC Section 326.5) in 2008, wherein the Legislature required the Commission to report on expenditures from specific non-budget entities established by the CPUC.

Lawrence Livermore National Laboratory ($150 Million Project). in July 2011, the CPUC sought authority to increase customer rates to recover more than $150 million for research conducted by Lawrence Livermore National Laboratory (LLNL) for a five-year cooperative research and development agreement entitled "California Energy Systems for the 21st Century Project," (CES-21 Project). The CPUC issued a decision in late 2012 authorizing the utilities to enter into the agreement, and to provide the CPUC with a list of proposed projects annually. The utilities would be exempt from anti-trust laws. There was no competitive solicitation for this project or consideration of other currently pending proposals at both the Legislature and the CPUC, such as the Public Goods Charge and the Electric Program Investment Charge.

Commissioners Directing Programs Outside Ratemaking Process. It is clear from the public record of the CPUC proceedings that this proposal was not only directed by the CPUC, but that for more than a year prior to the application's submission, the president of the CPUC worked with the utilities and LLNL to develop the proposal. The president, as revealed in now-public email records, oversaw the shaping of the proposal and calling it the "overall grand project with all three energy utilities." The entirety of this project would be undertaken outside the State's budget process, with utilities required to send their contributions directly to LLNL, with no state review.

Upon developing the proposal, the president of the CPUC assigned the approval of this project to himself. He then approved the proposal in its entirety.

Circumvention of Legislative and Budget Process. The CPUC has crossed the line between budget and policy, both of which are the purview of the Legislature. The CPUC in its quasi-legislative capacity, has attempted to usurp the Legislative branch's prerogative to determine what future projects and policies make sense. The major five-year proposal described above should be vetted in the Legislature, either in a policy bill or in the budget process. The manner in which this project was approved would circumvent both of these processes and effectively challenge the notion of checks and balances.

CPUC02863

Staff Comments. As will be discussed in a later agenda item, this is not the first or the only proposal the Commission has approved recently that circumvents Legislative authority. At the same time, the CPUC annually requests multiple positions to continue its work. It would seem that the establishment of these programs and policies that circumvent legislative authority, including all research, proceedings and Administrative Law Judge time should be considered an extracurricular activity of the CPUC and as such, subject to budget reduction. Not only should the use of CPUC staff and time be subject to legislative review, they also should be subject to Legislative approval through the policy process.

Questions for the Agency. The CPUC should address these questions in their opening statement:

- What other projects is the CPUC currently considering that would either direct utilities to establish programs outside of Legislative purview or would establish a nonprofit without the approval of the Department of Finance ?

- What was the role of the other commissioners in establishing this proposal?

Recommendations:

(1) APPROVE a request to the Fair Political Practices Commission to review the CPUC practice of directing, adjudicating and approving the establishment of nonprofits for possible conflict of interest or bequest violations.

(2) APPROVE trailer bill language halting the establishment of California Energy Systems for the 21st Century Project (Lawrence Livermore) and to refund all ratepayer funds that have been directed to this project.

3) APPROVE trailer bill language that prohibits the CPUC from creating non-state entities through decisions, settlements, rules, orders, or mergers.

5) APPROVE trailer bill language that prohibits the CPUC from awarding contracts to non-profits in which a sitting commissioner serves as an employee, officer, or director.

6) APPROVE trailer bill language that prohibits CPUC commissioners from serving on commission-established non-state entities.

Vote:

4. Energy Program Investment Charge (EPIC)

Background. In December 2011, funding for the state's Public Goods Charge (PGC) on electricity ratepayers expired. The PGC funded energy efficiency research and development and renewable energy programs. Efforts to continue the surcharge, which requires a 2/3 vote of the Legislature failed. The charge, considered a tax for voting purposes, supported about a quarter of the total energy efficiency programs funded by the state and energy utilities.

In September 2011, the Governor sent a letter to the CPUC requesting that they take action under its quasi-legislative authority to ensure that programs, like those funded under the PGC, would be continued, but with the modifications legislators discussed during the PGC renewal deliberations. In December 2011, the CPUC initiated a rulemaking (essentially started a pathway to a new policy) to continue the programs similar to PGC, with a sole focus on the investor-owned utilities (IOUs). The commission planned a two-phased deliberation. The first phase addressed the appropriate funding levels for renewables and research and development. The second phase, currently under way, creates a detailed program.

2012 Budget Action. In the 2012 Budget, the Legislature approved $1 million from the EPIC and 4.5 positions specifically to complete an investment plan for the future appropriations from this charge, established for the CPUC (and also described above) in the 2012 budget. Considerable thought was given to this appropriation given as was established administratively. Specifically the budget trailer bill requires the CPUC to administer the fund, and funds are required to be collected by the CPUC and forwarded to the CEC for administration. The budget trailer bill language specifically did not authorize the levy of this charge at the CPUC or increase the amount collected for an existing charge.

Governor's Overall 2013-14 EPIC Proposal. The Governor requests baseline authority for 55.5 position, $575,000 in technical assistance funds and $159.3 million in project funds for the implementation and execution of the EPIC program (the majority of which will be discussed under a separate agenda item within the California Energy Commission). The proposal includes an additional $25 million in EPIC Funds the CPUC may approve for the New Solar Homes Partnership program. Proposed expenditures would roughly be broken out with $76 million for applied research, $62 million for demonstration and deployment, and $20 million for market facilitation. All funding for the programs would be derived from utility ratepayers. The program would increase to $185 million in 2014-15.

The proposal continues to assume that the EPIC Program will be developed fully by the CPUC, who would then direct the CEC programs related to EPIC. The Legislature would essentially be approving programs already developed by the CPUC. In addition, the CPUC could develop programs and activities by the investor-owned utilities that would not be subject to legislative budgetary review.

Circumvention of the Legislature. As will be discussed under the California Energy Commission items, the state currently spends over $1 billion per year on energy efficiency programs, most of this derived directly from utility ratepayers. In developing the EPIC Program at the CPUC, the Administration purposefully bypassed the Legislature after the failed reauthorization of the Energy Public Goods Charge. The Legislature should consider whether or not the CPUC is the appropriate

CPUC02865

place to allow new policies to be developed, including those that increase costs to energy customers in the state. Is it appropriate for one state agency to develop programs for another state agency without statutory approval by the Legislature? If so, what would stop the CPUC from developing any number of off-budget activities without statutory approval?

The EPIC program continues funding for activities that were authorized by two-thirds vote of the state Legislature. These original funds were approved as a tax for basic activities such as research and development. This new program did not have such authorization. The CPUC should describe the nexus between the program activities and fee payers, based on fee versus tax-related case law. The Administration also has not submitted a plan for proposed expenditures under the EPIC program as required by the 2012 budget. Therefore, there is little review for the budget change proposal.

Governor's Proposal (CPUC). The budget requests $88,000 and one position to oversee the EPIC program development at the CPUC.

Staff Comments. As with the previous item, this proposal undoes the balance of authority between the three branches of government by bypassing the Legislature. As such the policy has not been vetted in a legislative hearing, rather through the ratemaking processes of the CPUC. The position requested seems quite unnecessary since it is clear the CPUC redirected multiple internal staff to develop the program, review comments from stakeholders, develop the regulatory policy and framework, and to adjudicate the ratemaking case.

Questions for the Agency. The department should address these questions in their opening statement:

- What is the status of any lawsuits on this item and what is the nature of the complaints?

- Statute requires the utilities to direct funds to the CPUC for transfer to the CEC. In meetings with legislative staff, this did not seem to be the case. Describe the discrepancy.

Recommendation:

(1) DENY the proposal.
(2) REQUIRE the CPUC to account for all personnel hours used to develop and adjudicate this program, including at the commissioner level.

Vote:

CPUC02866

5. Expanding Policy Programs at CPUC—Demand-Side Program Facilitation and Expansion

Governor's Proposal. The Governor requests one position and $88,000 from the PUC Utilities Reimbursement Account to enable the growth and integration of demand response into wholesale markets.

Staff Comments. Based on the overabundance of staff and time to develop policies outside of the legislative process, staff recommends the commission absorb the costs of this proposal.

Recommendation: **DENY** proposal.

Vote:

6. Administrative Law Judge Support for Recent Legislation

Governor's Proposal. The Governor requests two administrate law judge (ALJ) positions and $231,000 from the PUC Utilities Reimbursement Account to implement the requirements of recently passed legislation.

Staff Comments. Based on the overabundance of staff and time to develop policies outside of the legislative process, staff recommends the commission absorb the costs of this proposal and redirect current ALJ positions to appropriately focus on statutory requirements.

Recommendation: **DENY** proposal.

Vote:

CPUC02867

7. High-Speed Rail Oversight

Governor's Proposal. The Governor requests 3.0 positions and $330,000 from the Public Transportation Account, State Transportation Fund, to oversee the design and construction of California's new High-Speed Rail system. The CPUC is required to oversee rail safety systems in California including the High-Speed Rail system. The CPUC requests staff to review design, construction and operation of equipment, and associated electrical facilities.

LAO Recommendation. Reject proposed funding for CPUC.

> "Our analysis finds that the requested funding for CPUC to develop high–speed rail regulations is premature given the reality that California's high–speed train service will not be in operation before 2021 at the earliest."

Staff Comments. Staff concurs with the LAO.

Recommendation: **REJECT** proposal.

Vote:

CPUC02868

8660 Division of Ratepayer Advocates (California Public Utilities Commission)

The Division of Ratepayer Advocates (DRA) is an independent division of the California Public Utilities Commission (CPUC) that advocates solely on behalf of residential and small commercial utility ratepayers. As the only state agency charged with this responsibility, DRA plays a critical role in ensuring that the customers of California's investor-owned utilities are represented at the CPUC and in other forums that affect how much consumers will pay for utility services and the quality of those services. DRA's staff of experts performs detailed analyses in the areas of communications, energy, and water to determine the impact that they will have on ratepayers' bills, as well as the impacts on safety and service quality. Additionally, DRA evaluates the environmental impact of regulatory issues and seeks to ensure that any utility actions will comport with CPUC rules and California laws.

Governor's Budget. The Governor's Budget includes $24.4 million for the operation of the DRA. DRA's staff consists of 137 technical, policy, and financial analysts with professional backgrounds as engineers, auditors, and economists with expertise in regulatory issues related to electricity, natural gas, telecommunications, and water industries in California.

Introduction. The DRA usually comes before this subcommittee under the auspices of the CPUC. However, in recent years considerable tension has emerged in hearings and prehearings between staff of the DRA and the CPUC. Therefore, this subcommittee will hear the DRA as a separate and stand-alone entity to review its budget proposals.

Background. Since its establishment in 1984 by the CPUC and subsequent codification (Chapter 856, Statutes of 1996) as an independent entity within the PUC, the DRA has provided a voice for lower rates at CPUC proceedings and other forums. Various legislative efforts over the years have sought to give the DRA more independence from the CPUC while keeping it as a division of the Commission and therefore allowing it access to information provided during hearings and proceedings. At this time, the DRA is maintained as a division within the CPUC, requesting and reporting its budget through the CPUC executive management. The DRA is also referred to in statute as the Office of Ratepayer Advocates.

Concerns About DRA Budget Processes. As has been discussed in previous agenda items, the CPUC has had considerable problems in its development of the annual budget, creating difficulties for legislative oversight. In order to develop its budget, the DRA submits its budget request to the executive staff of the CPUC which then may adjust this request before final submission to the Department of Finance and Legislature. This process is appropriate for divisions reporting directly to the Executive Director; however, the DRA Director is appointed by the Governor and confirmed by the Senate. Within other state agencies, separate entities are generally either budgeted entirely outside the governing agency or are allotted a clear "line item" annually, that separates the chain of command.

CPUC02869

Governor's Proposals. The Governor's budget includes three separate requests for DRA.

1. **DRA Energy Financial Examiners.** Request for two positions and $151,000 from the PUC Ratepayer Advocate Account to perform audits of energy companie's financial records, in conjunction with General Rate Cases, natural gas proceedings, the Energy Resource Recovery Account, and other proceedings initiated by the CPUC or the investor-owned utilities.

2. **DRA Water Auditors.** Request for two positions and $151,000 from the PUC Ratepayer Advocate Account to meet the increased workload associated with inspection of water utilities' accounting records. The two positions will be assigned to DRA's Water Branch which has experienced significant increases in both the frequency and complexity of utility rate requests within the past four years.

3. **DRA Gas Safety.** Increase of one position and $89,000 from the PUC Ratepayer Advocate Account, to accommodate expanding workload related to natural gas safety. This will allow DRA to keep pace in this increasing workload area.

Staff Comments. Staff are concerned about oversight of DRA in the budget process and have concerns about the current structure and management of DRA. There is also some confusion about the name of the Division.

Recommendation:

1. **APPROVE** Items 1-3.
2. **APPROVE** trailer bill language that changes the name of the "Division of Ratepayer Advocates" to the "Office of Ratepayer Advocates."
3. **APPROVE** trailer bill language that requires DRA to submit its budget to the Department of Finance directly.
4. **APPROVE** trailer bill language that allows DRA to employ its own personnel, including attorneys, instead of having them supplied by the CPUC.

Vote:

CPUC02870

3360 Energy Resources Conservation Development Commission (California Energy Commission)

The Energy Resources Conservation and Development Commission (commonly referred to as the California Energy Commission or CEC) is responsible for forecasting energy supply and demand; developing and implementing energy conservation measures; conducting energy-related research and development programs; and siting major power plants.

Governor's Budget. The Governor's Budget includes $486 million (no General Fund) for support of the CEC, a decrease of approximately $21 million, due primarily to the phasing down of the Public Interest Energy Research (PIER) Program and the Renewable Resources Trust Fund (RRTF) as a result of the failure to reauthorize the Public Goods Charge.

Items Proposed for Vote-Only

1. **Finance Letter—Appliance Efficiency Database Modernization.** The budget requests $2.4 million to replace the current system with an automated system to allow manufacturers to electronically complete and submit necessary applications and appliance data. This proposal is supported by a completed Feasibility Study Report.

2. **Conversion of Two Limited-Term Positions to Permanent.** The budget requests authority to convert two limited-term positions to permanent to continue implementation of the ongoing and permanent solar electric mandates in Chapter 132, Statutes of 2006 (SB 1, Murray). These positions were originally made limited-term in 2007 and extended twice, based on ongoing workload associated with the legislation.

Recommendation: **APPROVE** Items 1-2.

Vote:

CPUC02871

Items Proposed for Discussion

1. Public Goods Charge Ramp Down

Governor's Proposal. The Governor's budget identifies the reduction of nine positions ($980,000) and the elimination of new project funding in response to the January 1, 2012 sunset of the authority to collect the Public Goods Charge (PGC) on January 1, 2012. As a result, no additional funds were collected after January 1, 2012, and the duties and positions necessary to administer the Renewable Energy and Public Interest Energy Research Programs are required to ramp down.

Proposed Ramp-Down. Beginning in 1996, a series of legislative efforts have authorized ratepayer funding to increase the proportion of research and development, renewable energy, and energy efficiency servicing California utility customers. Following the failed renewal of the PGC, the CEC must reduce activities in the following areas:

- Renewables Facilities Programs
- Emerging Renewables Program
- Consumer Education Program
- New Solar Homes Partnership
- Public Interest Energy Research Program

Because funding for many of these programs creates an ongoing workload, the PGC ramp-down is anticipated to take several years.

Questions for the Commission. The department should address these questions in their opening statement:

- How long will the PGC ramp-down take?

- What are the direct impacts of the reduction of these funds on current programs and is there any effort to renew the PGC through statute?

Recommendation: **APPROVE** proposal.

Vote:

CPUC02872

2. Implementation of the Electric Program Investment Charge (EPIC) and Energy Efficiency Programs Statewide

BACKGROUND:

During the 2012 session, the Legislature considered multiple policy and budget proposals to increase energy efficiency and its funding. These included an Administration proposal to reinstate the Public Goods Charge through a California Public Utilities Commission (CPUC) rulemaking process (discussed below under the Electricity Procurement Investment Charge header), various greenhouse gas emission reduction programs that target energy programs, and renewable energy bills.

Given what seemed to be an abundance of existing energy-efficiency programs, the 2012 budget required the LAO to review energy efficiency programs throughout state government and to provide both (1) a list of all programs and funding related to energy efficiency and alternative energy, and (2) provide a preliminary assessment of these programs in terms of priority, overlap, and redundancy. The LAO report is partially summarized in this analysis on current energy efficiency budget issues.

Summary of State Energy Efficiency and Alternative Energy Programs

Program Category	2012-13	Cumulative Funding to Date
Energy Efficiency (Investor Owned Utility, federal funding and state financing programs)	$1 billion	$9.5 billion
Renewable Energy (Public Interest Renewable Energy Program, Go Solar California Program, Self-Generation Incentive Program, And Clean Energy Upgrade Financing Program	$317 million	$4.2 billion
Advanced Transportation and Low-Carbon Fuels	$250 million	$683 million
Energy Research	$44 million	$556 million
Totals	**$1.6 billion**	**$15 billion**

a) Source: Legislative Analyst's Office, 2012

In no less than 10 separate programs, and spanning five state departments, over $1.6 billion was spent directly on energy efficiency and alternative energy programs. Cumulatively, to date, nearly $15 million has been spent by the state. The vast majority of funding for these programs comes from utility ratepayers. Most of these programs are located in three state departments: the CPUC, the California Energy Resource Conservation and Development Commission (CEC), and the California Alternative Energy and Advanced Transportation Authority.

CPUC02873

NEW PROGRAMS AND THE BIGGER PICTURE:

Cap and Trade Funding. In the near future, new funding will be available to support programs as a result of the state's cap-and-trade auctions, a tool to reduce greenhouse gas emissions (GHG). As part of the Global Warming Solutions Act of 2006, commonly referred to as AB 32, the goal of reducing greenhouse gas emissions to 1990 levels by 2020 was established in statute. AB 32 revenues generated from the auctions constitute a mitigation fee, and a nexus must exist between an activity for which the fee is paid and the adverse effects related to the activity on which that fee is levied. Therefore, in order for their use to be valid as mitigation fees, revenues from cap-and-trade auctions must be used only to mitigate GHG emissions or the harms caused by these emissions. A number of the existing energy efficiency and alternative energy programs currently also have a focus on GHG emission reductions. It is conceivable that the new auction revenues could either supplant or be used in addition to funding for these existing programs. The Governor has not released his expenditure plan for auction credits and therefore it is unknown what the budget proposals may entail.

Proposition 39, passed in November 2012, eliminates the ability of multi-state businesses to choose the way in which their taxable income is determined. As a result, some corporations will pay higher taxes, resulting in projected revenues of $1 billion per year. Under the measure, half the annual revenues—up to $550 million—will be deposited into a new Clean Energy Job Creation Fund to support projects intended to improve energy efficiency and expand the use of alternative energy for a five-year period (2013-14 through 2017-18). The Legislature will determine spending from the fund and is required to use the monies for cost-effective projects run by agencies with expertise in managing energy projects. These projects must also be coordinated with the CEC, CPUC, and with a newly-established nine-member oversight board to annually review spending from the program. Proposition 39 requires funds to be used to support:

- Energy efficiency retrofits and alternative energy projects in public schools, colleges, universities, and other public facilities;
- Finance and technical assistance for energy retrofits; and,
- Job training and workforce development related to energy efficiency and alternative energy.

Why State Program Funding is Not the Whole Picture. One cannot review energy efficiency in the state solely on the basis of state-funded programs. In addition to programs where funding is managed through state agencies, other actions and agencies impact our state's overall energy efficiency and may have had even more profound effects. For example, both the state and federal government have building standards that reduce energy usage in all new construction. Appliances have minimum energy standards and a federal "energy star" program that allows consumers to compare and choose energy efficient products. Commercial buildings, outdoor lighting and many other areas of energy are regulated by both state and local agencies. In many cases, locals may go further than the state. Local water and energy utilities (those local entities that provide water and energy directly to customers), also have programs designed to reduce energy usage—including many programs independently not managed by the state.

CPUC02874

GOVERNOR'S PROPOSAL:

Proposition 39. The Governor's budget includes all of the revenue derived from proposition 39 in the calculation of the education Proposition 98 minimum guarantee. The budget proposes to use that funding for energy efficiency projects at schools and community colleges. This was discussed at length in the Senate Budget Joint Hearing of Subcommittees #1 and #2 on April 4, 2013.

Electricity Procurement Investment Charge (EPIC). The Governor's proposal for EPIC is discussed on page 15 of the agenda.

ISSUES TO CONSIDER:

LAO Analysis and Recommendations. The LAO reviewed the various energy efficiency and alternative energy programs for overlap and coordination issues. They recommend a comprehensive strategy be developed that: (1) avoids program duplication, particularly where departments have overlapping jurisdiction; (2) align programs with legislative priorities, including those the CPUC administers for investor-owned utilities; (3) measures program effectiveness across the state agencies.

The LAO has made a strong case for development of unified energy efficiency and alternative energy policies. The lack of coordination makes it difficult to determine where scarce resources should be directed, and how much a given ratepayer should pay. This also sets up an unbalanced ratepayer system wherein those in investor-owned utilities ratepayer areas pay into a statewide program while those in other areas, such as those in publicly-owned utilities ratepayer areas, do not. The Legislature should consider policy before budget, and should determine which activities should be funded by clarifying statute before budget actions take place.

EPIC Program—Legislative Involvement Needed? The state currently spends over $1 billion per year on energy efficiency programs, most of this derived directly from utility ratepayers. In developing the EPIC Program at the CPUC, the Administration purposefully bypassed the Legislature after the failed reauthorization of the Energy Public Goods Charge. As discussed under the CPUC, the Legislature should consider whether or not the CPUC is the appropriate place to allow new policies to be developed, including those that increase costs to energy customers in the state. Is it appropriate for one state agency to develop programs for another state agency without statutory approval by the Legislature? If so, what would stop the CPUC from developing any number of off-budget activities without statutory approval?

The EPIC program continues funding for activities that were previously authorized by two-thirds vote of the state Legislature. However, this new program did not have such an authorization. The CPUC and CEC should describe the nexus between the program activities and fee payers based on fee versus tax-related case law. The Administration also has not submitted a plan for proposed expenditures under the EPIC program as required by the 2012 budget. Therefore, there is little review for the budget change proposal.

CPUC02875

Staff Comments. The CEC has spent considerable time and effort to develop the EPIC Investment Plan. This plan largely mirrors previous efforts to renew the Public Goods Charge. Given lingering questions about the nature of the charge and its status as a fee or a tax, it would be premature to authorize any spending for this program without clear statutory authorization. However with statutory authorization, the plan for expenditure of funds including the ramp-down of previous PGC programs and possible shifts to new and emerging research and development programs may be a worthwhile policy discussion.

Questions for the Agency. The Commission should address these questions in their opening statement:

- This program clearly needs to be authorized by the Legislature in statute that includes program parameters, focus and goals. The CPUC does not set renewable or energy efficiency policy for this state. Can the Administration produce draft legislation authorizing this program for review by budget and policy committees?

- What is the impact of holding off funding for this program until statute authorizes the expenditure of funds.

Recommendation:

(1) APPROVE positions and funding provisionally such that no positions may be added, nor funds expended, until a statute expressly authorizes the EPIC program including program provisions.

Vote:

CPUC02876

From: Clanon, Paul <paul.clanon@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 4:37 PM
To: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Subject: FW: Hearing Testimony tomorrow

From: Sadler, Lynn
Sent: Wednesday, April 24, 2013 3:06 PM
To: Clanon, Paul; Cooke, Michelle; Lindh, Frank
Subject: Fwd: Hearing Testimony tomorrow

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Freeman, Catherine" <Catherine.Freeman@sen.ca.gov>
Date: 04/24/2013 12:35 PM (GMT-08:00)
To: "Sadler, Lynn" <lynn.sadler@cpuc.ca.gov>,Jesse McGuinn <Jesse.McGuinn@dof.ca.gov>
Cc: Rocel.Bettencourt@sen.ca.gov
Subject: Hearing Testimony tomorrow

As you will see, the CPUC is second on the agenda for tomorrow. We would like for Mr. Clanon to testify on all of the CPUC items with the exception of DRA. We will ask DRA to come up separately. Thank you. -Catherine

Catherine Freeman
Senate Budget and Fiscal Review
(916) 651-4103

From: Randolph, Edward F. <edward.randolph@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 5:55 PM
To: Walker, Cynthia <cynthia.walker@cpuc.ca.gov>
Subject: FW: Sub2 Agenda April 25

Edward Randolph | Director, Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4004
San Francisco, CA, 94102
415-703-2083 | edward.randolph@cpuc.ca.gov

From: Freeman, Catherine [mailto:Catherine.Freeman@sen.ca.gov]
Sent: Wednesday, April 24, 2013 12:34 PM
Subject: Sub2 Agenda April 25

The Agenda for Senate Budget Subcommittee #2 (April 25) is now available online.

http://sbud.senate.ca.gov/sites/sbud.senate.ca.gov/files/SUB2/04252013Sub2CEC_CPUC_CCC.pdf

Catherine Freeman
Senate Budget and Fiscal Review
(916) 651-4103

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, August 02, 2012 6:08 PM
To: julie.halligan@cpuc.ca.gov
Subject: CPUC Safety Symposium
Attachments: 20120802150828.pdf

Julie, here is my copy of the draft concept document that I believe General Hagen has previewed earlier with Jim Hall and associates. Sorry for my notes on the first page. I believe this type of symposium will be a first in the country, sponsored by the Commission.

As we discussed, I'll try to find some possible venues for the meeting, which is now calendared for January 8 after noon to January 9 at noon, including a dinner with keynote speaker Chairman Hersman from the NTSB. [Chairman Hersman is holding the time on her calendar.]

Please let me know how I can help/participate, as PG&E's rep. I believe that the work to flesh out the content of the symposium and invite speakers, will need to happen in time to get their attendance confirmed by about late-October.

Thx,
Jane

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* January 7-8-9 2013
① Steering Committee
. Gnl Hagen
- PG+E
- SEMPA
- SCE ...
② Logistics –

Safety Symposium

A Proposal For A Series Of Symposiums Beginning In 2012 That Will Address Issues and Seek Solutions To Concerns Relating to Public Safety In The Public Utility Sector Of The State Of California.

③ Formal Invite to Chrman Hersman

Sponsors; California's Public Utility Companies and the California Public Utility Commission (CPUC).

④ Clear Tony's calendar

Mission; Define, Create and Sustain a Safety Culture in the State of California

Objectives;
. Define the End Game for Public Safety in California
. Quantify Where We Are Now
. Agree on what Safety Culture is Required to Move Us from Our Current State to Our Desired State

Scope of the Symposiums; These will be working meetings that are designed; 1. To allow people in industry and government who are necessarily interdependent on one another to meet, talk, share and make recommendations that are consistent with the Symposiums' objectives, 2. Provide for workshops, panels and presentations that will be designed to share best practices in areas affecting public safety, 3. To understand the expectations for safety and the consequences of failure, 4. To allow industry to understand what the regulators need and why they need it, 5. To affirm that safety, with respect to human life and property is non-negotiable, and, 6. To understand that all parties to these symposiums, including the people of California share the same goal of dramatically improving the safety of our public utility systems.

Disclaimer; The Symposiums are not to be construed as opportunities to advance self-interest, debate rate cases, position for litigation nor provide a forum for mandates.

Attendees; Sponsoring Companies and the CPUC will send individuals who bring subject expertise to the topics of the Symposium and who are of an appropriate level in their respective organizations to influence and advance the solutions advanced.

These Symposiums will be ongoing annual or semi annual events per year beginning with the first Symposium which is targeted to be held during the first 10 days of Dec. 2012. Symposium topics should be timely and forward thinking. Possible topics could include;

1. Building A Safety Culture in California's Public Utility Industry (Target 1st Symposium Topic).
2. Risk Identification, Risk Mitigation and Risk Management
3. Right of Way Management and the State of California's One Call System
4. Public Safety Benchmarks and Performance Metrics
5. Industry Self Reporting and Citation Authority
6. Emergency Response, Disaster Communication and Cooperative Disaster Mitigation

Symposium Management and Coordination; It is anticipated that a select committee comprised of Sponsor Company representatives and the CPUC will be put forth and empowered to develop and execute a series of Symposiums consistent with the Objectives. The Team will select its own leader.

Financing for each Symposium will be shared by the sponsors. All in costs for each event are anticipated to be less than $100,000.00.

It is anticipated that from time to time subject matter experts and public officials not employed by or under the direction of sponsors will be invited to participate in any given Symposium where their participation can reasonably be expected to further the objectives of the specific Symposium's agenda.

Outside attendees; In the interests of full disclosure and transparency all event working sessions will be open to media and will provide limited space opportunities for members of the public.

Example Symposium Agenda

Date; Dec. 1-10, 2012

Location; San Francisco Bay Area

Title; Safe California-Creating a Culture of Change to Benefit the People of California. (Example working title only)1.

Day 1

6-7:00 Reception for Sponsor Attendees (not open to media or the public). The objective here is to provide an opportunity for people to meet each other, to establish lines of communications and build relationships.
7-9:00 Dinner and Speaker

Keynote Speaker; Debra Hersman, Chairman of the NTSB. Hopefully she would speak about some of the nation's most serious pipeline accidents as investigated by the NTSB defining the costs in human terms and property damage; As part of this presentation, she would share the most significant findings and lessons learned from these disasters and the actions that the NTSB believes can be taken to significantly increase pipeline safety nationwide. Hopefully she can support the premise that cooperation between industry and regulators is essential to a successful outcome.

Day 2

8:30AM Kick Off-President Peavy of the CPUC-To Set the tone for the Symposium. To create the expectation for listening and learning from one another. We are all in the same boat now.
8:45AM PG&E Chairman, CEO and President Tony Earley would discuss the "unique" collaborative opportunity to transform the relationship between regulators and industry to one that becomes a partnership for public safety.

9:15 Panel Discussion-Creating a New Culture of Safety-The Past. Panelists would discuss topics including: What is today's safety culture? Do we have the right model in place to foster a partnership between industry and regulators that assures Californians that they have the safest natural gas/electrical distribution systems in the US? How do you foster understanding and create an environment between regulated industry and the regulators that produces a positive outcome? What are the barriers to success and how do we overcome them? The session will be followed by Q&A with a moderator.

10:30 Working sessions will be held in separate rooms to allow interested attendees to focus on one of the panel presentations. This open session is intended to allow participants a free forum for their thoughts and recommendations. A session moderator will prepare a group report out.

11:30 Working session report out. This is not a debate period but rather a listening opportunity.

12:00 Lunch

12:45 Presentation by a senior California Elected Official (potentially Senator Alex Padilla, Chairman of the California State Senate Utilities Committee) who would speak about what the people of California expect from the companies who serve them and the regulators who represent them with respect to safety. Safety vs Cost-how do we achieve the correct balance between the two. This presentation would provide a key political player a bi-partisan forum to further California's leadership, via a public-private partnership, in the area of public utility safety.

12:30 Panel Discussion-Creating a New Culture of Safety-The Future. Panelists would discuss such topics as; What kind of safety culture do we want? How will we know when we have arrived? Can we afford what we think we want? Who is accountable?

1:45 Working sessions (above)

3:00 Working session report out (above).

4:00 Conclusion-What do we do with this now?

(1)

Other Symposium Titles for Consideration

1. Safe: Securing a Future in Energy
2. Pause California: Partnership for Utility Safety Excellence
3. Public-Private Partnership for a Safe California
4. Powering California's Safety
5. Keeping California Safe: A Conference on Utility Improvement
6. Working Together to Build a Safer California
7. California's Energy Future Symposium
8. Partnership for a Safer Energy Future
9. Building a Blueprint for a Safe California

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, August 09, 2012 9:06 AM
To: julie.halligan@cpuc.ca.gov
Subject: RE: CPUC Safety Symposium

Julie, I asked a communications person to draft a letter for you to invite Chairman Hersman (I don't have experience at this...) --- so hope to get that to you in the next week. Probably with this draft, you can modify in the future to invite others...

Jane

-----Original Message-----
From: Yura, Jane
Sent: Thursday, August 02, 2012 6:08 PM
To: julie.halligan@cpuc.ca.gov
Subject: CPUC Safety Symposium

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As we discussed, I'll try to find some possible venues for the meeting, which is now calendared for January 8 after noon to January 9 at noon, including a dinner with keynote speaker Chairman Hersman from the NTSB. [Chairman Hersman is holding the time on her calendar.]

Please let me know how I can help/participate, as PG&E's rep. I believe that the work to flesh out the content of the symposium and invite speakers, will need to happen in time to get their attendance confirmed by about late-October.

Thx,
Jane

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Thursday, August 09, 2012 11:08 AM
To: Yura, Jane
Subject: RE: CPUC Safety Symposium

Thanks Jane. That would be helpful, I had just started to put one together, but I am certainly not an expert at that either.

Julie

From: Yura, Jane [JKY1@pge.com]
Sent: Thursday, August 09, 2012 9:05 AM
To: Halligan, Julie
Subject: RE: CPUC Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, August 14, 2012 7:34 AM
To: julie.halligan@cpuc.ca.gov
Subject: Safety symposium

Julie. I need to talk to you about the options for venues---apparently, the space is very limited that week in January due to a very large conference in town. I am out of the office all morning,

Jane

Jane Yura
PG&E Gas Ops
415-973-1398

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Tuesday, August 14, 2012 10:06 AM
To: 'Yura, Jane'
Subject: RE: Safety symposium

Hi Jane,

I can call you in the afternoon if that works for you.

-----Original Message-----
From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Tuesday, August 14, 2012 7:34 AM
To: Halligan, Julie
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, August 14, 2012 10:36 AM
To: Halligan, Julie
Subject: Re: Safety symposium

Hi If 3-4 works for you, I'll be in

Jane

Jane Yura
PG&E Gas Ops
415-973-1398

On Aug 14, 2012, at 10:05 AM, "Halligan, Julie" <julie.halligan@cpuc.ca.gov> wrote:

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Tuesday, August 14, 2012 7:51 PM
To: Yura, Jane
Subject: RE: Safety symposium

Sorry Jane, I got caught up in a meeting. How does tomorrow morning before 10 look for you?

Julie

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, August 14, 2012 8:01 PM
To: Halligan, Julie
Subject: RE: Safety symposium

Hi -- no problem. I'm in the field tomorrow, but here's a quick "what I know right now" and I will try to catch you during the day/Thursday.

The week of 1/8-9 there is a large convention in the city, all hotel spaces with conference rooms have been taken, by a global JP Morgan event. The one location that we were able to get out of 10 that we tried is the Stanford Court Renaissance on Nob Hill. We don't personally have experience of an event at this location (though a million years ago I had dinner there!) -- so I can send some folks to check it out if we're interested.

The alternatives are: 1) keep with the current dates of 1/8-9 and commit to the Stanford Court (once we look at it), 2) keep the dates, but go outside of San Francisco, 3) change the date -- and get confirmation with Chairman Hersman, etc...

Perhaps you want to talk to Paul Clannon and then we can go from there. If we go to option 3, I'll have to ask Jim Hall to call the Chairman, etc... but we would first begin to line up venue/dates that would be available to try to make it efficient.

I'll try to think about any other alternatives, and then let's discuss. Also, we'll need a plan of how to engage the other utilities, Thx Jane

-----Original Message-----
From: Halligan, Julie [mailto:julie.halligan@cpuc.ca.gov]
Sent: Tuesday, August 14, 2012 7:51 PM
To: Yura, Jane
Subject: RE: Safety symposium

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Julie

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, August 17, 2012 11:08 AM
To: julie.halligan@cpuc.ca.gov
Subject: Fwd: Draft Letter for your review Safety Sy mposium
Attachments: Jane Letter for Peevey.docx; ATT00001.htm

Hi Julie, here is a draft letter for President Peevy to send to Chairman Hersman for the Safety Symposium. Let me know how you'd like to proceed.
Thx
Jane,

Begin forwarded message:

From: "Burke, Todd" <T2BB@pge.com<mailto:T2BB@pge.com>>
Date: August 17, 2012 9:11:51 AM PDT
To: "Yura, Jane" <JKY1@pge.com<mailto:JKY1@pge.com>>
Subject: Draft Letter for your review

Hi Jane. Attached is a draft letter for your review from Peevey to Chairman Hersman for the Symposium. Please let me know if this is what you were looking for, or if I can be of further assistance.

Todd

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August XX, 2012

Honorable Deborah A. P. Hersman
Chairman
National Transportation Safety Board

Dear Chairman Hersman:

On behalf of the California Public Utilities Commission and California's public utilities I would like to thank you for confirming your intent to speak at our [DATE] symposium, "Safe California – Creating a Culture Change to Benefit the People of California." The first in a series of safety symposiums, "Safe California" will address key issues and explore solutions to public safety concerns in California's public utility sector. We hope that through this event and subsequent working meetings we will be able to better define, create and sustain a safety-first culture for public utilities in the State of California.

The symposia will allow both industry leaders and government representatives to convene, discuss and make recommendations that will help to create a more purposeful safety-first culture across California. This will be achieved through interactive workshops, panels and presentations, designed to share best practices for public safety. We will help foster understanding of safety expectations and the consequences of failure, and assert that safety, with respect to human life and property, is non-negotiable. Our goal is to collaborate across industry and government to help dramatically improve the safety of our public utility systems.

As you plan for participation, I suggest we arrange a time to review logistics and ideas for your remarks. In the meantime, please feel free to contact me directly at [EMAIL/PHONE]. On behalf of the CPUC and our state's public utility companies, thank you very much for playing such an integral role in helping us kick off our first of a series of symposiums.

Sincerely,

Michael R. Peevey
President
California Public Utilities Commission

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, August 24, 2012 11:13 AM
To: julie.halligan@cpuc.ca.gov
Subject: FW: Draft Letter for your review Safety Symposium
Attachments: Jane Letter for Peevey.docx; ATT00001.htm

Hi Julie--- any word on next steps – I'm in today if you want to talk. Our team has had the Hilton call this week, and say there may be an opening. So that begins to give additional choices (other than just the Stanford Court).

Thx
Jane
415 973 1398

From: Yura, Jane
Sent: Friday, August 17, 2012 11:08 AM
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Thx
Jane,

Begin forwarded message:

From: "Burke, Todd" <T2BB@pge.com>
Date: August 17, 2012 9:11:51 AM PDT
To: "Yura, Jane" <JKY1@pge.com>
Subject: Draft Letter for your review

Hi Jane. Attached is a draft letter for your review from Peevey to Chairman Hersman for the Symposium. Please let me know if this is what you were looking for, or if I can be of further assistance.

Todd

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August XX, 2012

Honorable Deborah A. P. Hersman
Chairman
National Transportation Safety Board

Dear Chairman Hersman:

On behalf of the California Public Utilities Commission and California's public utilities I would like to thank you for confirming your intent to speak at our [DATE] symposium, "Safe California – Creating a Culture Change to Benefit the People of California." The first in a series of safety symposiums, "Safe California" will address key issues and explore solutions to public safety concerns in California's public utility sector. We hope that through this event and subsequent working meetings we will be able to better define, create and sustain a safety-first culture for public utilities in the State of California.

The symposia will allow both industry leaders and government representatives to convene, discuss and make recommendations that will help to create a more purposeful safety-first culture across California. This will be achieved through interactive workshops, panels and presentations, designed to share best practices for public safety. We will help foster understanding of safety expectations and the consequences of failure, and assert that safety, with respect to human life and property, is non-negotiable. Our goal is to collaborate across industry and government to help dramatically improve the safety of our public utility systems.

As you plan for participation, I suggest we arrange a time to review logistics and ideas for your remarks. In the meantime, please feel free to contact me directly at [EMAIL/PHONE]. On behalf of the CPUC and our state's public utility companies, thank you very much for playing such an integral role in helping us kick off our first of a series of symposiums.

Sincerely,

Michael R. Peevey
President
California Public Utilities Commission

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Saturday, September 01, 2012 11:53 AM
To: julie.halligan@cpuc.ca.gov
Subject: FW: Phone call: Julie Halligan CPUC.

Importance: High

Hi Julie – sorry we didn't get to connect last week --- I am travelling this week Tues. and Wed. to Washington, but back Thursday. Please let me know when a good time to call is for you later this week. I'd like to get your ideas on any next steps for the Safety Symposium, and I have an unrelated item I wanted to get your assistance on,
Talk to you soon,
Jane
Ps. I didn't get an email from you, so I assumed you wanted to talk live.

From: Malilay, Christine
Sent: Wednesday, August 29, 2012 2:50 PM
To: Yura, Jane
Cc: Samii, LaVerne
Subject: Phone call: Julie Halligan CPUC.
Importance: High

Hi Jane,
Julie will send you an email. She would also like you to call her at 415-703-1587.

Thank you.

Regards,
Christine Malilay
Director's Assistant
Gas Ops Standards & Policies
Have a safe day

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Saturday, September 01, 2012 12:16 PM
To: Halligan, Julie
Subject: RE: Phone call: Julie Halligan CPUC.

Same here Julie – I'm actually out at a field location Thursday – but definitely in the office on Friday,
Jane

From: Halligan, Julie [mailto:julie.halligan@cpuc.ca.gov]
Sent: Saturday, September 01, 2012 12:10 PM
To: Yura, Jane
Subject: RE: Phone call: Julie Halligan CPUC.

Hi - Thanks for getting back to me. I am not sure if I'll be free thursday with the hearing schedule, but if I am I will thursday and we can talk about the next steps. I figured it would be easier to talk that to try to email at this point.

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Harris, Frederick

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Saturday, September 01, 2012 12:19 PM
To: Halligan, Julie
Subject: RE: Phone call: Julie Halligan CPUC.

Ok – my assistant is good about relaying mssgs --- so as soon as I get it, I will call you!

From: Halligan, Julie [mailto:julie.halligan@cpuc.ca.gov]
Sent: Saturday, September 01, 2012 12:17 PM
To: Yura, Jane
Subject: RE: Phone call: Julie Halligan CPUC.

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Harris, Frederick

From: Cherry, Brian K <BKC7@pge.com>
Sent: Friday, September 07, 2012 9:23 AM
To: Cooke, Michelle
Subject: Safety Forum

Will this be a repeat of what was held in SFO or will it be different ?

Notice of Safety Leadership Conference

October 23, 2012 *9 am – 11:30 am*	*California Public Utilities Commission* *320 West 4th Street, Auditorium* ***Los Angeles***

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Harris, Frederick

From: Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Sent: Friday, September 07, 2012 9:45 AM
To: 'Cherry, Brian K'
Subject: RE: Safety Forum

Repeat.

Michelle

From: Cherry, Brian K [mailto:BKC7@pge.com]
Sent: Friday, September 07, 2012 9:23 AM
To: Cooke, Michelle
Subject: Safety Forum

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Harris, Frederick

From: Cherry, Brian K <BKC7@pge.com>
Sent: Friday, September 07, 2012 10:12 AM
To: Cooke, Michelle
Subject: RE: Safety Forum

Saves me a trip to LA.

From: Cooke, Michelle [mailto:michelle.cooke@cpuc.ca.gov]
Sent: Friday, September 07, 2012 9:45 AM
To: Cherry, Brian K
Subject: RE: Safety Forum

Repeat.

Michelle

From: Cherry, Brian K [mailto:BKC7@pge.com]
Sent: Friday, September 07, 2012 9:23 AM
To: Cooke, Michelle
Subject: Safety Forum

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, September 17, 2012 3:54 PM
To: Halligan, Julie
Subject: 1/8/13 Safety Symposium

Hi Julie, am back in SF this week (gladly!). Here's the current utility part of the working group for the CPUC Safety Symposium:

- Brett Lane, Sempra
- Jerry Schmitz, Southwest Gas
- Jane Yura, PG&E

It may be a good idea for you to schedule a conference call soon to discuss next steps. Maybe get the team to think about the agenda, before the call. I was thinking additional invitees could be AGA (American Gas Association), and possibly the State Fire Marshall/OES, perhaps PHMSA...?

Let me know,
Thx
Jane

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Tuesday, September 18, 2012 11:51 AM
To: Yura, Jane
Subject: RE: 1/8/13 Safety Symposium

Hi Jane. I agree, I have a meeting with Jim Hall and associates next week so a conference call shortly thereafter would be good.

Julie

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Let me know,
Thx
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, September 20, 2012 1:59 PM
To: Halligan, Julie
Subject: RE: 1/8/13 Safety Symposium

Julie can I get a copy of the letter to Chrmn Hersman when it's signed/sent? If we could do the call Wednesday, or anytime Friday afternoon, that would be great.

Here are Brett's and Jerry's emails:
jlane@semprautilities.com
jerry.schmitz@swgas.com

Thx
Jane

From: Halligan, Julie [mailto:julie.halligan@cpuc.ca.gov]
Sent: Tuesday, September 18, 2012 11:51 AM
To: Yura, Jane
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Let me know,
Thx
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, September 24, 2012 4:04 PM
To: Julie Halligan
Subject: Fwd: CPUC Meeting - Hotel Space Status Update

Julie I know you'll be setting up a call to get the 3 utilities coordinated--- but I think we'll need to lock down the venue soon. Looks like we have one option now.
Thx

Jane

Jane Yura
PG&E Gas Ops
415-973-1398

Begin forwarded message:

From: "Parnell, Renee" <RTP3@pge.com<mailto:RTP3@pge.com>>
Date: September 24, 2012 3:46:49 PM PDT
To: "Yura, Jane" <JKY1@pge.com<mailto:JKY1@pge.com>>
Cc: "Rosenthal, Andrea" <ADRG@pge.com<mailto:ADRG@pge.com>>
Subject: RE: CPUC Meeting - Hotel Space Status Update

Jane:

Any word on CPUC Safety Symposium? We just heard that the Hilton is now booked. Again, until we have a deposit to hold a facility, we do not have a venue locked in for this meeting.

Please advise.

Thanks.

Renee

From: Rosenthal, Andrea
Sent: Wednesday, September 12, 2012 4:08 PM
To: Yura, Jane
Cc: Parnell, Renee
Subject: CPUC Meeting - Hotel Space Status Update

Hi Jane,

Renee asked me to reach out to you and share the status of the hotels that had availability for the CPUC meeting on January 8th and 9th.

Hotels

Renaissance – The Stanford Court Hotel
•Large meeting space and breakout rooms are still on "soft hold"

Hilton – San Francisco Union Square
•Large meeting space and breakout rooms are still on "soft hold"

Palace Hotel
•Space is available but they are hesitant to guarantee us meeting space without a commitment of 100 guest rooms.

Notes
The "soft hold" is informal with no obligation by either party. The hotel can release our requested dates/space at any time. We have asked them to give us a call if another group is interested.

Next Steps
Next steps should include scheduling a site visit to your preferred location, signing a contract and making a deposit. Attached you will find a summary of projected costs.

Concerns
Due to the JP Morgan Healthcare conference scheduled for the same week as the CPUC meeting dates, overnight stays will be difficult to book as well as more expensive than normal rates. So while the meeting space and breakout rooms are still on "soft hold", we cannot guarantee the same for the hotel rooms for the guests. If we book a contract with a room block, then we can be assured that the attendees will be able to secure a room. Therefore, it is important to identify how many out-of-town guests will attend and require overnight accommodations.

Please let me know if you have any questions.

Best,

Andrea

Andrea Rosenthal | Executive Communications Pacific Gas and Electric Company
415.973.1502 office | 223.1502 internal | 415.238.4516 cell | ADRG@pge.com<mailto:j@pge.com>

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Harris, Frederick

From: Cuaresma, Sally <A2C7@pge.com>
Sent: Wednesday, October 10, 2012 2:47 PM
To: mlc@cpuc.ca.gov
Subject: Safety Leadership Conference in LA (Oct 23, 2012)

Hi Michelle, hope all is well with you.

Laura Doll is planning on attending the conference in LA. Do you have suggestion as to where to stay (hotel) near the conference site? Thank you for your attention.

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Sally Cuaresma
Regulatory Relations
T: 415-973-5012

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Harris, Frederick

From: Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Sent: Wednesday, October 10, 2012 3:00 PM
To: 'Cuaresma, Sally'
Subject: RE: Safety Leadership Conference in LA (Oct 23, 2012)

Hi Sally. I'm at the Biltmore which is just a few blocks away. Another option is a hotel in Japantown, about 6 blocks (10 – 15 min walk) from the office (where the conference will be). It used to be called the Grand Kyoto, but now it's called the Doubletree by Hilton. http://doubletree3.hilton.com/en/hotels/california/doubletree-by-hilton-hotel-los-angeles-downtown-LAXDTDT/index.html . It is in an area with lots of great Japanese and other restaurants.

Michelle

From: Cuaresma, Sally [mailto:A2C7@pge.com]
Sent: Wednesday, October 10, 2012 2:47 PM
To: Cooke, Michelle
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Harris, Frederick

From: wds2texas@aol.com
Sent: Monday, December 10, 2012 3:47 PM
To: jmh@cpuc.ca.gov; Yura, Jane
Cc: wds2texas@aol.com
Subject: Fwd: Symposium
Attachments: Symposium Draft Agenda.docx; Symposium Draft Purpose Doc.docx

Folks-Please disregard my previous email attachments and use these-I had so many documents in file from earlier efforts that I grabbed the wrong ones to send you. My apologies!

Bill Scott

-----Original Message-----
From: wds2texas <wds2texas@aol.com>
To: jky1 <jky1@pge.com>; jmh <jmh@cpuc.ca.gov>
Cc: wds2texas <wds2texas@aol.com>
Sent: Mon, Dec 10, 2012 5:39 pm
Subject: Symposium

Jane/Julie-I have attached 2 documents for your review; 1. A draft relating to the meetings purpose and 2. A list of things we need to get done. Please review in advance of our telco if you can. Jane I had originally suggested to Julie that we try to do this call about 9AM PT on Thur. the 13th. However, in the interim my Mother has developed some problems that I need to attend to so I will be flying to Houston tomorrow and will return on Thur. the 13th. If possible I would prefer if we could move the call to the 14th (Fri.) anytime that would suit the two of you. If you could collaborate and just advise me by email (wds2texas@aol.com) or text (· Redacted ') I will call in. Also Jane if possible could you set up a telephone link for us? I know that Julie is off next week so if we can make the discussion on Fri. that would be great.

The documents are only drafts and can be changed any way we want-I just wanted to give us a place to start.

Thank you both and I look forward to the call.

Bill Scott

12/10/12

Symposium Planning Deliverables-DRAFT

Items to be discussed;

1. Symposium Deliverable-What are we trying to accomplish? A draft document for conversation purposes is attached separately.
2. Date of the First Symposium-target date as required by Gen. Hagan shall be prior to the end of May 2013.
3. Attendees-who are we going to invite? Assume participation by all California regulated Gas Utilities and the CPUC. Assume 10-15 participants per company and 10 from the PUC-total 55-75 or so.
4. Open to and invited guests-assume vested interest parties such as the press, company Board of Directors personnel, public safety people such as Fire Marshalls, advocacy groups, other California regulators, Federal Regulators such as PHMSA representatives, speakers, elected officials and other interested individuals-total 50. Total expected participants and observers 100-150. Outside observers are not anticipated to have a voice during this event-this is a working meeting and not a public forum for input-however as mentioned the work product and meeting itself shall be open to the public. Outside parties should also not be invited to the opening night dinner/speaker presentation.
5. Where are we going to hold the Symposium? PUC preference has been expressed for this first event to be held in the City of San Francisco.
6. Who is going to pay the cost of the event? Depends on the scope of the meeting and where it is held but budget will likely be in the $50,000.00+ range. It is anticipated that all Council Member Companies and the CPUC will participate financially to fund the event. It is important that the CPUC provides some funding for the event-the amount of that funding is certainly open to consideration.
7. What does the structure of the Symposium look like-it has been suggested that we have an evening social and buffet dinner with a guest speaker on day one with the event starting approximately at 6PM and concluding by 9PM. Day 2 would start early-say by 8 with a continental breakfast and coffee preceding. The agenda would be a mix of presentations by both industry members and CPUC personnel followed by break out groups to further discussion. Topics would be assigned in advance to generate focus. It is anticipated that Gen. Hagan and one of the Member Council Company executives would address the group during this work day to set expectations. The meeting day will include lunch and is expected to conclude by 5PM.
8. Guest Speaker for the first evening kick-off. Discussion to this point has centered on Debra Hersmann, Chairman of the NTSB. She has been contacted by Jim Hall of Hall and Asso. And has expressed willingness to participate-the only issue is date alignment.
9. Work Team-who is going to drive this Symposium? I recommend that the Team be a working team composed of one person or more (as required) from each prospective member company and the PUC. Initially the group would be Chaired Jointly by Jane Yura from PG&E and Julie Halligan from the CPUC. Other Council Member companies need to be identified and contacted-who is going to do this? Bill Scott/Bob Chipkevitch from Hall and Asso. Shall support the Team as outside content and resource persons.

10. Logistics need to be identified by this team and resources committed to cause the event to take shape which includes Symposium deliverables, the final agenda, cost definition-allocation, facility identification and contracting, speaker identification and confirmation and so forth. The Work Team in #9 above shall drive these tasks utilizing company/CPUC personnel and resources as required. It is expected that the final draft document detailing Symposium Deliverables is completed for final review with Gen. Hagan during the week of Jan. 28th, 2013. PRELIMINARY COUNCIL MEMBER COMPANY APPROVAL is also independently anticipated by this date. Final approval to proceed should be anticipated within two weeks of this internal review.
11. Other Items?

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, December 10, 2012 9:06 PM
To: jmh@cpuc.ca.gov
Cc: Doll, Laura
Subject: Re: Symposium

Julie can you let me know of some possible times for the Friday call with Bill.

Also, we will have our final draft encroachment root cause and compliance plan ready for your and General Hagan's review on Friday. I reviewed the work in progress and it is much more clear/detailed since the version we shared a week ago.

Thx Jane

On Dec 10, 2012, at 3:47 PM, "wds2texas@aol.com<mailto:wds2texas@aol.com>" <wds2texas@aol.com<mailto:wds2texas@aol.com>> wrote:

Folks-Please disregard my previous email attachments and use these-I had so many documents in file from earlier efforts that I grabbed the wrong ones to send you. My apologies!

Bill Scott

-----Original Message-----
From: wds2texas <wds2texas@aol.com<mailto:wds2texas@aol.com>>
To: jky1 <jky1@pge.com<mailto:jky1@pge.com>>; jmh <jmh@cpuc.ca.gov<mailto:jmh@cpuc.ca.gov>>
Cc: wds2texas <wds2texas@aol.com<mailto:wds2texas@aol.com>>
Sent: Mon, Dec 10, 2012 5:39 pm
Subject: Symposium

Jane/Julie-I have attached 2 documents for your review; 1. A draft relating to the meetings purpose and 2. A list of things we need to get done. Please review in advance of our telco if you can. Jane I had originally suggested to Julie that we try to do this call about 9AM PT on Thur. the 13th. However, in the interim my Mother has developed some problems that I need to attend to so I will be flying to Houston tomorrow and will return on Thur. the 13th. If possible I would prefer if we could move the call to the 14th (Fri.) anytime that would suit the two of you. If you could collaborate and just advise me by email (wds2texas@aol.com<mailto:2texas@aol.com>) or text (Redacted) I will call in. Also Jane if possible could you set up a telephone link for us? I know that Julie is off next week so if we can make the discussion on Fri. that would be great.

The documents are only drafts and can be changed any way we want-I just wanted to give us a place to start.

Thank you both and I look forward to the call.

Bill Scott
<Symposium Draft Agenda.docx>
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12/10/12

Symposium Deliverable-DRAFT

Objective-To craft a Symposium jointly sponsored by the CPUC and Industry (Regulated Gas Utilities in the State of California) that will address Public Safety Metrics which will serve to measure Utility Performance in the area of Gas Utility Public Safety in the State of California. The metrics chosen by the Symposium Attendees will be collaboratively derived. They (the measures ultimately selected) will; 1. Represent at a high level the true, consistent and verifiable Public Safety Performance of California Gas Utilities 2. The measures selected will be concurred in publically by the CPUC as representative of the performance of the regulated Gas Utility Companies in the State of California 3. The measures when approved and published will be made public. 4. The number of measures chosen for development and publication shall be as agreed to by the Council of Members and the CPUC but generally they shall be; limited in number, be developed in a consistent fashion by the Member Companies, and 5. The measures may be used by the member companies in support of ratemaking applications before the CPUC and they may be used likewise by the CPUC during the ratemaking process and/ or in support of CPUC rulemaking.

It is the intent of the parties to this first Symposium, tentatively scheduled for May 2013, that this initial Symposium will represent the first of an ongoing series of Symposiums between the CPUC and California's regulated Gas Companies. Topics to be addressed will be defined collaboratively by a to be established Council of Member Companies and the CPUC-however, the purpose of all future Symposium's will be designed to further the cause of communication and focus on topics of mutual interest to the benefit of public safety.

It is understood that the Members and the CPUC may desire to include other regulators (PHMSA for example), non-regulated companies in or outside the State of California and such other professionals, experts, consultants, elected public officials or other parties as may be deemed beneficial to the purpose of the Symposium. It is finally understood that the costs of each Symposium shall be shared by all sponsoring parties to the Symposium in a fashion agreed to by the Council of Member Companies and the CPUC.

Finally, there is no expectation that the Symposium itself is intended to produce a final work product relating to the Symposiums topic-rather the Symposium is intended to provide a forum for understanding and discussion-the work product of any Symposium shall be the responsibility of the Council of Members and the CPUC subsequent to the Symposium.

Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Tuesday, December 11, 2012 1:00 PM
To: Yura, Jane
Cc: Doll, Laura
Subject: RE: Symposium

Hi Jane - How does 2:00 pm sound?

Julie Halligan, Deputy Director
Consumer Protection and Safety Division
California Public Utilities Commission
jmh@cpuc.ca.gov
415.703.1587

-----Original Message-----
From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Monday, December 10, 2012 9:06 PM
To: Halligan, Julie
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To: jky1 <jky1@pge.com<mailto:jky1@pge.com>>; jmh <jmh@cpuc.ca.gov<mailto:jmh@cpuc.ca.gov>>
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, December 11, 2012 1:26 PM
To: Halligan, Julie
Cc: Doll, Laura
Subject: RE: Symposium

Hi Julie -- is 2:30 workable? I am in a meeting that should conclude by 2 --- but want to make sure to be timely. If yes, then, I send a calendar invite to you and Bill.
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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Tuesday, December 11, 2012 1:42 PM
To: Yura, Jane
Subject: RE: Symposium

2:30 is fine, yes

Julie Halligan, Deputy Director
Consumer Protection and Safety Division
California Public Utilities Commission
jmh@cpuc.ca.gov
415.703.1587

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, December 11, 2012 2:11 PM
To: julie.halligan@cpuc.ca.gov
Cc: wds2texas@aol.com
Subject: CPSD California Safety Workshop/Symposium Planning
Attachments: Fwd: Symposium

Julie, Bill, this is to discuss the plan for the May 2013 Safety Symposium that will be hosted by the CPSD.

The call is 2:30 PST this upcoming Friday,
Thx
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, December 14, 2012 12:23 PM
To: julie.halligan@cpuc.ca.gov; Bill Scott (wds2Texas@aol.com); Bob Chipkevich (bob.chipkevich@gmail.com); Doll, Laura
Subject: CPUC Symposium, 2:30 call today
Attachments: Symposium Draft Agenda.docx.docx; Symposium_Draft_Purpose_Doc_RevBob.docx.docx

All, just so you have it handy, here are the two attachments that Bill provided to us to initiate the discussion. For the second attachment, I used the edited version Bob provided us (he cannot make the call today).

Thx
Jane

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Thursday, December 13, 2012 1:59 AM
To: 'Yura, Jane'
Subject: Accepted: CPSD California Safety Workshop/Symposium Planning

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, December 14, 2012 3:20 PM
To: julie.halligan@cpuc.ca.gov; Bill Scott (wds2Texas@aol.com); Bob Chipkevich (bob.chipkevich@gmail.com); Doll, Laura
Subject: CPUC Safety Symposium - Planning meeting

Setting up the next working meeting call for the team.

Anticipate that as the working team is assembled, other team members will be added to the meeting,
Thanks
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Wednesday, January 16, 2013 1:03 PM
To: julie.halligan@cpuc.ca.gov; Bill Scott (wds2Texas@aol.com); Bob Chipkevich (bob.chipkevich@gmail.com); Doll, Laura
Subject: CPUC Safety Symposium - Planning meeting

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Wednesday, January 16, 2013 4:56 PM
To: julie.halligan@cpuc.ca.gov; Bill Scott (wds2Texas@aol.com); Bob Chipkevich (bob.chipkevich@gmail.com); Doll, Laura
Subject: RE: CPUC Safety Symposium - Planning meeting
Attachments: CPUC Safety Symposium 5-7-13.xlsx

Hello everyone, just confirming our call tomorrow afternoon. I am attaching a draft schedule that may be helpful for our discussion (it is very rough, and will need much adjusting, details...).

Also, I hope to have some possible venues that are being reviewed through our PG&E contacts with various hotels.

Looking forward to the call,
Jane

-----Original Appointment-----
From: Yura, Jane
Sent: Friday, December 14, 2012 3:20 PM
To: Yura, Jane; julie.halligan@cpuc.ca.gov; Bill Scott (wds2Texas@aol.com); Bob Chipkevich (bob.chipkevich@gmail.com); Doll, Laura
Subject: CPUC Safety Symposium - Planning meeting
When: Thursday, January 17, 2013 3:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Call In 1-877-326-0011, *415 973 1398*

Setting up the next working meeting call for the team.

Anticipate that as the working team is assembled, other team members will be added to the meeting,
Thanks
Jane

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CPUC Safety Workshop / Symposium
May 7-8, 2013

Month / Date	Key Milestones / Actions

Jan

S	M	T	W	Th	F	Sa
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

1/17: Planning Meeting-- review schedule plan
1/25: Mail invitation to Chairman Hersman from President Peevey
1/31: Team kickoff meeting including CPUC, PG&E, Sempra, SoWest Gas

Feb

S	M	T	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

Select venue location, sign contract and make deposit
2/8: Team conference call to discus and recommend agenda
2/15: Invite other key speakers/presenters

2/28 confirm agenda, speakers, final logistics

Mar

S	M	T	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

3/4: Mail invitations to participants with agenda

3/29: Receive RSVPs confirming attendance

Apr

S	M	T	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

4/1-2: Follow-up calls to non-respondents
4/10: Send Final Agenda, Logistics to all attendees

May

S	M	T	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11

5/7 1:00 -5:00 session; Chairman Hersman
6:00 social hour
7:00 dinner

5/8 8:00 - 12:00 session

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, January 17, 2013 6:17 PM
To: julie.halligan@cpuc.ca.gov
Cc: Doll, Laura
Subject: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

Hi Julie --- sorry to hear you are out ill --- I actually just got back in last week after being out for a while with the flu. It's been a prolonged recovery on my end.

We postponed the call we were to have with Bill Scott (from Jim Hall and associates) – but I did get a chance to talk with Bill a bit. We thought it might be a good idea to get Sempra (Bret Lane) and Southwest Gas (Jerry Schmitz) and PG&E (me) together with you, when Bill Scott and Jim Hall are here on 1/30 Wednesday.

I contacted Bret and Jerry, and they could fly in for a meeting late the morning of 1/30 or early afternoon. Do you think you could accommodate a meeting? Future ones could be via phone, but it may be good to have one face-to-face to discuss content, logistics, and any assignments you'd like to make.

Get better soon,

Jane

415-973-1398

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Friday, January 18, 2013 8:18 AM
To: Yura, Jane
Subject: RE: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

Thanks Jane.
Yes, this cold or flu is miserable. I m scheduled to be in the office on the 30th, so it should work. The only meeting on my calendar right now is a 1-2 pm meeting, so I would just need to work around that.

julie

From: Yura, Jane [JKY1@pge.com]
Sent: Thursday, January 17, 2013 6:16 PM
To: Halligan, Julie
Cc: Doll, Laura
Subject: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, January 18, 2013 1:09 PM
To: Halligan, Julie
Subject: Re: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

Julie, Get well soon--- I know it's a drag. I'll shoot for 2:15 (give you some travel time!) and let others know.
Thx

Jane

Jane Yura
PG&E Gas Ops
415-973-1398

On Jan 18, 2013, at 8:17 AM, "Halligan, Julie" <julie.halligan@cpuc.ca.gov<mailto:julie.halligan@cpuc.ca.gov>> wrote:

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Harris, Frederick

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Sent: Friday, January 18, 2013 6:23 PM
To: julie.halligan@cpuc.ca.gov; Lane, J. Bret; jerry.schmitz@swgas.com; wds2texas@aol.com
Subject: CPUC Safety Symposium Planning Meeting

I am scheduling this planning meeting on behalf of Julie Halligan (she is out ill today), to discuss the CPUC Safety Symposium, Workshop for May 7-8, 2013.

Bill Scott (of Jim Hall and Associates)
Bret Lane (Sempra)
Jerry Schmitz (SoWest Gas)
Jane Yura (PG&E)

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, January 22, 2013 3:29 PM
To: Halligan, Julie
Subject: RE: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

Hi Julie – I received confirmation that Bret Lane (Sempra) and Jerry Schmitz (SoWest Gas) will be flying in for the meeting at 2:15, as well as some of Jim Hall's team --- I just generally gave the location as the CPUC. Could you please confirm that is okay.

Thx! hope all's better.

Jane

From: Halligan, Julie [mailto:julie.halligan@cpuc.ca.gov]
Sent: Friday, January 18, 2013 8:18 AM
To: Yura, Jane
Subject: RE: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

Thanks Jane.
Yes, this cold or flu is miserable. I m scheduled to be in the office on the 30th, so it should work. The only meeting on my calendar right now is a 1-2 pm meeting, so i would just need to work around that.

julie

From: Yura, Jane [JKY1@pge.com]
Sent: Thursday, January 17, 2013 6:16 PM
To: Halligan, Julie
Cc: Doll, Laura
Subject: CPUC Safety Symposium - Planning meeting W/utilities 1/30 in SF

Hi Julie --- sorry to hear you are out ill --- I actually just got back in last week after being out for a while with the flu. It's been a prolonged recovery on my end.

We postponed the call we were to have with Bill Scott (from Jim Hall and associates) – but I did get a chance to talk with Bill a bit. We thought it might be a good idea to get Sempra (Bret Lane) and Southwest Gas (Jerry Schmitz) and PG&E (me) together with you, when Bill Scott and Jim Hall are here on 1/30 Wednesday.

I contacted Bret and Jerry, and they could fly in for a meeting late the morning of 1/30 or early afternoon. Do you think you could accommodate a meeting? Future ones could be via phone, but it may be good to have one face-to-face to discuss content, logistics, and any assignments you'd like to make.

Get better soon,

Jane

415-973-1398

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, January 22, 2013 5:03 PM
To: julie.halligan@cpuc.ca.gov; 'Lane, J. Bret'; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich
Subject: CPUC Safety Symposium Planning Meeting

I am scheduling this planning meeting on behalf of Julie Halligan (she is out ill today), to discuss the CPUC Safety Symposium, Workshop for May 7-8, 2013.

Jim Hall
Bob Chipkevich (of Jim Hall and Associates)
Bill Scott (of Jim Hall and Associates)
Bret Lane (Sempra) – will phone in (will provide call-in number to Bret)
Jerry Schmitz (SoWest Gas)
Jane Yura (PG&E)

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Harris, Frederick

From: Room 2204 <room2204@cpuc.ca.gov>
Sent: Friday, January 25, 2013 9:01 AM
To: Halligan, Julie; 'JKY1@pge.com'
Subject: CPUC Safety Symposium

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, January 25, 2013 9:07 AM
To: Room 2204
Subject: Accepted: CPUC Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, January 25, 2013 9:07 AM
To: Ramos, Irma L.; Pete, Aaron
Subject: Accepted: CPUC Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com> on behalf of Samii, LaVerne <LMS2@pge.com>
Sent: Friday, January 25, 2013 9:28 AM
To: 'Room 2204'
Subject: Accepted: CPUC Safety Symposium

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Harris, Frederick

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To: Ramos, Irma L.; Pete, Aaron
Subject: Accepted: CPUC Safety Symposium

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, January 25, 2013 10:15 AM
To: Room 2204
Subject: Accepted: FW: CPUC Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, January 28, 2013 2:33 PM
To: Julie Halligan
Subject: Update

Julie--- I hope it was okay for Bill Scott to help us with the meeting this Wednesday on the safety symposium. I thought he could provide some resource support vs having to find folks on your team or at the utilities. He will help us as much or little as you'd like.

Separately, I know we're trying to set up time this week to reach agreement on the encroachment plan and any penalties. I can rearrange my calendar to fit whatever schedule works for you. We can even keep the Wednesday symposium planning meeting short, and then work on it, since I will be at your offices.
Thx
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, February 05, 2013 4:27 PM
To: julie.halligan@cpuc.ca.gov; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich
Subject: CPUC Safety Symposium -- Status meeting

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

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Subject: CPUC Safety Symposium

Hello everyone, I just sent out a calendar item for a brief call on Fridays. Also, we were able to confirm Capt. Sully Sullenberg to be a speaker for 5/7 (the first afternoon). Next on the agenda are firming up the agenda, and the venue.

Thank you,
Jane

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Wednesday, February 06, 2013 10:36 AM
To: Yura, Jane
Subject: RE: CPUC Safety Symposium

Thanks Jane. I think he will be a great addition (and a good draw for some who might be tired of the same issues...)! I can't recall who had the connection to him, so please remind me so I can thank them too. If it was you, thanks again.

I think it would be helpful to go over the agenda and potential speakers in advance of Friday's call with the group. I want to compare notes to make sure we are all on the same page about the potential topics after the last meeting. That will help me think of topics/speakers as well. Let me know if there is a good time.

Julie Halligan, Deputy Director
Office of Utilities Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
jmh@cpuc.ca.gov
415.703 1587

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Wednesday, February 06, 2013 10:36 AM
To: Yura, Jane
Subject: Accepted: CPUC Safety Symposium -- Status meeting

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Wednesday, February 06, 2013 12:16 PM
To: Halligan, Julie
Subject: RE: CPUC Safety Symposium

Hi Julie --- Nick reached out as soon as we mentioned to him. We are making sure to get clearance internally too (we may have to pay his travel).
Good idea on talking before the Friday call – I barely got the meeting notice out in time. do you have time tomorrow about 1—2:00 (somewhere in that hour?) I am out in the morning.

Thx
Jane

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To: Yura, Jane
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Hi - I can do 2:00. I also might be able to do 1:30 (I have a 1-2 that will end early, but I am not sure how early).

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Subject: CPUC Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Wednesday, February 06, 2013 12:43 PM
To: Halligan, Julie
Subject: RE: CPUC Safety Symposium

I have a 2:00 – so if you can squeeze a call at about 1:50 --- I can be late for my 2!
Thx
Jane

From: Halligan, Julie [mailto:julie.halligan@cpuc.ca.gov]
Sent: Wednesday, February 06, 2013 12:36 PM
To: Yura, Jane
Subject: RE: CPUC Safety Symposium

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Wednesday, February 06, 2013 12:56 PM
To: Yura, Jane
Subject: RE: CPUC Safety Symposium

Okay, I will try to call closer to 1:30 so that you aren't very late.

Julie Halligan, Deputy Director
Office of Utilities Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
jmh@cpuc.ca.gov
415.703.1587

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Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, February 07, 2013 11:55 AM
To: julie.halligan@cpuc.ca.gov
Subject: for our conf call at 1:3-'ish
Attachments: SAVE THE DATE draft. Safety symposiumdocx.docx

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SAVE THE DATE

CALIFORNIA'S FIRST ANNUAL JOINT SYMPOSIUM ON NATURAL GAS SAFETY

May 7 & 8, 2013

Mark Hopkins Hotel, San Francisco

Sponsored by the California Public Utilities Commission

In cooperation with the

Natural Gas Utilities of California

This year's theme is

Gas Safety: A Shared Responsibility

Details to follow in late March.

We are currently planning for a session that begins after lunch on Tuesday, May 7 and concludes early afternoon on Wednesday, May 8.

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, February 08, 2013 9:35 AM
To: julie.halligan@cpuc.ca.gov
Subject: Today's call: CPUC Symposium

Hi Julie – in case we don't connect this morning, before our 1:30 call, here's what I recommend to move the team along:

Theme: "Gas Safety: a shared Responsibility"

1. request the team to submit a list of recommended invitees by next Friday. PG&E will help develop a consolidated list for everyone, which we can then see/discuss. The list should include name, organization/company, email address (we will send invites electronically) – I can send a simple excel template after the call.

2. assign us to identify the presenters for the 3 panels, and the areas they will cover: Regulatory (Lead: Julie, support Laura), Utilities (Lead: Jane, Bret and Jerry), Industry (Bill Scott)-- next Friday's call, report out on the invitees and the presenters.

3. Logistics: I can report out on venue, how we're going to send invitations electronically and manage rsvp's

Am on a conference call till 11--

Thx,
Jane

973-1398

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Friday, February 08, 2013 1:27 PM
To: Yura, Jane
Subject: RE: Today's call: CPUC Symposium

Hi Jane,

I am happy to have people nominate, but I would rather not have Bill Scott nominate, and I want to retain veto power over any particular presenters. I have seen the same INGAA presentation about 10 times, so that is where that concern is coming from.

Julie Halligan, Deputy Director
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Harris, Frederick

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Sent: Friday, February 08, 2013 1:28 PM
To: Halligan, Julie
Subject: RE: Today's call: CPUC Symposium

Ok – sounds good --- yes, I understand the Bill Scott piece... how about you put Laura in that spot (that way you know you can work through it with her...)
Jane

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Subject: CPUC Safety Symposium: next steps, contacts
Attachments: CPUC Safety Symposium Invitations.xlsx

Hello everyone – from our call today:

1. Contact Info
Julie Halligan, CPUC Safety & Enforcement Division julie.halligan@cpuc.ca.gov
Bret Lane, Sempra jlane@semprautilities.com
Jerry Schmitz, SouthWest Gas jerry.schmitz@swgas.com
Laura Doll, PG&E LRDD@pge.com
Jane Yura, PG&E jky1@pge.com
Bill Scott, Hall and Associates wds2texas@aol.com;
Jim Hall, Hall and Associates jhall@hallassoc.net
Bob Chipkevich, Hall and Associates bob.chipkevich@gmail.com
Peter Goelz, O'Neill and Associates pgoelz@oneillandassoc.com

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Jerry/Jane: Utility Panel

3. Invitees: please identify recommend invitees on the attachment --- this will allow us to consolidate and identify coverage/logistics issues. Please return the best information you have by next Friday 2/15 and I will consolidate and send back to the team.

Thanks and have a great weekend,
Jane

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

May 7-8 CPUC Safety Symposium

Gas Safety: A Shared Responsibility
Mark Hopkins Hotel, San Francisco

Name	Organization	Title

email address

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, February 12, 2013 5:50 PM
To: julie.halligan@cpuc.ca.gov
Subject: Letter to Chairman Hersman

Hi Julie, it's time to dig up the invite letter to NTSB chairman Hersman from Pres. Peevey --- now that we have a venue (Mark Hopkins hotel, SF) and we can say afternoon of 5/7 to give the opening keynote for the symposium on "Safety – a Shared Responsibility".... If you need help, let me know (I have the old draft somewhere in a file).
Thx
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, February 14, 2013 1:37 PM
To: 'julie.halligan@cpuc.ca.gov'; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: RE: CPUC Safety Symposium: next steps, contacts

Just a status update – Bob Chipkevich has sent us all a draft of suggestions for the Public Safety panel; Jerry Schmitz, Bret and Jane have a call to discuss the Utility industry panel first thing tomorrow, to share with the team during the 1:30 PST call tomorrow; hopefully Julie and Bret have had a chance to touch bases on the other Industry panel; and Julie with Peter on the Regulatory panel. I know everyone is working on their proposed attendees' list.

If any panel recommendations are ready by noon, pls forward to the team for the 1:30 discussion. (Dial In #1-877-326-0011, *415 973 1398*)

Thank you,
Jane

From: Yura, Jane
Sent: Friday, February 08, 2013 2:58 PM
To: 'julie.halligan@cpuc.ca.gov'; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Safety Symposium: next steps, contacts

Hello everyone – from our call today:

1. Contact Info
Julie Halligan, CPUC Safety & Enforcement Division julie.halligan@cpuc.ca.gov
Bret Lane, Sempra jlane@semprautilities.com
Jerry Schmitz, SouthWest Gas jerry.schmitz@swgas.com
Laura Doll, PG&E LRDD@pge.com
Jane Yura, PG&E jky1@pge.com
Bill Scott, Hall and Associates wds2texas@aol.com;
Jim Hall, Hall and Associates jhall@hallassoc.net
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To: 'julie.halligan@cpuc.ca.gov'
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Subject: RE: CPUC Safety Symposium: next steps, contacts
Attachments: California Gas Safety Symposium Panels.docx

Julie --- here are the panel recommendations for the Utility Industry Panel that you can begin to review. We included the recommendations by Bob Chipkevich for the Public/First Responders Panel. And made suggestions for the other two, for our call this afternoon. I know there is work in progress this morning --- but thought it better to get out earlier,

Thx
Jane

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California Gas Safety Symposium

May 7-8, 2013

San Francisco, CA

Panel Recommendations:

Industry

1. Nick Stravropolous, PG&E
2. Ron Jibson, 2013 AGA Chair
3. TBD, Sempra

Other Industry

1. Alaska Airlines
2. Electric Industry
3. Chemical Industry

Government

1. CPUC/NARUC
2. Randy Knepper, NAPSR
3. Jeff Wiese, PHMSA

Public/First Responders

1. Joanne Hayes-White, SF FD
2. Carl Weimer, Pipeline Safety Trust
3. Tim Butters, PHMSA

Presentation Topics:

1. Customer Owned Yard Lines Program – Southwest Gas
2. Emergency Response Training/Liaison – Southwest Gas, Sempra, PGE)
3. Safety Management Systems (API committee drafting) – API/Kinder Morgan
4. Commitment to Enhancing Safety – AGA
5. ASV/RCV – Susan Fleming/GAO

Harris, Frederick

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Subject: CPUC Safety Symposium -- Agenda times, invitation list
Attachments: CPUC Safety Symposium Invitation list 021513.xlsx

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Gas Safety: A Shared Responsibility
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Day 1: May 7, Tuesday

1:30	General Hagen Opens, Welcome
1:40	Jim Hall introduces Chairman Hersman
1:45	Chairman Hersman gives Keynote
	(some time for panel 1 to come up following)
2:30	Panel 1: Safety Lessons from other industries
3:30	break
3:50	Panel 2: Safety Perspective from Public First Responders
4:45	General Hagen concludes Tuesday session
6:00	Invitation: Social
6:45	Invitation: Dinner
7:30	Speaker: Captain Sully Sullenberger (determine who will introduce)

Day 2: May 8, Wednesday

8:00	Coffee, light continental available
8:30	General Hagen Opens, Welcome
8:45	Panel 3: Utility Industry -- elements of a safe system
10:00	Break
10:30	Panel 4: Regulators -- expectations for a safe system
12:00	Lunch
12:40	Speaker: President Peevey (?)

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Cc: Martinez, Susie; Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Agenda times, invitation list

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Cc: Martinez, Susie; Rosenthal, Andrea
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Attachments: Copy of CPUC Safety Symposium Invitation list 022213.xlsx

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12:00	Lunch
12:40	Speaker: President Peevey (?)
1:00	Conclude Symposium - General Hagen

Notes

	Approx Count	
	CPUC	30
	SouthW	13
	SEMPRA	20
	PGE	29
about 30 min	Industry	26
	Govt, Others	14
		132

Intro Panel; 15 min each; Q/A

coffee/refreshments

Intro Panel; 15 min each; Q/A

Intro Captain Sullenberger

Intro Panel; 15 min each; Q/A

coffee/refreshments

Intro Panel; 15 min each; Q/A

From: Doll, Laura
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Subject: re Conf, I talked with Jane
Date: Thursday, February 21, 2013 2:11:02 PM

1. It could be AT the Commission.
2. It could be one half day – no meals, no nothing.
3. Could be Hersmann only, and some other discussion panels.
4. But we need to know soon.

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Harris, Frederick

From: Halligan, Julie <julie.halligan@cpuc.ca.gov>
Sent: Friday, February 22, 2013 12:38 PM
To: Yura, Jane; Doll, Laura; jlane@semprautilities.com; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
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jmh@cpuc.ca.gov
415.703.1587

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Thanks Julie, we look forward to an update after your meeting,
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Subject: Canceled: CPUC Safety Symposium -- Status meeting

Importance: High

Cancelling today's call, due to Julie's meeting w/Paul Clannon, Executive Director of CPUC. Update following.
****

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, February 25, 2013 9:44 AM
To: Halligan, Julie
Subject: RE: CPUC Safety Symposium -- Agenda times, invitation list

Hi Julie, any word from Paul? We're reaching the critical week on our timeline, as the speakers are lining up etc. I checked, and we have not secured the venue until we hear from you,
Thx
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Here is the latest version, for our discussion at tomorrow's 1:30 PST call-in (Dial In #1-877-326-0011, *415 973 1398*)

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Thx-
Jane

From: Yura, Jane
Sent: Friday, February 15, 2013 6:18 PM
To: Doll, Laura; 'julie.halligan@cpuc.ca.gov'; jlane@semprautilities.com; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich
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Thank you,
Jane

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov> on behalf of Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Wednesday, February 27, 2013 4:51 PM
To: Doll, Laura; 'The General'
Subject: Meeting with Laura Doll and Jane Yura of PG&E Re: Safety Symposium

Harris, Frederick

From:	Doll, Laura <LRDD@pge.com>
Sent:	Wednesday, February 27, 2013 4:52 PM
To:	Pete, Aaron
Subject:	Accepted: Meeting with Laura Doll and Jane Yura of PG&E Re: Safety Symposium

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, February 27, 2013 4:52 PM
To: Hagan, Jack (Brigadier General – CA)
Subject: Accepted: Meeting with Laura Doll and Jane Yura of PG&E Re: Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Wednesday, February 27, 2013 4:55 PM
To: Hagan, Jack (Brigadier General – CA)
Subject: Accepted: FW: Meeting with Laura Doll and Jane Yura of PG&E Re: Safety Symposium

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Harris, Frederick

From: Lane, Bret <JLane@semprautilities.com>
Sent: Thursday, February 28, 2013 11:06 AM
To: Yura, Jane; Doll, Laura; 'julie.halligan@cpuc.ca.gov'; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
Cc: Martinez, Susie; Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Agenda times, invitation list
Attachments: Copy of CPUC Safety Symposium Invitation list 022013-SoCalGas.xlsx

Laura;
Finally have the list of attendees for SoCalGas and SDG&E (attached).
Bret

From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Thursday, February 21, 2013 11:28 AM
To: Doll, Laura; 'julie.halligan@cpuc.ca.gov'; Lane, Bret; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
Cc: Martinez, Susie; Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Agenda times, invitation list

I apologize, here is the message, with attachment,
Jane

From: Yura, Jane
Sent: Thursday, February 21, 2013 11:23 AM
To: Doll, Laura; 'julie.halligan@cpuc.ca.gov'; 'jlane@semprautilities.com'; 'jerry.schmitz@swgas.com'; 'wds2texas@aol.com'; 'Jim Hall'; 'Bob Chipkevich'
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May 7-8 CPUC Safety Symposium

Gas Safety: A Shared Responsibility
Mark Hopkins Hotel, San Francisco

	Name	Organization	Title
1	Anne Smith		CEO
2	Dennis Arriola	Southern California Gas Co.	President & COO
3	Bret Lane	SoCalGas/SDG&E	Senior Vice President Gas Operations & System Integrity
4	Lee Schavrien	SoCalGas/SDG&E	Senior Vice President Financial Regulatory & Legislative Affairs
5	Erbin Keith	Southern California Gas Co.	Vice President & General Counsel
6	Dan Skopec	SoCalGas/SDG&E	Vice President Regulatory & Legislative Affairs
7	Jimmie Cho	SoCalGas/SDG&E	Vice President Field Services
8	Denita Willoughby	Southern California Gas Co.	Regional Vice President External Affairs & Employee Communications
9	Cedric Williams	Southern California Gas Co.	Director Inland Region
10	Sara Franke	Southern California Gas Co.	Director Pacific Region
11	Doug Schneider	SoCalGas/SDG&E	Director Pipeline Integrity
12	John Dagg	SoCalGas/SDG&E	Director Transmission & System Operations
13	Frank Ayala	SoCalGas/SDG&E	Director Gas Operations Services
14	Hector Madariaga	Southern California Gas Co.	Director Emergency Services
15	Joe Rivera	SoCalGas/SDG&E	Director Gas Engineering
16	Jorge DaSilva	San Diego Gas & Electric Co.	Director San Diego Region
17	Rasha Prince	SoCalGas/SDG&E	Director Regulatory Affairs
18	Sharon Tomkins	Southern California Gas Co.	Assistant General Counsel
19	Brian Prusnek	SoCalGas/SDG&E	Director Regulatory Affairs
20			
21			
22			

CPUC02998

email address

JLane@semprautilities.com
Lschavrien@semprautilities.com
Ekeith@semprautilities.com

Dskopec@semprautilities.com
Jcho@semprautilities.com
Dwilloughby@semprautilities.com
CeLWilliams@semprautilities.com
Sfranke@semprautilities.com

Dschneider@semprautilities.com

Jdagg@semprautilities.com
Fayala@semprautilities.com
Hmadariaga@semprautilities.com

JMRivera@semprautilities.com

JDaSilva@semprautilities.com
Rprince@semprautilities.com
Stomkins@semprautilities.com
Bprusnek@semprautilities.com

CPUC02999

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, February 28, 2013 11:26 AM
To: Lane, Bret; Yura, Jane; 'julie.halligan@cpuc.ca.gov'; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
Cc: Martinez, Susie; Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Agenda times, invitation list

Thanks Bret!

From: Lane, Bret [mailto:JLane@semprautilities.com]
Sent: Thursday, February 28, 2013 11:06 AM
To: Yura, Jane; Doll, Laura; 'julie.halligan@cpuc.ca.gov'; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, February 28, 2013 5:02 PM
To: 'julie.halligan@cpuc.ca.gov'; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: Canceled: CPUC Safety Symposium -- Status meeting

Importance: High

Hello team – cancelling this week's meeting and will provide you an update this weekend via email with the guidance we've received from General Hagan.
Thank you,
Jane
****

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, February 28, 2013 5:10 PM
To: Hagan, Jack (Brigadier General – CA)
Cc: Doll, Laura; EIM@cpuc.ca.gov
Subject: FW: Draft Letter for your review
Attachments: Hersman Letter for Peevey.docx

General Hagen, attached is a draft letter for NTSB Chairman Hersman inviting her formally to the symposium. It is from last Fall, with a few edits from today. Please let me know if you need any additional assistance,
Thank you,
Jane

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March xx, 2013

Honorable Deborah A. P. Hersman
Chairman
National Transportation Safety Board

Dear Chairman Hersman:

On behalf of the California Public Utilities Commission and California's public utilities I would like to thank you for confirming your intent to speak at our May 7, 2013 symposium, "Forging a New Vision of Safety in California." The first in a series of safety symposiums, "Safety in California" will address key issues and explore solutions to public safety concerns in California's public utility sector. We hope that through this event and subsequent working meetings we will be able to better define, create and sustain a safety-first culture for public utilities in the State of California.

The symposia will allow both industry leaders and government representatives to convene, discuss and make recommendations that will help to create a more purposeful safety-first culture across California. This will be achieved through interactive workshops, panels and presentations, designed to share best practices for public safety. We will help foster understanding of safety expectations and the consequences of failure, and assert that safety, with respect to human life and property, is non-negotiable. Our goal is to collaborate across industry and government to help dramatically improve the safety of our public utility systems.

As you plan for participation, I suggest we arrange a time to review logistics and ideas for your remarks. In the meantime, please feel free to contact me directly at [EMAIL/PHONE]. On behalf of the CPUC and our state's public utility companies, thank you very much for playing such an integral role in helping us kick off our first of a series of symposiums.

Sincerely,

Michael R. Peevey
President
California Public Utilities Commission

Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Friday, March 01, 2013 2:09 PM
To: Yura, Jane
Cc: Doll, Laura; Malashenko, Elizaveta I.
Subject: RE: Draft Letter for your review

Thanks,
BG H

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Thursday, February 28, 2013 5:10 PM
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Cc: Doll, Laura; Malashenko, Elizaveta I.
Subject: FW: Draft Letter for your review

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Friday, March 01, 2013 2:10 PM
To: Doll, Laura; Yura, Jane
Subject: FW: Safety Symposium
Attachments: MP-032-08.pdf

Here is Caveman's contact info and some ideas for other panelist

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

-----Original Message-----
From: Bridges, Jody G CAPT NASC, N3E [mailto:jody.g.bridges@navy.mil]
Sent: Friday, March 01, 2013 1:16 PM
To: Hagan, Jack (Brigadier General - CA)
Subject: RE: Safety Symposium

Oops.. didn't attach the first time.
V/r

-----Original Message-----
From: Bridges, Jody G CAPT NASC, N3E
Sent: Friday, March 01, 2013 2:58 PM
To: 'Hagan, Jack (Brigadier General - CA)'
Subject: RE: Safety Symposium

General,
Would love to attend, if on California's dime...as you know CR and Sequestration is hitting our travel budget. You can count me in.

I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested butI think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monterrey.

Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use.

Below is contact info for potential panel members:

Former Director of School of Aviation Safety Robert Conway Manager of Quality Engineering at The Walt Disney Company Aerospace Safety Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical University All I have is his email...Bob.E.Conway@disney.com

Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
BIO:
http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
Mobile: 832-289-4274 or 850-525-8940
Email: kdcameron37@aol.com

Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC.
1193 10th Street Suite
Monterey, CA (California) 93940
Monterey County / Region
United States
Phone (831) 641-9700
Toll Free Phone (800) 960-7104
Fax(408) 228-8018

Former Director of School of Aviation Safety Kenneth P. Neubauer Technical Director, Aerospace Safety Futron Corporation
4410 E. Claiborne Sq., Suite 334
Hampton, VA 2366
Office: (800) 807-4927, x7317
Mobile: (757) 293-8438
http://www.futron.com/safety_n_risk.xml

Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend.

V/r
Caveman

-----Original Message-----
From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Friday, March 01, 2013 1:31 PM
To: Bridges, Jody G CAPT NASC, N3E
Cc: ejhagan@sbcglobal.net
Subject: Safety Symposium

Caveman,

How would you like to come to San Francisco 7-8 May and be on a panel at my first Safety Symposium to speak on climate and culture as it effects safety. The Audience would be the presidents, CEO's, and board of directors of the gas companies in California and the Californian Public Utilities Commission Commissioners. About 100 people.

Who else would you recommend be on this panel? We have Capt Sullenberger as a quest speaker.

We will pay your freight.

Separate item: Where can I send my people to good accident investigation training and where is the format for an accident investigation not the JAG manual investigation, but mishap investigation? I am trying to establish a two track investigation process: Safety investigation with privileged information and a separate punitive investigation for responsibility.

Let me know what you think and I hope to see you in May.

Semper Fi,

BG H

Brigadier General (CA) Emory J. Hagan, III

Director,

Safety and Enforcement Division

California Public Utilities Commission

505 Van Ness Avenue

San Francisco, CA 94102

(916) 267-7201

ejh@cpuc.ca.gov

My mission: "No one dies on my watch!"

"No better friend - No worse enemy!"

Please Note: Effective 1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.

Safety Culture – Theory and Practice

Patrick Hudson
Centre for Safety Science
Universiteit Leiden
P.O.Box 9555
2300 RB Leiden
The Netherlands
Hudson@fsw.LeidenUniv.nl

Abstract

Safety Culture is seen as a way of ensuring high levels of safety performance in organisations, in contrast to the systematic engineered management of hazards and effects. This paper examines the notion of a safety culture in terms of the characteristics of being informed and trusting. These notions are related to more general organisational dimensions describing behaviours an attitudes. Cultures are seen as being defined by their Values, their Beliefs, their Common working Practices and also the ways in which they respond to unusual situations. In a Safety Culture these are all aligned to ensure safe operation even, or especially, when hazardous operations are undertaken. The evolutionary framework of cultures from the Pathological and the Reactive, through the Calculative or Bureaucratic to the Proactive and Generative cultures are described. The Generative culture is equated with the High Reliability Organisations identified in studies of military and civil high risk operations. Next a model is proposed for how to change organisations in order to acquire a safety culture. Finally the barriers to successful intervention are discussed. These include the nature of bureaucratic organisations, the conflicting goals of regulators, failures of management and the fact that change processes are hard.

Introduction - Why Safety Culture?

Safety is an ubiquitous concept. In some industries, such as commercial aviation, safety is so embedded into the organisation that it can be difficult to see just what the general concept of safety means, so I want to start by expanding the notion. Most people see safety as concerned primarily with the personal well-being of stakeholders, by which I mean all those involved, not just the immediate actors and owners. Some also add the integrity of the business and its assets. While these are necessary preconditions, I view safety, and more specifically safety management, in a more active way. I see the creation of a safe environment as allowing dangerous activities to take place successfully, which means without harm or damage. What this means is that safety is more than a passive and well-meaning notion, such as "Thou shall do no harm". Instead safety is something that has to be actively managed to allow profit or advantage to be gained. The oil and gas industry is one that is naturally dangerous – fire and explosion are natural hazards of the product, mass and power inherent in the means of production. The aviation industry is another; flying is the defiance of gravity and, outside of the Zeppelin, high speeds are also inherent. In both these cases, as well as similar industries, risk is the name of the game. Even an apparently sedentary occupation, such as banking, involves risk and the potential for massive loss. Those organisations that manage their risks best are in place to make the most profit. Those that do not manage so well are either perceived as dangerous or are forced to scale down their operations to achieve acceptable levels of safety.

What has safety culture to do with this? The answer is that there are a number of ways of achieving high levels of safety. These range from having a systematic and highly controlled prescription of all activities in order to exclude the possibility of hazards ever becoming loose, to creating an organisational culture within which everyone is personally involved in ensuring the safety of all concerned, such as DuPont's *interdependent* culture. The term safety culture can be applied to both, but they clearly represent quite different cultures. What has become clear is that there is a natural and evolutionary progression of cultures, first laid out by Westrum (1991), and that the end-point of this progression is what we call a true Safety Culture. What has also become clear more recently is that, while the road to achieving this ideal state is not an

Paper presented at the RTO HFM Workshop on "The Human Factor in System Reliability – Is Human Performance Predictable?", held in Siena, Italy, 1-2 December 1999, and published in RTO MP-032.

CPUC03009

easy one, the benefits to be gained most certainly outweigh the costs of attaining it. In particular there are advantages to be had from actually reducing the time, and especially paperwork, devoted to safety. The reason for this is that much of what takes place in managing safety in earlier stages is the direct result of a failure of trust and a lack of confidence. These shortcomings lead to over-management and, accordingly, more hard work than is necessary.

This paper first examines the notion of a safety culture and attempts to identify the components in a way that is useful. Then I will discuss how one might go about achieving the goal of being a real safety culture. Next I will discuss briefly some of the barriers that are liable to prevent the full development. Finally I will draw conclusions in which the commercial factor again plays a role.

What is a Safety Culture?

Every organisation has some common, internal, characteristics that we call its culture. These characteristics have often become invisible to those inside, but may be startling to outsiders coming from a different culture. The notion of an organisational culture is notoriously difficult to define (Furnham, 1997; Schein, 1992, 1996), so I take a very general approach and see the organisational culture as, roughly "Who and what we are, what we find important, and how we go about doing things round here". Rousseau (1988) defined culture more specifically as "the ways of thinking, behaving and believing that members of a social unit have in common". A safety culture is a special case of such a culture, one in which safety has a special place in the concerns of those who work for the organisation[1].

We can first distinguish culture into its static and its dynamic components. The term *static* refers to what *is*, generally the unchanging values held by the organisation, and the beliefs that permeate its members. The term *dynamic* refers to how the organisation operates, the types of work processes it feels comfortable with. Table 1 shows a set of definitions of the four major components that can be identified as constituting corporate culture (Hudson, 1998). The distinction between common working practices and problem solving methods is not always drawn, but this may be because researchers tend to study companies in either periods of stability or of great change, but not through both. Operating in a stable world highlights the daily working practices, while periods of change are dominated by problem-solving processes. The High Reliability Organisations studied by the Berkeley Group (LaPorte & Consilini, 1991) are characterised by radically different ways of operating under normal and high stress situations.

A safety culture is one in which safety plays a very important role. Because safety is such a complex phenomenon, it is not enough just to add – "And be safe". The next sections examine the characteristics of a safety culture and look at the types of culture that can be recognised as forming a progression along which organisations develop.

The characteristics of a Safety Culture

What does an organisational culture that gives safety a priority look like? Reason (1997) has identified a number of characteristics that go to make up such a safety culture. These are:

- an *informed culture*-one in which those who manage and operate the system have current knowledge about the human, technical, organisational and environmental factors that determine the safety of the system as a whole,
- a *reporting culture*: a culture in which people are willing to report errors and near misses,
- a *just culture*: a culture of 'no blame' where an atmosphere of trust is present and people are encouraged or even rewarded for providing essential safety-related information- but where there is also a clear line between acceptable and unacceptable behaviour and,

[1] In one sense safety *always* has a place in an organisation's culture, which can then be referred to as *the* safety culture. But it is only past a certain stage of development that an organisation can be said to take safety sufficiently seriously to be labelled as *a* safety culture, a *culture of safety*.

- a *flexible culture* which can take different forms but is characterised as shifting from the conventional hierarchical mode to a flatter professional structure.
- a *learning culture* - the willingness and the competence to draw the right conclusions from its safety information system, and the will to implement major reforms when the need is indicated.

The values associated with a safety culture are fairly straightforward. The beliefs are more complex. Taken together the five characteristics form a culture of *trust* and of *informedness*. Trust is needed, especially in the face of assaults upon the beliefs that people are trying their best, such as accidents and near-miss incidents which all too easily look like failures of individuals to come up to the ideals of the organisation. Informedness means that people know what is really happening, lessening the chance of mistakes caused by inappropriate world views. This helps us to identify what beliefs are associated with a safety culture. Table 2 places safety into the framework set in Table 1. Reason's characteristics are the outcome of corporate behaviours driven by the static and dynamic components of the corporate culture, but mostly by beliefs and behaviours rather than values. Organisations with high values may not live up to their own expectations.

Types of Safety Culture

Safety cultures can be distinguished along a line from *pathological*, caring less about safety than about not being caught, through *calculative*, blindly following all the logically necessary steps, to *generative*, in which safe behaviour is fully integrated into everything the organisation does (Westrum & Adamski, 1999; Westrum, 1991; Weick, 1987). A Culture of Safety can only be considered seriously in the later stages of this evolutionary line. Prior to that, up to and including the calculative stage, the term safety culture is best reserved to describe formal and superficial structures rather than an integral part of the overall culture, pervading how safely the organisation goes about its work. It is obvious that, at the pathological stage, an organisation is not even interested in safety and has to make the first level of acquiring the value system that includes safety as a necessary element. A subsequent stage is one in which safety issues begin to acquire importance, often driven by both internal and external factors as a result of having many incidents. At this first stage of development we can see the values beginning to be acquired, but the beliefs, methods and working practices are still at a primeval stage. At such an early stage, top management believes accidents to be caused by stupidity, inattention and, even, wilfulness on the part of their employees. Many messages may flow from on high, but the majority still reflect the organisation's primary aims, often with *'and be safe'* tacked on at the end. One cannot fail to be 'impressed' by the management of Townsend Thoreson and the messages they were sending to their work force in the run up to the Herald of Free Enterprise disaster (Sheen, 1987).

Table 1: Corporate Culture definitions

Culture Component	***Definition***
Corporate Values	What the organisation regards as important or even sacrosanct
Corporate Beliefs	What the organisation believes about the world, how the world will react to actions, what the outside world finds important. Beliefs about what works and doesn't
Common Problem-Solving Methods	How the types of problem found in the organisation are tackled, e.g. project groups, consultants, panic
Common Working Practices	The way people go about their work, e.g. small meetings, lots of memos, project management of everything etc.

Table 2: A Safety Culture defined in terms of the organisational components. Note that the methods and working practices are not restricted to safety, but that safety is intimately involved in the way work is done.

Safety Culture Component	*Definition*
Safety Values	The organisation regards as safety as sacrosanct and provides the licence to operate.
Safety Beliefs	The organisation believes that safety makes commercial sense; that individuals are not the sole causes of incidents; that the next accident is waiting to happen.
Common Problem-Solving Methods	Risk assessment, cost-benefit analyses, accident analysis as well as investigation, proactive search for problems in advance of incidents.
Common Working Practices	Safety integral to design and operations practice, safety #1 on meeting agendas up to Board level, chronic unease about safety.

The next stage, one that I feel can not be circumvented, involves the recognition that safety does need to be taken seriously. The term *calculative* is used to stress that safety is calculated; quantitative risk assessment techniques and overt cost-benefit analyses are used to justify safety and to measure the effectiveness of proposed measures. Such techniques are typical problem-solving methods. Often simple calculations suggest that failing to be safe, or at least having incidents, costs money. Furthermore organisations that are seen from outside as being uncaring about safety may have image problems that knock on to the bottom line. Despite this stance, and despite what can become an impressive safety record, safety is still an add-on, certainly when seen from outside.

Table 3: Westrum's original model.
The Reactive and the Proactive stages have been added more recently and articulated in our work in the Oil and Gas industry. Table 5 shows an extended and more practical version that was worked out, in co-operation with Westrum, with the addition of the Reactive and Proactive stages.

Pathological	Bureaucratic	Generative
Information is hidden	Information may be ignored	Information is actively sought
Messengers are "shot"	Messengers are tolerated	Messengers are trained
Responsibilities are shirked	Responsibility is compartmented	Responsibilities are shared
Bridging is discouraged	Bridging is allowed but discouraged	Bridging is rewarded
Failure is covered up	Organisation is just and merciful	Failure causes enquiry
New ideas are crushed	New ideas create problems	New ideas are welcomed

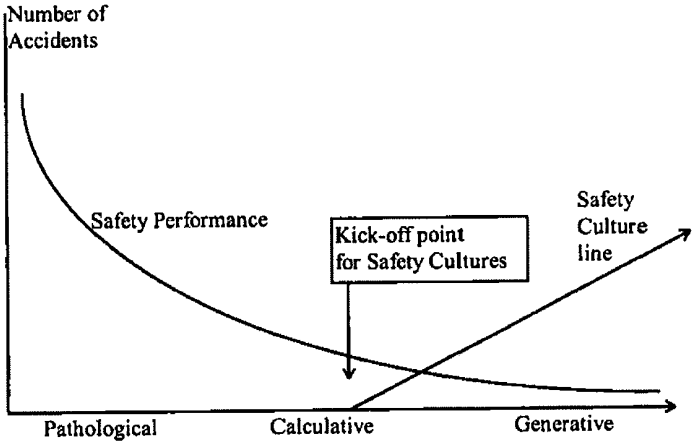

Figure 1: The safety performance will improve as the culture matures, but there can only start to be talk of a Safety Culture once the calculative stage has been passed

The foundation can now be laid, nevertheless, for acquiring *beliefs* that safety is worthwhile in its own right. By constructing deliberate procedures an organisation can force itself into taking safety seriously, or can be forced by a regulatory body, but the values are not yet fully internalised, the methods are still new and individual beliefs generally lag behind corporate intentions. This shows us a significant characteristic of a true safety culture, that the value system associated with safety and safe working has to be fully internalised as beliefs, almost to the point of invisibility, and that the entire suite of approaches the organisation uses are safety-based (Rochlin et al, 1987). What this also stresses is that the notion of a safety culture can only arise in an organisational context within which the necessary technical steps and procedures are already in place and in operation. Yet again, these are necessary but not sufficient preconditions for a safety culture (LaPorte & Consolini, 1991, Laporte, 1996, Turner & Pidgeon, 1997).

Table 4 breaks down general organisational cultures into more detail. The internals may be reflected at any cultural level, so managerial style will vary from pathological through to generative (see below). The Walk/Talk headings are intended to distinguish the more passive from the active components. Filling in these components helps define how a culture appears and how a culture should be. The next section discusses a progression of cultures.

**Table 4: The Safety Culture dimensions and internal structure.
These are filled in with different descriptions for each level of the safety culture attained.
For each cell it should be possible to think in terms of the values,
beliefs and practices that apply. This is done in Table 5.**

TALK **Communication**	**Organisational Attitudes**	WALK **Safety**	**Organisational Behaviour**	**Working Behaviour**
Flow of data and information about safety	Workforce attitudes to management	Organisational status of safety Department	Managerial style and behaviour	Priority setting between production and safety
Management informedness about the true state of affairs	Management attitudes about the workforce	Rewards of good safety performance	Level of care for stakeholders	Risk appreciation by those at personal risk
Workforce informedness about the true state of affairs	Collective efficacy – the belief that people can get things done	Procedures and the use of initiative	Dealing with change	On-site behaviour by the workforce and management
		Design – safety as a starting point	Reaction to trouble when it happens	Environment seen as critical

Described in this way we can see how crucial is the notion of belief. The overt knowledge about safety, taken together with a set of values, may still not be enough when difficulties arise, although in easy times behaviour may be exemplary. In the last resort what drives a person, and I would argue an organisation, is less their knowledge than their beliefs. When knowledge clashes with belief the more deep-seated is likely to come out on top as the driver of behaviour, and beliefs, even as articles of unjustified faith, are more deep seated than any rationally acquired knowledge. The latter may be easily disproved or set aside, belief is much harder both to induce and, then, to shift.

The final stages, identified by Westrum in his studies on high reliability organisations and labelled *generative*, involve a much more proactive approach to safety. Whereas the calculative stage represents a reactive approach, using past experience to determine future behaviour, the generative approach may be characterised by a much more internalised model of *good practice* as its driver. This model becomes internalised as a set of beliefs about why and how the organisation operates, about what is the best way to do things. Assumptions about the *need* to be safe are unquestioned; everything else, in contrast, is open for discussion and improvement. A characteristic of this stage is the lack of complacency, even in the face of a dearth of accidents. This has been labelled *chronic unease*, which sums up the pessimistic stance that just because everything has gone well is just an indication that what is about to happen will be a new experience. Fortunately, chronic unease is balanced by optimistic presumption that what *does* happen can be faced and coped with. It does not imply shrinking from challenge, not pessimism elsewhere in the organisation. The generative stage can be equated to the High Reliability Organisations studied by the Berkeley Group (Rochlin et al, 1987; LaPorte & Consolini, 1991; Weick & Roberts, 1993).

One crucial difference between this stage, and prior stages in the evolution of a safety culture, is that the human factor is considered to include both the individual and the organisation. The model of human behaviour has shifted from one in which workers have to be driven, and are not to be trusted, to a more mature understanding of what makes people tick. It is only at this point that it becomes possible to understand that establishment of a safety culture is still not enough, on its own, to counter all human error because such errors may be outside of the control of the immediate perpetrator.

This review suggests that the safety culture concept includes much more than just thinking that safety is important. Work practices and overt priorities not only include safety, but the whole way in which unsafe work is perceived reflects a major shift of point of view. This shift is from regarding individuals as a source of problems for an otherwise perfect organisation to one in which organisations can cause and cure their own problems by using the people who make them up.

Table 5: A more detailed set of descriptions of the different types of safety culture. HSE is Health, Safety and Environment. This table was defined for the Oil and Gas industry and hasserved as a reliable discrimination test.

	PATHOLOGICAL	REACTIVE	CALCULATIVE	PROACTIVE	GENERATIVE
COMMUNICATION	Nobody is informed, no feedback, everybody is passive, no care/ knowledge about safety, don't see(k) or ask the problem, collect what is legally required.	Management demands data on HSE failures, denial until forced to admit, top-down flow of information, bottom-up incidents, lots of statistics nobody understands, safety hot issue after accident.	Environment of command and control by management, lots of HSE graphs, statistics but no follow up, info goes top-down, failures bottom-up, little top-down feedback, toolbox meetings, procedures exist but are only once read. Action is delayed after knowledge.	Management goes out and seek, discuss for themselves they know what to change and how to manage, the feedback loop (bottom-up and top-down) is closing at supervisory level safety topics become part of other meetings, asked for by workforce, they need detail to understand WHY accidents happen.	No threshold between management-workforce, management participates/shares activities (dialogue), HSE is nr 1, all feedback loops are closed, safety is integrated in other meetings; no special safety meetings required, workforce keeps itself up-to-date, they demand information so they can prevent problems.
ORGANISATIONAL ATTITUDES	No believe or trust, environment of punishing, blaming and controlling the workforce.	Failures caused by individuals. No blame but responsibility, workforce needs to be educated and follow the procedures, management overreacts in eyes of workforce.	Workforce is more involved, little effect on procedures, designs, practices workforce does not understand the problem, management is seen as obsessive with HSE, but they don't 'mean' it. (Walk-talk).	Workforce involvement is promoted but ruled/organised by supervisory staff which is obsessed by HSE statistics.	Management is recognised as a partner by workforce, management respects workforce, management has to fix systematic failures, workforce has to identify them.
HSE	No HSE status, HSE issues are ignored, minimal requirements, no rewards on good performance, safety is inherited bur not known, reliance on experience.	Meets legal req. collects statistics but no follow up, design is changed after accidents, procedures are rewritten to prevent previous accidents no update or improvements.	HSE well accepted, advisor collects data and creates own statistics, HSE rewards for positive and negative performance, design: quantitative methods, procedures to solve unsolved problems, standard procedures preferred from the shelf, large numbers of procedures but few checks on use/knowledge.	Separate line HSE advisors promoting improvement, but try to reduce the inconvenience to line, for good HSE initiatives there is career enhancement for Sr. staff, HSE is in the early stages of design, procedures are rewritten by workforce, integration with competency, complaints about externally set targets.	HSE department is a small, advising the management on strategy, group, no special rewards, individual pride, procedures are written by workforce, continuous improvement, small numbers of procedures are integrated in training.
ORGANISATIONAL BEHAVIOUR	Denial anything is wrong, avoids HSE discussions, management is hierarchical and stagnant to changes, focus on profits not on workforce, workforce has lots of freedom-> mn don't care.	Man. Holds workforce responsible for failures, overreacting, management. States that it takes safety seriously, but is not always believed by workforce.	Detail focussed/playing with numbers, believe company is doing well in spite of contrary, targets are not challenged, inability to admit solutions may not work the first time.	Management knows the risks, interested in HSE, takes culture into account, safety priority over production which leads to incompatible goals, lots of management walk-abouts, communication and assessments about accidents and near-misses and their consequences.	Safety is equal to production, enthusiastic communication between workforce and management and vv, workforce has a lot of freedom-> trust.
WORKING BEHAVIOUR	Workplace is dangerous, messy, no (legal) health requirements, management does not CARE and does not KNOWS.	Basic leg. Requirements implemented, housekeeping is temp. Improved when inspection comes, management KNOWS but not always CARES.	Clean and tidy working environment, housekeeping is very important (prizes), Management CARES but not always KNOWS.	Management CARES and KNOWS, discussion about prioritisation, time and resources are available for sit improvements even before accidents happen.	Management CARES and KNOWS, workforce furnishes its own environment, management passes the experience around to other sites

How can you achieve a Safety Culture?

We have been studying the safety culture of organisations in the oil and gas industry and it is clear that, to progress, one has to undergo a process of cultural change. These changes have to take place incrementally. It appears logical, at least, that it is impossible to go straight from the reactive to the proactive without going1 through the calculative stage because the proactive culture includes systems typical of the calculative. Similarly it is probably impossible to go from the pathological straight to the calculative stage.

Change Management

What has to be done for an organisation to develop along the line towards the generative or true safety cultures is a managed change process. The next culture defines *where* we want to go to, the change model determines *how* we get there. A model for developmental change has been proposed by Prochaska and DiClemente (1995). This model was originally developed for getting people off drug and other dependencies such as smoking, alcohol and over-eating. It proposes that there are five stages that the authors have identified. These stages are:

- **Precontemplation** – Not yet at a stage of considering the need for change. In safety terms a complacent belief that what can be achieved has been achieved. Coupled with the belief that further improvement is 'not possible in this business'.
- **Contemplation** – A stage at which the realisation is arisen that further improvement is possible. There is no actual change in behaviour and no steps are taken. Nevertheless the possibility of improvement is entertained.
- **Preparation** – Active steps are taken to prepare for change (in smoking this would be characterised by trying not to buy cigarettes, by not maintaining a stock; in dieting this might involve avoiding certain eating situations, but in both cases without actually smoking or eating less). Characterised by much backsliding.
- **Action** - The stage when the practice built up in the preparation stage is put to work. The beliefs are now that it is important and possible to stop the addictive behaviour. This stage needs to be actively supported while the pull to slide backwards is actively countered (in contrast to the previous stage when backsliding is characteristic).
- **Maintenance** – This stage is vital in maintaining a new, lower baseline of behaviour. This stage needs to be kept up and can often be lost with reversion to the behaviour characteristic of preparation and action.

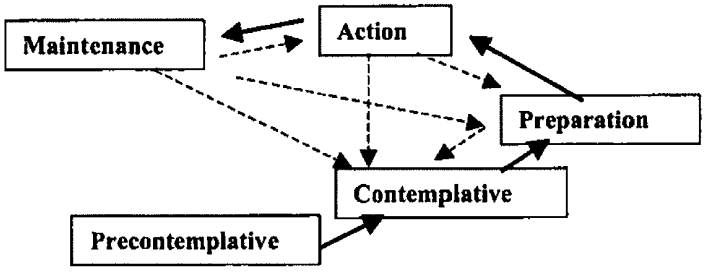

Figure II: Prochaska & DiClemente's change model. The dotted lines denote possible ways to fall back. Note that it is not possible to revert as far as the pre-contemplative mode once one has become aware. The remaining stages are, however, unfortunately quite possible as anyone who has tried to give up smoking knows.

Figure II shows the basic set of transitions from precontemplative through to maintenance, with back-sliding as dotted lines. The step back to precontemplative is not possible (i.e. the values remain intact, but beliefs in the possibility of meeting them may be severely damaged). What is contemplated will be different at each stage of safety culture, so the transition from proactive to generative includes concepts, values and beliefs incomprehensible to those at lower stages. The application of this transition process leads to a spiral when we take safety culture into account.

What is important in this model is the recognition of which stage a patient finds themselves in and the methods available to shift them through the transition from one stage to the next. The stages will require the definition of tools to determine which stage individuals and groups (in organisations) are currently in. The *transitions* that have to be made will require change tools. The term stage is used to refer to one of these treatment situations. A transition takes place between stages.

A Change Model for Organisations

A more articulated model, based upon the simpler Prochaska & DiClemente model, has been developed for managing successful change within organisations rather than individuals. This model, shown below in Table 6, puts together the requirements for change of belief that are so crucial in cultural development. What we have learned is that awareness is not enough, the creation of need and belief in the value of the outcome is equally vital in ensuring a successful process

The model, which has been recently developed in research for Shell International (Hudson et al, 2000), is very similar to any quality system Plan-Do-Check, but the internals of the stages, especially the Awareness and Planning stages, are often missed or treated very summarily. All too often, the active participation of those involved, in the awareness and planning stages, is replaced by a plan of action defined elsewhere. Such plans typically come from senior management, external corporate departments or consultants. What are needed are: (I) the creation of a personal need to change, (II) a belief in the ability to effect such change and (III) the clear understanding that individuals have control over their own process. These are factors that have been repeatedly found in the literature on motivation to influence final outcomes positively. It is just these factors we feel get to the Hearts and Minds of the workforce. When the beliefs and values associated with a new (and hopefully better) state have been assimilated and internalised, then the change has really taken place. This model can apply to safety, but it can also apply to Cost Leadership or any other desirable development in an organisational environment.

Table 6: The articulated Change Model for Organisations. Prochaska and DiClemente's original five stages are elaborated to 14 to cover the details required in real settings.

Pre-contemplation to Contemplation - AWARENESS

- *Awareness* – Simple knowledge of a 'better' alternative than the current state
- *Creation of need* – Active desire to achieve the new state
- *Making the outcome believable* – believing that the state is sensible for those involved
- *Making the outcome achievable*- making the process of achieving the new state credible for those involved
- *Information about successes* - provision of information about others who have succeeded
- *Personal vision* - definition by those involved of what *they* expect the new situation to be

Contemplation to Preparation - PLANNING

- *Plan construction* - creation by those involved of their *own* action plan
- *Measurement points* - definition of indicators of success in process
- *Commitment* - signing-up to the plan of all involved

Preparation to Action - ACTION

- *Do* - start implementing action plan
- *Review* - review progress with concentration upon successful outcomes
- *Correct* - reworking of plan where necessary

Maintenance - MAINTENANCE

- *Review* - management review of process at regular (and defined in advance) intervals
- *Outcome* - checks on internalisation of values and beliefs in outcome state

What are the barriers to success?

If there were no barriers, the development of a safety culture would never form a problem and safety cultures would abound. Why, then, do attempts fail? The reasons are to be found in the beliefs and practices that characterise an organisation and its members. In many cases organisations will naturally limit their development unless active steps are taken. In the worst cases organisations may actually revert. As all organisational cultures past the Pathological hold safety high in their value systems, reversion may appear to the participants to be less significant than it actually is.

Bureaucratic Cultures

One major reason is that the bureaucratic culture associated with the calculative safety culture is a powerful and comfortable one. An organisation that has struggled to be come proactive may easily revert, especially in the face of success. Generative organisations have many characteristics that are essentially anti-bureaucratic; the hierarchical structures break down under high-tempo operations (LaPorte & Consilini, 1991). What this demonstrates when it happens is that the beliefs, usually of top management, have never really moved on. The move from proactive to generative is also hard to make because, while the calculative and proactive stages may be fairly easy to identify and therefore acquire, the generative stage is more elusive. In a sense every calculative organisation will be the same, or at least very similar, despite differences in the tasks such organisations face. A generative organisation, in contrast, will be structured in ways specific to the tasks it has to accomplish. Therefore every generative organisation is likely to be subtly different from every other one. This makes it much harder to define where one is going when trying to transit from proactive to generative. It also makes it much easier to succumb to the temptation to prefer a well-defined organisation structure over a process that is much harder to regulate.

Regulators and the Law

The Regulator, possibly surprisingly, forms a barrier to development. This will not be the case in the earlier stages, going from pathological to reactive and on to calculative. The later stages will be harder because they often involve dropping just those facets, such as specialised safety staff and extensive management systems, that regulators require (by law) and that got the organisation there in the first place. Regulators are, with some honourable exceptions, more inclined to the letter than the spirit of the law. This can mean that an experimental improvement, typical of generative and proactive organisations, may well be actively discouraged. The fact that things might well get better is often irrelevant to the legal mind. The simplest remedy for this problem is what is called a goal-setting regime, such as is found in the many offshore oil and gas industries.

The problem faced by an enlightened regulator is that the law allows few distinctions based upon track record in the face of outcomes (Hudson, in prep). What we are looking for is a regulatory regime that is measured against the aspirations of organisations and the degree to which they attempt to attain them. In this sort of regime setting almost impossible standards is laudable, while failing to meet them is not necessarily reprehensible. What counts is the activity and the whole-hearted commitment. In such a regulatory regime meeting low standards might well attract more attention from the regulator than failing to meet high standards. While such enlightened regulatory regimes do not exist, regulators may remain a block to progress by the best.

Management Failure

Changes in top management, or management's priorities, at critical periods, may prove fatal to the successful transition to a higher safety culture. A cultural change is drastic and never takes place overnight. If a champion leaves, there is often no-one to take up the fight and the crucial top-down impetus is lost. But even without a personnel change there are two threats to the successful transition to a higher level of safety culture. One is success, the other failure. In the case of success, effective processes, tools and systems may be dropped, because the problem is perceived to have gone away. In the case of failure, old-fashioned approaches may be retrieved on the grounds that they worked before. But in both of these cases the new, and often fragile, beliefs and practices may not have become sufficiently internalised.

A common problem in organisations that are struggling on the borderline between the calculative and the proactive/generative levels is success. Once significant improvements in outcome performance have been achieved management 'take their eyes off the ball' and downgrade efforts on the grounds that the problems have been solved. But this is behaviour typical of the reactive stance and represents a reversion. Management have to be truly committed to the maintenance of an advanced culture in the face of success, and such commitment is rare.

Change is hard

One underlying reason why cultural change often fails to succeed is that the new situation is unknown to the participants. If this is added to existing beliefs, such as the belief that the current situation is as good as it gets, then there is little real need to change and failure is almost certain. If these failures are at the level of the workforce, then strong management commitment may save the day. If the problems lie with management, then there is little hope because they will enforce the old situation, which feels most comfortable, on the most proactive of workforces. A colleague (G. Old, Pers. Comm.) has likened this to learning a new golf swing by changing the grip and the stance. At first the new position hurts, the old grip position much more comfortable. It takes time before the benefits of a new grip and the altered stance come through, you have to trust the pro, but you have to do the work! One advantage of this metaphor is that managers often play golf and can transfer their experience of learning a new swing to learning to manage an advancing culture. Change agents are like golf professionals, they can help develop a person's game, but they can't play it for them.

Conclusion

The discovery that a safety culture pays is crucial. One way a safety culture pays off, as the levels of trust improve, is in the quality of communication between management, and the rest of the company. As this is always pointed to as a source of problems, having a definitive focus for improving communication can only result in improved performance at all levels. Another way a safety culture pays is in the reduction in time and paperwork devoted to checking whether elementary safety-related actions are carried out. The other main reason why safety makes money lies in the fact that, if one has a guarantee of safety, then one can devote resources more effectively. What costs money is not safety, but bad safety management. Once the management of an organisation realises that safety is financially rewarding and that the costs incurred have to be seen as investments with a positive return (Hudson & Stephens, 2000), the road to a full safety culture should be open.

Given the financial inducements, why don't organisations try and develop the most advanced forms of safety culture? The answer seems to be contained in the type of culture the organisation is at the time. Pathological organisations just don't care. Reactive organisations think that there is nothing better and anyone who claims better performance is probably lying. They do what they feel is as good as can be done. Calculative/Bureaucratic organisations are hard to move because they are comfortable, even if they know that improvement is possible. The more advanced cultures, either Proactive or Generative, are probably easier to attain with small organisations. Large ones will inevitably be heavily bureaucratic unless active steps are taken to counter that tendency.

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From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Friday, March 01, 2013 6:00 PM
To: 'ejhagan@sbcglobal.net'; Clanon, Paul; King, Paul; Lindh, Frank; 'Laura Doll'
Subject: RE: Safety Symposium

No attachment, unfortunately.

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability Safety and Enforcement Division California Public Utilities Commission
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-----Original Message-----
From: Brig General (CA) Jack Hagan [mailto:ejhagan@sbcglobal.net]
Sent: Friday, March 01, 2013 5:28 PM
To: Clanon, Paul; King, Paul; Lindh, Frank; Malashenko, Elizaveta I.; Laura Doll
Subject: Fw: Safety Symposium

If attachment does not go through let me know and I will re send later in the weekend.
BG H
------Original Message------
From: Capt Jody Bridges
To: Hagan, Jack (Brigadier General - CA)
Subject: RE: Safety Symposium
Sent: Mar 1, 2013 13:15

Oops.. didn't attach the first time. V/r -----Original Message----- From: Bridges, Jody G CAPT NASC, N3E Sent: Friday, March 01, 2013 2:58 PM To: 'Hagan, Jack (Brigadier General - CA)' Subject: RE: Safety Symposium General, Would love to attend, if on California's dime...as you know CR and Sequestration is hitting our travel budget. You can count me in. I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested but I think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monter rey. Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use. Below is contact info for potential panel members: Former Director of School of Aviation Safety Robert Conway Manager of Quality Engineering at The Walt Disney Company Aerospace Safety Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical University All I have is his email...Bob.E.Conway@disney.com Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course. BIO: http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html Mobile: 832-289-4274 or 850-525-8940 Email: kdcameron37@aol.com Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC. 1193 10th Street Suite Monterey, CA (California) 93940 Monterey County / Region United States Phone (831) 641-9700 Toll Free Phone (800) 960-7104 F

ax(408) 228-8018 Former Director of School of Aviation Safety Kenneth P. Neubauer Technical Director, Aerospace Safety Futron Corporation 4410 E. Claiborne Sq., Suite 334 Hampton, VA 2366 Office: (800) 807-4927, x7317 Mobile: (757) 293-8438 http://www.futron.com/safety_n_risk.xml Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend. V/r Caveman -----Original Message----- From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov] Sent: Friday, March 01, 2013 1:31 PM To: Bridges, Jody G CAPT NASC, N3E Cc: ejhagan@sbcglobal.net Subject: Safety Symposium Caveman, How would you like to come to San Francisco 7-8 May and be on a panel at my first Safety Symposium to speak on climate and culture as it effects safety. The Audience would be the presidents, CEO's, a nd board of directors of the gas companies in California and the Californian Public Utilities Commission Commissioners. About 100 people. Who else would you recommend be on this panel? We have Capt Sullenberger as a quest speaker. We will pay your freight. Separate item: Where can I send my people to good accident investigation training and where is the format for an accident investigation not the JAG manual investigation, but mishap investigation? I am trying to establish a two track investigation process: Safety investigation with privileged information and a separate punitive investigation for responsibility. Let me know what you think and I hope to see you in May. Semper Fi, BG H Brigadier General (CA) Emory J. Hagan, III Director, Safety and Enforcement Division California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102 (916) 267-7201 ejh@cpuc.ca.gov My mission: "No one dies on my watch!" "No better friend - No worse enemy!" Please Note: Effective

1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.

Brigadier General (CA) Jack Hagan
(916) 267-7201 Mobile

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Saturday, March 02, 2013 3:25 PM
To: emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
Subject: Symposium hotel issues

General
Looks like you were busy on symposium outreach yesterday -- we really appreciate and welcome your active engagement.

I'm sure you are already thinking about someone to handle logistics from the CPUC as we move forward. You mentioned Kim Malcolm, for one. It will be good to have that person involved from the start if at all possible in the hotel arrangements, as well as the invitation tracking and responses. You mentioned an on-site visit to the Hyatt next week. Both Jane Yura and I are away from SF on Monday and Tuesday. Wednesday and Thursday are good days for me, if it works out then for the Hyatt and for you.

Regards,
Laura

-----Original Message-----
From: david.nadelman@hyatt.com [mailto:david.nadelman@hyatt.com]
Sent: Saturday, March 02, 2013 6:32 AM
To: ejhagan@sbcglobal.net
Cc: Doll, Laura; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Safety Symposium

Hello Jack and thank you for thinking about us. I will have one of our folks contact you or your designee on Monday if that's ok.
Best regards
David

On Mar 1, 2013, at 5:19 PM, "Brig General (CA) Jack Hagan" <ejhagan@sbcglobal.net> wrote:

> David,
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> Would like use your property as the venue for our first of a series of safety symposiums on 7-8 May. Audience is 100-110 Presidents, CEO's, Board of Directors, and other top senior executives in the gas industry in California, plus the 5 commissioners from the California Public Utilities Commission.
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> This will a closed by invitation only event.
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> Can you help us out?
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> Brigadier General (CA) Jack Hagan
> (916) 267-7201 Mobile
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Saturday, March 02, 2013 3:57 PM
To: Brig General (CA) Jack Hagan; emory.hagan@cpuc.ca.gov
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
Subject: RE: Symposium hotel issues

Thursday is best! Thanks

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From: Brig General (CA) Jack Hagan [mailto:ejhagan@sbcglobal.net]
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To: Doll, Laura; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
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Laura,

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Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejhagan@sbcglobal.net

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From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Saturday, March 02, 2013 15:25
To: emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Saturday, March 02, 2013 6:44 PM
To: ejhagan@sbcglobal.net; emory.hagan@cpuc.ca.gov
Cc: elizaveta.malashenko@cpuc.ca.gov
Subject: FW: GAO Report About Pipeline Safety

You may already be aware of this recent GAO report about pipeline safety, but if not, there's a link below and a brief summary from the AGA.

At one point in our symposium discussions, we thought that the report's author, Susan Fleming, Director, Physical Infrastructure Team for the GAO, might be worth inviting to speak. Given the likelihood that we will have a panel on emergency response, perhaps this report and the GAO person might be relevant? GAO says that PHMSA should be gathering data nationwide about operators' response times following pipeline ruptures so the agency can determine how quickly pipeline operators should respond.

From: Yura, Jane
Sent: Wednesday, January 23, 2013 4:15 PM
To: Doll, Laura; Ramaiya, Shilpa R
Subject: RE: GAO Report About Pipeline Safety

Here's the portion AGA sent in emphasis to members this morning.
Jane

To: Operation Safety and Regulatory Action Committee (OSRAC), Gas Control Committee (GCC), Distribution and Transmission Engineering (DTE), and Transmission (TC) Committees

Re: Jan 2013 GAO Report – "Better Data and Guidance Needed to Improve Pipeline Operator Incident Response"

The General Accountability Office (GAO) today released a report which was mandated by congress in the Pipeline Safety Act of 2011. The report examines the ability of transmission pipelineS operators to respond to an incident tied to a hazardous liquid or natural gas release.

Here is an excerpt from the report summary:

...."GAO has previously reported that a performance-based approach—including goals and associated performance measures and targets—can allow those being regulated to determine the most appropriate way to achieve desired outcomes. In addition, several organizations in the pipeline industry have developed methods for quantitatively evaluating response times to incidents, including setting specific, measurable performance goals. While defining performance measures and targets for incident response can be challenging, PHMSA could move toward a performance-based approach by evaluating nationwide data to determine response times for different types of pipeline (based on location, operating pressure, and pipeline diameter, among other factors). However, PHMSA must first improve the data it collects on incident response times. These data are not reliable both because operators are not required to fill out certain time-related fields in the reporting form and because operators told us they interpret these data fields in different ways. Reliable data would improve PHMSA's ability to measure incident response and assist the agency in exploring the feasibility of developing a performance-based approach for improving operator response to pipeline incidents".

...."The primary advantage of installing automated valves is that operators can respond quickly to isolate the affected pipeline segment and reduce the amount of product released; however, automated valves can have disadvantages, including the potential for accidental closures—which can lead to loss of service to customers or even cause a rupture—and monetary costs. Because the advantages and disadvantages of installing an automated valve are closely related to the specifics of the valve's location, it is appropriate to decide whether to install automated valves on a case-by-case basis. Several operators we spoke with have developed approaches to evaluate the advantages and disadvantages of installing automated valves"...

From: GAO Webmaster [mailto:webmaster@GAO.GOV]
Sent: Wednesday, January 23, 2013 2:10 PM
To: TRANSPORTATION-S@LISTSERV.GAO.GOV
Subject: GAO Reports About Transportation

January 23, 2013

The Government Accountability Office (GAO) today released the following reports, testimony, and correspondence:

LETTER REPORT

Pipeline Safety: Better Data and Guidance Needed to Improve Pipeline Operator Incident Response, GAO-13-168, January 23
http://www.gao.gov/products/GAO-13-168

The latest information from GAO is available at http://www.gao.gov

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Sunday, March 03, 2013 9:03 AM
To: ejhagan@sbcglobal.net; emory.hagan@cpuc.ca.gov
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Symposium hotel issues

That works for me. Wednesday at 5 also works.

----- Original Message -----
From: Brig General (CA) Jack Hagan [mailto:ejhagan@sbcglobal.net]
Sent: Sunday, March 03, 2013 07:38 AM
To: Doll, Laura; emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Symposium hotel issues

I am in Sac on Thursday, So to do Thursday it will have to be late Thursday afternoon like 5?

BG H

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejhagan@sbcglobal.net

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From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Saturday, March 02, 2013 15:57
To: Brig General (CA) Jack Hagan; emory.hagan@cpuc.ca.gov
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, March 08, 2013 11:13 AM
To: 'julie.halligan@cpuc.ca.gov'; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich
Subject: Canceled: CPUC Safety Symposium -- Status meeting

Importance: High

Update 3/8/13: This call is cancelled due to most participants travelling today. Thank you.

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Friday, March 08, 2013 7:15 PM
To: Hagan, Jack (Brigadier General – CA); Doll, Laura
Cc: ejhagan@sbcglobal.net
Subject: Symposium update

General Hagan and Laura,

I talked to Frank Lindh and Terrie Prosper today about the symposium (the conversation was triggered by an inquiry from the media that we received on this). A few takeaways came out of the meeting:

(1) Frank advised that we should not have an arrangement where we have two contracts with the Hyatt (one to be payed by PG&E and another by the CPUC). He suggested that PG&E (and other utilities, if they want to contribute) pay and we should follow the usual meal reporting procedure for the food.

(2) Frank confirmed that if we have more than two Commissioners attending at the same time then we have to make the meeting open. If we want to keep it "invitation only", we need to make sure that we don't have more than two Commissioners in attendance at any given time.

(3) Frank and Terrie wondered if General Hagan would be ok with giving a summary of lessons learned from the symposium at a Commission meeting as part of a safety update. We assume it's ok, but would like General Hagan to confirm.

Laura - it would be great if you can send Terrie Prosper and I the latest agenda/symposium summary, so that Terrie can use it to draft a media response. Terrie and Frank may also have suggestions for us of how we should describe the symposium to help with a justification for keeping it "invitation only".

Please let me know if you have any questions.

Regards,

Liza

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, March 08, 2013 8:16 PM
To: elizaveta.malashenko@cpuc.ca.gov
Cc: Yura, Jane
Subject: Re: Symposium update

Liza
Well this raises a number of issues that are far from worked out, but it surely is nice to have your involvement and this list of questions. (And I know you hope to pass this off!)
This is new for all of us. Did Gen Hagan sign the contract with the Hyatt? I had hoped that all commissioners could be there since there would be no decisions or cpuc proceedings discussed. Sounds like the "invitation only" restriction is the pivotal issue.

After Gen Hagan responds, perhaps we could get together next week with frank and terrie and try to resolve these questions or figure out next steps?

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Friday, March 08, 2013 07:15 PM
To: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>; Doll, Laura
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Cc: Yura, Jane
Subject: Re: Symposium update

Sent too soon. I meant to add "figure out next steps" at the end. I'm surprised about a media inquiry at this very tentative stage of planning, but we need to resolve these issues regardless.
Thanks for following up and sharing this.

From: Doll, Laura
Sent: Friday, March 08, 2013 08:15 PM
To: elizaveta.malashenko@cpuc.ca.gov <elizaveta.malashenko@cpuc.ca.gov>
Cc: Yura, Jane
Subject: Re: Symposium update

Liza
Well this raises a number of issues that are far from worked out, but it surely is nice to have your involvement and this list of questions. (And I know you hope to pass this off!)
This is new for all of us. Did Gen Hagan sign the contract with the Hyatt? I had hoped that all commissioners could be there since there would be no decisions or cpuc proceedings discussed. Sounds like the "invitation only" restriction is the pivotal issue.

After Gen Hagan responds, perhaps we could get together next week with frank and terrie and try to resolve these questions or figure out next steps?

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Friday, March 08, 2013 07:15 PM
To: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>; Doll, Laura
Cc: ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>
Subject: Symposium update

General Hagan and Laura,

I talked to Frank Lindh and Terrie Prosper today about the symposium (the conversation was triggered by an inquiry from the media that we received on this). A few takeaways came out of the meeting:

(1) Frank advised that we should not have an arrangement where we have two contracts with the Hyatt (one to be payed by PG&E and another by the CPUC). He suggested that PG&E (and other utilities, if they want to contribute) pay and we should follow the usual meal reporting procedure for the food.

(2) Frank confirmed that if we have more than two Commissioners attending at the same time then we have to make the meeting open. If we want to keep it "invitation only", we need to make sure that we don't have more than two Commissioners in attendance at any given time.

(3) Frank and Terrie wondered if General Hagan would be ok with giving a summary of lessons learned from the symposium at a Commission meeting as part of a safety update. We assume it's ok, but would like General Hagan to confirm.

Laura - it would be great if you can send Terrie Prosper and I the latest agenda/symposium summary, so that Terrie can use it to draft a media response. Terrie and Frank may also have suggestions for us of how we should describe the symposium to help with a justification for keeping it "invitation only".

Please let me know if you have any questions.

Regards,

Liza

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, March 11, 2013 1:57 PM
To: 'Laura Doll (LRDD@pge.com)'; 'Yura, Jane'; Malcolm, Kim
Subject: Symposium

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, March 11, 2013 1:57 PM
To: Malashenko, Elizaveta I.
Subject: Accepted: Symposium

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, March 11, 2013 2:15 PM
To: 'Malashenko, Elizaveta I.'
Subject: Accepted: Symposium

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Monday, March 11, 2013 5:55 PM
To: Doll, Laura; Kim Malcolm; Malashenko, Elizaveta I.
Subject: FW: Hyatt Regency San Francisco - Natural Gas Safety Symposium

How many rooms do we need and do we have any flex with Hirschman (sp) and her schedule? I will set something up to visit them on Thursday

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Monday, March 11, 2013 2:16 PM
To: ejhagan@sbcglobal.net
Cc: Hagan, Jack (Brigadier General – CA)
Subject: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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[illegible]
[illegible]

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, March 11, 2013 7:04 PM
To: jlane; jerry . schmitz; Doll, Laura; wds2texas; Jim Hall; Bob Chipkevich; pgoelz@oneillandassoc.com; Kim.Malcolm@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Subject: CPUC Safety Symposium Update -- action/next steps
Attachments: Copy of CPUC Safety Symposium Invitation list 031113.xlsx

Hello team, Here is the latest update/work in progress for the May 7-8 Symposium.

- Venue is being finalized (Grand Hyatt San Francisco)
- Draft agenda with speakers attached (tab 2) – thank you for your comments; we need to fill in the blanks, get confirmation from some speakers on availability. I have made assignments to you for some of these confirmations (pls let me know if you need assistance)
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- Other logistics (costs, etc...) are being worked out after we have the estimates

We have our weekly call scheduled for this Friday, and will be joined by Kim Malcolm and Liza Malashenko, who work for General Hagan, and will be taking the lead. Pls let me know if you have questions in the meantime.

Thanks,
Jane

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May 7-8 CPUC Safety Symposium

Forging a New Vision of Safety in California

Grand Hyatt, Union Square, San Francisco

Day 1: May 7, Tuesday		Notes
1:30	General Hagan Opens, Welcome	Video message: Gov. Brown
2:00	Chairman Hersman gives Keynote	about 30 min
--	(some time for panel 1 to come up following)	
2:45	Panel 1: Safety Lessons from other industries	Intro Panel; first 2 speakers 20 min each
3:30	break	coffee/refreshments
3:50	Panel 1: Safety Lessons from other industries	Second 2 speakers 20 min each; Q&A
4:45	General Hagan concludes Tuesday session	
6:00	Invitation: Social	
6:45	Invitation: Dinner	
7:30	Speaker: Captain Sully Sullenberger	Jim Hall Intro Captain Sullenberger

Day 2: May 8, Wednesday		
8:00	Coffee, light continental available	
8:30	General Hagan Opens, Welcome	
8:40	Panel 2: Leading Safety as a Regulatory Agency: from the perspective of a regulator, of a utility	Intro Panel; 10 min each; Q/A
10:10	Break	coffee/refreshments
10:30	Panel 3: Elements of an Effective Pipeline Emergency Response	Intro Panel; 15 min each; Q/A
12:00	Lunch	
12:40	Speaker: President Peevey (?)	

1:00 Conclude Symposium - General Hagan

Approx Count	
CPUC	20
SouthW	13
SEMPRA	19
PGE	29
Industry	26
Govt, Others	14
	121

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, March 11, 2013 8:32 PM
To: emory.hagan@cpuc.ca.gov; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Cc: Yura, Jane
Subject: Re: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hersmann is available that Tuesday. Her time that day may be flexible, but its my understanding that she has to leave the next day.

I think that it would be good to have a block of at least 75 rooms if we could get them.

From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Monday, March 11, 2013 05:54 PM
To: Doll, Laura; Kim Malcolm <kimm711@msn.com>; Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Subject: FW: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, March 11, 2013 9:01 PM
To: jlane; jerry . schmitz; Doll, Laura; wds2texas; Jim Hall; Bob Chipkevich; pgoelz@oneillandassoc.com; Kim.Malcolm@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: CPUC Safety Symposium Update -- action/next steps

All--- sorry, in my haste to get this out, I didn't correct the title of panel 1 on the first tab; it should be 'defining a climate and culture of safety.'
Thx
Jane

On Mar 11, 2013, at 7:03 PM, "Yura, Jane" <JKY1@pge.com<mailto:JKY1@pge.com>> wrote:

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 9:29 AM
To: Doll, Laura; kimm711@msn.com; Malashenko, Elizaveta I.
Cc: Yura, Jane
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

OK

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

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Harris, Frederick

From: sanjay.stokes@hyatt.com
Sent: Tuesday, March 12, 2013 10:27 AM
To: emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: LRDD@pge.com; JKY1@pge.com; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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Best Regards,

Sanjay Stokes
Sales Manager

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From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Monday, March 11, 2013 5:59 PM
To: Stokes, Sanjay (SFORS); ejhagan@sbcglobal.net
Cc: Doll, Laura; Yura, Jane; Kim Malcolm; Malashenko, Elizaveta I.
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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Harris, Frederick

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Sent: Tuesday, March 12, 2013 11:12 AM
To: sanjay.stokes@hyatt.com; ejhagan@sbcglobal.net
Cc: LRDD@pge.com; JKY1@pge.com; kimm711@msn.com; Malashenko, Elizaveta I.
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Let me check?

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Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Tuesday, March 12, 2013 11:34 AM
To: Yura, Jane; Doll, Laura
Subject: RE: CPUC Safety Symposium Update -- action/next steps

Two things – Jack says he wants to use the Hyatt at Embarcadero. You may have already spoken to him about this by now. Also, there may be some complications with how we market this based on a court action I just heard about – I need to make sure Paul Clanon is comfortable with whatever way we proceed. I will see if I can track him down now.

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 12, 2013 2:23 PM
To: Kim.Malcolm@cpuc.ca.gov; Yura, Jane
Subject: Re: CPUC Safety Symposium Update -- action/next steps

Thanks Kim -- I spoke with Gen Hagan earlier today and he agreed to consider hotels closer to SFO. We are checking availability now. The Hyatts are non-union. And the SFO vicinity places will be cheaper and perhaps easier for industry people flying in.

So stay tuned ... :)

From: Malcolm, Kim [mailto:Kim.Malcolm@cpuc.ca.gov]
Sent: Tuesday, March 12, 2013 11:34 AM
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From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Monday, March 11, 2013 7:04 PM
To: jlane; jerry.schmitz; Doll, Laura; wds2texas; Jim Hall; Bob Chipkevich; pgoelz@oneillandassoc.com; Malcolm, Kim; Malashenko, Elizaveta I.
Subject: CPUC Safety Symposium Update -- action/next steps

Hello team, Here is the latest update/work in progress for the May 7-8 Symposium.

- Venue is being finalized (Grand Hyatt San Francisco)
- Draft agenda with speakers attached (tab 2) – thank you for your comments; we need to fill in the blanks, get confirmation from some speakers on availability. I have made assignments to you for some of these confirmations (pls let me know if you need assistance)
- Draft invitee lists attached --- pls review since the CPUC will send invitations to hold the date as early as this week
- Other logistics (costs, etc...) are being worked out after we have the estimates

We have our weekly call scheduled for this Friday, and will be joined by Kim Malcolm and Liza Malashenko, who work for General Hagan, and will be taking the lead. Pls let me know if you have questions in the meantime.

Thanks,
Jane

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Harris, Frederick

From: sanjay.stokes@hyatt.com
Sent: Tuesday, March 12, 2013 3:54 PM
To: LRDD@pge.com; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: JKY1@pge.com; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hi Laura,

Thursday at 3:30pm sounds great. How many people would be visiting the hotel?
You need to see meeting space and sleeping rooms, is there anything else that you need?

When you arrive at the hotel, please take the first escalator up and the sales office will be on the right.
Ask the receptionist for me and I would be glad to meet you and take you on a tour of the space.

Thanks and I look forward to your reply.

Best Regards,

Sanjay Stokes
Sales Manager

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sanjay.stokes@hyatt.com
www.sanfranciscoregency.hyatt.com

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2012 Event Top 100 Meeting Hotels in the United States

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, March 12, 2013 11:20 AM
To: emory.hagan@cpuc.ca.gov; Stokes, Sanjay (SFORS); ejhagan@sbcglobal.net
Cc: Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Hyatt Regency San Francisco - Natural Gas Safety Symposium

How about 330?

From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Tuesday, March 12, 2013 11:12 AM
To: sanjay.stokes@hyatt.com <sanjay.stokes@hyatt.com>; ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>
Cc: Doll, Laura; Yura, Jane; kimm711@msn.com <kimm711@msn.com>; Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Let me check?

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Tuesday, March 12, 2013 10:27 AM
To: Hagan, Jack (Brigadier General – CA); ejhagan@sbcglobal.net
Cc: LRDD@pge.com; JKY1@pge.com; kimm711@msn.com; Malashenko, Elizaveta I.
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hello Mr. Hagan,

The room I want to show is being used by another group until 2pm, can you come by around 2:30-3:00pm? Please advise, thanks.

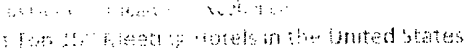
Best Regards,

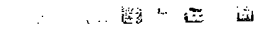
Sanjay Stokes
Sales Manager

HYATT REGENCY SAN FRANCISCO

sanjay.stokes@hyatt.com

www.sanfranciscoregency.hyatt.com





From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Monday, March 11, 2013 5:59 PM
To: Stokes, Sanjay (SFORS); ejhagan@sbcglobal.net
Cc: Doll, Laura; Yura, Jane; Kim Malcolm; Malashenko, Elizaveta I.
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Mr. Stokes,

I am not sure on moving the schedule, because it is all tied to the availability of or keynote speaker. I will check.

Can we come down on Thursday and look around and discuss options? How does 2pm work?

Thanks,
BG H

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Monday, March 11, 2013 2:16 PM
To: ejhagan@sbcglobal.net
Cc: Hagan, Jack (Brigadier General – CA)
Subject: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hello Jack,

Thanks for taking the time to speak with me more in depth on your meeting in May. We would be glad to work with your group but we don't have availability on that Tuesday to accommodate your room block.

I know you mentioned that your dates aren't flexible, but I want to see if you can move them forward by 1 or 2 days. If they are and your dates should change, please don't hesitate to message me directly to revisit rates for you.

Thank you again for your consideration and I look forward to working with you in the future.

Best Regards,

Sanjay Stokes
Sales Manager

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 12, 2013 4:20 PM
To: sanjay.stokes@hyatt.com; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Sanjay
I think there may be 4 of us, perhaps 5. And I think we really only need to see meeting rooms.
Will ask for you Thurs around 330, unless General Hagan responds otherwise.
Thanks
Laura

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Tuesday, March 12, 2013 03:54 PM
To: Doll, Laura; emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>; ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>
Cc: Yura, Jane; kimm711@msn.com <kimm711@msn.com>; elizaveta.malashenko@cpuc.ca.gov <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hi Laura,

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Thanks and I look forward to your reply.

Best Regards,

Sanjay Stokes
Sales Manager

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[illegible] San Francisco, CA 94111, USA
[illegible] sanjay.stokes@hyatt.com
www.sanfranciscoregency.hyatt.com

[illegible]

[illegible]

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From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, March 12, 2013 11:20 AM
To: emory.hagan@cpuc.ca.gov; Stokes, Sanjay (SFORS); ejhagan@sbcglobal.net
Cc: Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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Sent: Tuesday, March 12, 2013 11:12 AM
To: sanjay.stokes@hyatt.com <sanjay.stokes@hyatt.com>; ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>
Cc: Doll, Laura; Yura, Jane; kimm711@msn.com <kimm711@msn.com>; Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Let me check?

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejh@cpuc.ca.gov

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Tuesday, March 12, 2013 10:27 AM
To: Hagan, Jack (Brigadier General – CA); ejhagan@sbcglobal.net
Cc: LRDD@pge.com; JKY1@pge.com; kimm711@msn.com; Malashenko, Elizaveta I.
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hello Mr. Hagan,

The room I want to show is being used by another group until 2pm, can you come by around 2:30-3:00pm? Please advise, thanks.

Best Regards,

Sanjay Stokes
Sales Manager

HYATT REGENCY SAN FRANCISCO
5 Embarcadero Center, San Francisco, CA 94111, USA
[redacted] sanjay.stokes@hyatt.com
www.sanfranciscoregency.hyatt.com

[redacted]

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Sent: Monday, March 11, 2013 5:59 PM
To: Stokes, Sanjay (SFORS); ejhagan@sbcglobal.net

Cc: Doll, Laura; Yura, Jane; Kim Malcolm; Malashenko, Elizaveta I.
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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ejh@cpuc.ca.gov

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Monday, March 11, 2013 2:16 PM
To: ejhagan@sbcglobal.net
Cc: Hagan, Jack (Brigadier General – CA)
Subject: Hyatt Regency San Francisco - Natural Gas Safety Symposium

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Best Regards,

Sanjay Stokes
Sales Manager

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sanjay.stokes@hyatt.com
www.sanfranciscoregency.hyatt.com

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, March 12, 2013 7:05 PM
To: 'julie.halligan@cpuc.ca.gov'
Subject: Canceled: CPUC Safety Symposium -- Status meeting

Importance: High

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, March 12, 2013 7:08 PM
To: Lane, Bret; jerry . schmitz; Doll, Laura; wds2texas; Jim Hall; Bob Chipkevich; pgoelz@oneillandassoc.com; Kim.Malcolm@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Subject: Update: CPUC Safety Symposium Update -- action/next steps
Attachments: Copy of Copy of CPUC Safety Symposium Invitation list 031213.xlsx

All,
Panel 2, is now 5 speakers, which is a nice balance: 2 commission, 2 utility, 1 public pipeline safety advocate. I am attaching the latest updated workbook.

Panel 3 is complete!

Panel 1 and Panel 2 need the attention of Laura, Peter and Kim to confirm speakers (tab 2 in the workbook). It is very important to get invitations to speakers out by the end of this week, so we'll need you to confirm as soon as possible.

Please provide any updates/additional comments on the flow, agenda, attendees before our weekly Friday Call at 1:30 PST (Dial In # 1-877-326-0011, passcode: *415 973 1398*).

Thank you,

Jane

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May 7-8 CPUC Safety Symposium

	Name	confirmed	Organization	Title	email address	*Confirmation Assigned to:*
Day 1:						
Key Note						
1	Deborah P. Hersman	☑	NTSB	Chairman		
Panel 1: Defining a Climate and Culture of Safety -- what it really means						**Kim Malcolm**
1	**Patrick Hudson ("Achieving a Safety Culture in Aviation" by, Leiden University)/ Jody Bridges (Naval Aviation Safety School)**					**Peter Goelz**
2	**TBD**		**Alaska Airlines**	**CEO/COO**		**Laura Doll**
3	**Paul Levy**		**Medical/Regulatory**	**Author, former Chairman Mass. Public Utilities**		--
4	Nick Stavropoulos	☑	PG&E	Senior Vice President, Gas Operations	N1SL@pge.com	
Dinner Speaker						
1	Captain Sully Sullenberger	☑	Consultant	Former USAir Captain (Miracle on the Hudson)	cbsull3@gmail.com	--
Day 2:						
Panel 2: Leading safety as a Regulatory Agency: what's required of regulators, utilities; a shared responsibility for safety						**Kim Malcolm**
1	**TBD**		**CPUC**	**Commissioner**		**Kim Malcolm**
2	**TBD**		**State.... PUC**	**Commissioner**		
3	Chris Johns	☑	PG&E	President	cpj2@pge.com	
4	Dennis Arriola	☑	SoCal Gas	President, CEO	Darriola@semprautilities.com	
5	Carl Weimer	☑	Pipeline Safety Trust	Executive Director	carl@pstrust.org	
Panel 3: Elements of an Effective Pipeline Emergency Response						
1	Joanne Hayes-White	☑	SFFD	Chief	fireadministration@sfgov.org	--
2	Jerry Schmitz	☑	SouthWest Gas	Vice President, Gas Engineering	Jerry.Schmitz@swgas.com	--
3	Tim Butters	☑	PHMSA	Deputy Administrator	tim.butters@dot.gov	--
4	Susan Flemming	☑	GAO	Director, Physical Infrastructure	FlemingS@gao.gov	--
Luncheon Speaker						
	Michael Peevey		**CPUC**	**President**		**Kim Malcolm**

CPUC03076

Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Wednesday, March 13, 2013 8:56 AM
To: Yura, Jane; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Malashenko, Elizaveta I.; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: RE: CPUC Safety Symposium -- Status meeting

I can help this week but then I am out for two weeks ☹ -- we can get through some of this before I leave.

-----Original Appointment-----
From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Tuesday, March 12, 2013 7:05 PM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Malcolm, Kim; Malashenko, Elizaveta I.; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Safety Symposium -- Status meeting
When: Occurs every Friday effective 2/8/2013 until 4/26/2013 from 1:30 PM to 2:00 PM Pacific Standard Time.
Where: Dial In #1-877-326-0011, *415 973 1398*

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Wednesday, March 13, 2013 8:56 AM
To: Yura, Jane
Subject: Tentative: CPUC Safety Symposium -- Status meeting

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 14, 2013 9:52 AM
To: elizaveta.malashenko@cpuc.ca.gov
Subject: hotel visits today?

Liza
Were you planning to visit to the Hyatt today to check out rooms for the symposium? Or was Kim? Or Gen Hagan?
There had been an email exchange about 3:30. Now 4:00 would be better for me . . .
Just wondering who might be planning to come over.

We are still waiting to hear back from places near SFO.
Just wondered if you knew anything more.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 12:23 PM
To: Doll, Laura; Malcolm, Kim
Subject: Re: hotel visits today?

Laura,

I'm not planning to go. Let's check-in with Kim after lunch. She was following up on a few things.

Liza

On Mar 14, 2013, at 9:51 AM, "Doll, Laura" <LRDD@pge.com> wrote:

> Liza
> Were you planning to visit to the Hyatt today to check out rooms for the symposium? Or was Kim? Or Gen Hagan?
> There had been an email exchange about 3:30. Now 4:00 would be better for me . . .
> Just wondering who might be planning to come over.
>
> We are still waiting to hear back from places near SFO.
> Just wondered if you knew anything more.
>
> Thanks
> Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 1:57 PM
To: Doll, Laura
Cc: Malcolm, Kim; Malashenko, Elizaveta I.
Subject: Change 1 to Safety Symposium

We are moving to a government facility and opening it to the public. No lunches, just dinner with no or only 2 commissioners. Dinner location and attendees TBD. CPUC staff will pay their own meal.

There will still be a CEO/President and me dinner on the evening of the 6th. Location again TBD.

Can you cancel the Hyatt meeting for today.

Call me.

BG H

Brigadier General (CA) Emory J. Hagan, III
Director,
Safety and Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201
ejh@cpuc.ca.gov
My mission: "No one dies on my watch!"
"No better friend – No worse enemy!"

Please Note: Effective 1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Thursday, March 14, 2013 3:45 PM
To: Yura, Jane
Subject: Accepted: CPUC Safety Symposium -- Status meeting

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 14, 2013 4:49 PM
To: emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net; Malcolm, Kim (Kim.Malcolm@cpuc.ca.gov)
Cc: Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: RE: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items

General Hagan and Kim,

1. I spoke with the contact at the Hyatt when I cancelled the discussion with the Hyatt Regency we had arranged for this afternoon and he was very gracious and understands our change in direction.
2. I now understand the venue will be at the state building down the street from the CPUC on Golden Gate. Kim, as soon as you have info on the specific room and the address of the building, will you send it?
3. We need to get the speaker invitation letters out – Hersman and Sullenberger. Kim, can you make that happen before you leave?
4. We will add a labor representative to the invitation list.
5. Kim, in your absence next week, who can we work with to send out the "Save the Date" notice to the invitation list?
6. PG&E will figure out the venue for the CEO dinner on Monday night.
7. PG&E will identify some choices for the participant dinner Tuesday night for your selection.
8. I know work is still underway to finalize panels, and I believe Jane Yura has a call set for tomorrow at 1:30 to talk about the latest contacts.

Let us know – and thanks
Laura

From: sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
Sent: Tuesday, March 12, 2013 3:54 PM
To: Doll, Laura; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium

Hi Laura,

Thursday at 3:30pm sounds great. How many people would be visiting the hotel?
You need to see meeting space and sleeping rooms, is there anything else that you need?

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Thanks and I look forward to your reply.

Best Regards,

Sanjay Stokes
Sales Manager

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Sent: Thursday, March 14, 2013 8:49 PM
To: Doll, Laura
Subject: Re: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items
Attachments: image001.png; image002.png; image003.png; image004.png; image005.png; image006.png

Good job

BG H

Sent from my iPhone

On Mar 14, 2013, at 16:49, "Doll, Laura" <LRDD@pge.com> wrote:

> General Hagan and Kim,
>
> 1. I spoke with the contact at the Hyatt when I cancelled the discussion with the Hyatt Regency we had arranged for this afternoon and he was very gracious and understands our change in direction.
> 2. I now understand the venue will be at the state building down the street from the CPUC on Golden Gate. Kim, as soon as you have info on the specific room and the address of the building, will you send it?
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> 6. PG&E will figure out the venue for the CEO dinner on Monday night.
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> 8. I know work is still underway to finalize panels, and I believe Jane Yura has a call set for tomorrow at 1:30 to talk about the latest contacts.
>
> Let us know – and thanks
> Laura
>
> **From:** sanjay.stokes@hyatt.com [mailto:sanjay.stokes@hyatt.com]
> **Sent:** Tuesday, March 12, 2013 3:54 PM
> **To:** Doll, Laura; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
> **Cc:** Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
> **Subject:** RE: Hyatt Regency San Francisco - Natural Gas Safety Symposium
>
> Hi Laura,
>
> Thursday at 3:30pm sounds great. How many people would be visiting the hotel?
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Ask the receptionist for me and I would be glad to meet you and take you on a tour of the space.

Thanks and I look forward to your reply.

Best Regards,

Sanjay Stokes
Sales Manager

HYATT REGENCY SAN FRANCISCO

sanjay.stokes@hyatt.com
www.sanfranciscoregency.hyatt.com

<image002.png> <image003.png> <image004.png> <image005.png> <image006.png>

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 14, 2013 9:36 PM
To: emory.hagan@cpuc.ca.gov
Subject: Re: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items
Attachments: image001.png; image002.png; image003.png; image004.png; image005.png; image006.png

Thanks.
One day we will have a meeting in a hotel, but for now we will make this work.
I think we had a good meeting today with Mike Robertson. Hope he has a chance to brief you before you and Tom talk Monday.

From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Thursday, March 14, 2013 08:48 PM
To: Doll, Laura
Subject: Re: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items

Good job

BG H

Sent from my iPhone

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Sent: Tuesday, March 12, 2013 3:54 PM
To: Doll, Laura; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Yura, Jane; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
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Thanks and I look forward to your reply.

Best Regards,

Sanjay Stokes
Sales Manager

HYATT REGENCY SAN FRANCISCO
5 Embarcadero Center, San Francisco, CA 94111, USA
T: +1 415 788 1234 F: +1 415 981 1638 E: sanjay.stokes@hyatt.com
www.sanfranciscoregency.hyatt.com

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 14, 2013 10:56 PM
To: kimm711@msn.com; emory.hagan@cpuc.ca.gov; kim.malcolm@cpuc.ca.gov
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items

Yes -- let's talk in the morning with Jane Yura. What's your availability?

From: Kim Malcolm [mailto:kimm711@msn.com]
Sent: Thursday, March 14, 2013 10:44 PM
To: Doll, Laura; emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>; Malcolm, Kim (Kim.Malcolm@cpuc.ca.gov) <kim.malcolm@cpuc.ca.gov>
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items

Glad you are staying on top of this Laura. Can we talk for a few minutes on Friday? I think I will have answers for you.
Kim

From: LRDD@pge.com
To: emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net; Kim.Malcolm@cpuc.ca.gov
CC: JKY1@pge.com; kimm711@msn.com; elizaveta.malashenko@cpuc.ca.gov
Subject: RE: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items
Date: Thu, 14 Mar 2013 23:49:04 +0000

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, March 15, 2013 10:23 AM
To: Kim Malcolm
Cc: kim.malcolm@cpuc.ca.gov; Yura, Jane
Subject: Call in number for our 10:30

Dial 1-866-489-0573; meeting number is ***415.973.4977***

From: Kim Malcolm [mailto:kimm711@msn.com]
Sent: Friday, March 15, 2013 7:00 AM
To: Doll, Laura
Cc: emory.hagan@cpuc.ca.gov; kim.malcolm@cpuc.ca.gov; Yura, Jane; elizaveta.malashenko@cpuc.ca.gov
Subject: Re: Hyatt Regency San Francisco -- CANCELLED VISIT and other TO DO items

Let's try for 1030. My landline is 415 7032183.

Sent from my iPhone

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Sanjay Stokes
Sales Manager

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[illegible]

[illegible]

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Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Friday, March 15, 2013 10:51 AM
To: Yura, Jane (JKY1@pge.com); 'Doll, Laura' (LRDD@pge.com)
Subject: FW: SAVE THE DATE -- CPUC Safety Symposium May 7-8

From: Malcolm, Kim
Sent: Thursday, March 14, 2013 2:10 PM
To: Commissioners; Directors
Cc: Hagan, Jack (Brigadier General – CA); Malashenko, Elizaveta I.
Subject: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Greetings Commissioners and Directors,

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We will be sending formal invitations to you and other guests soon. In the meantime, please put this on your calendar.

Best wishes and I hope you will contact me or Liza Malashenko if you have questions or ideas.

Brigadier General (CA) Emory J. Hagan, III

Director, Safety and Enforcement Division

(916) 267-7201

ejh@cpuc.ca.gov

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, March 15, 2013 12:16 PM
To: Malcolm, Kim; Doll, Laura
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8
Attachments: Jane Letter for Peevey.docx; Paul Letter for speakers.docx

Kim, here is the draft Peevey letter to Chairman Hersman, I tried to update since the version last Fall.

A similar letter for the other speakers to be signed by Paul, then PDF's and sent via email – here are their names, titles, and email addresses:

Captain Sully Sullenberger	☑	Former USAir Captain		c
Carl Wood		Utility Workers Union of America	National Director	
Chris Johns	☑	PG&E	President	c
Dennis Arriola	☑	SoCal Gas	President, CEO	[
Carl Weimer	☑	Pipeline Safety Trust	Executive Director	c
Joanne Hayes-White	☑	SFFD	Chief	f
Tim Butters	☑	PHMSA	Deputy Administrator	t
Susan Flemming	☑	GAO	Director, Physical Infrastructure	F

Jane

From: Malcolm, Kim [mailto:Kim.Malcolm@cpuc.ca.gov]
Sent: Friday, March 15, 2013 10:51 AM
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August XX, 2012

Honorable Deborah A. P. Hersman
National Transportation Safety Board
490 L'Enfant Plaza
Washington, D.C. 20594

Dear Chairman Hersman:

On behalf of the California Public Utilities Commission and California's public utilities I would like to thank you for confirming your intent to speak at our May 7, 2013 symposium, "Forging a New Vision of Safety in California." The first in a series of safety symposiums, "Safety in California" will address key issues and explore solutions to public safety concerns in California's public utility sector. We hope that through this event and subsequent working meetings we will be able to better define, create and sustain a safety-first culture for public utilities in the State of California.

The symposia will allow both industry leaders and government representatives to convene, discuss and make recommendations that will help to create a more purposeful safety-first culture across California. This will be achieved through interactive workshops, panels and presentations, designed to share best practices for public safety. We will help foster understanding of safety expectations and the consequences of failure, and assert that safety, with respect to human life and property, is non-negotiable. Our goal is to collaborate across industry and government to help dramatically improve the safety of our public utility systems.

As you plan for participation, I suggest we arrange a time to review logistics and ideas for your remarks. In the meantime, please feel free to contact me directly at [EMAIL/PHONE]. On behalf of the CPUC and our state's public utility companies, thank you very much for playing such an integral role in helping us kick off our first of a series of symposiums.

Sincerely,

Michael R. Peevey
President
California Public Utilities Commission

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, March 15, 2013 12:21 PM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com); Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Status meeting
Attachments: CPUC Safety Symposium Invitation list 031513.xlsx

Hello everyone, just an slightly updated version for our 1:30 call. **1-877-326-0011, *415 973 1398***
Thanks
Jane

-----Original Appointment-----
From: Yura, Jane
Sent: Tuesday, February 05, 2013 4:27 PM
To: Yura, Jane; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com); Rosenthal, Andrea
Subject: CPUC Safety Symposium -- Status meeting
When: Friday, March 15, 2013 1:30 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Dial In #1-877-326-0011, *415 973 1398*

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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May 7-8 CPUC Safety Symposium

Forging a New Vision of Safety in California

Day 1: May 7, Tuesday		Notes
1:30	General Hagan Opens, Welcome	Video message: Gov. Brown
2:00	Chairman Hersman gives Keynote	about 30 min
--	(some time for panel 1 to come up following)	
2:45	Panel 1: Defining a Climate and Culture of Safety -- what it really means	Intro Panel; first 2 speakers 20 min each
3:30	break	coffee/refreshments
3:50	Panel 1: Defining a Climate and Culture of Safety -- what it really means	Second 3 speakers 20 min each; Q&A
4:45	General Hagan concludes Tuesday session	
6:00	Invitation: Social	
6:45	Invitation: Dinner	
7:30	Speaker: Captain Sully Sullenberger	Jim Hall Intro Captain Sullenberger

Approx Count	
CPUC	20
SouthW	13
SEMPRA	19
PGE	29
Industry	26
Govt, Others	14
	121

Day 2: May 8, Wednesday		
8:00	Coffee, light continental available	
8:30	General Hagan Opens, Welcome	
8:40	Panel 2: Leading Safety: what's required of regulators, utilities; a shared responsibility for safety	Intro Panel; 10 min each; Q/A
10:10	Break	coffee/refreshments
10:30	Panel 3: Elements of an Effective Pipeline Emergency Response	Intro Panel; 15 min each; Q/A
12:00	Speaker: President Peevey	
	Conclude Symposium - General Hagan	

Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Friday, March 15, 2013 1:30 PM
To: Yura, Jane; Doll, Laura
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Great – so I don't need to do snail mail?

From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Friday, March 15, 2013 12:16 PM
To: Malcolm, Kim; Doll, Laura
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, March 15, 2013 1:36 PM
To: Malcolm, Kim
Cc: Doll, Laura
Subject: Re: SAVE THE DATE -- CPUC Safety Symposium May 7-8
Attachments: image004.png

Except for Hersman

Jane

Jane Yura
PG&E Gas Ops
415-973-1398

On Mar 15, 2013, at 1:29 PM, "Malcolm, Kim" <Kim.Malcolm@cpuc.ca.gov<mailto:Kim.Malcolm@cpuc.ca.gov>> wrote:

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<image004.png>

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Chris Johns

<image004.png>

PG&E

President

cpj2@pge.com<mailto:cpj2@pge.com>

Dennis Arriola

<image004.png>

SoCal Gas

President, CEO

Darriola@semprautilities.com<mailto:Darriola@semprautilities.com>

Carl Weimer [a]

<image004.png>

Pipeline Safety Trust

Executive Director

carl@pstrust.org<mailto:carl@pstrust.org>

Joanne Hayes-White

<image004.png>

SFFD

Chief

fireadministration@sfgov.org<mailto:fireadministration@sfgov.org>

Tim Butters

<image004.png><image004.png>

PHMSA

Deputy Administrator

tim.butters@dot.gov<mailto:tim.butters@dot.gov>

Susan Flemming

<image004.png>

GAO

Director, Physical Infrastructure

FlemingS@gao.gov<mailto:FlemingS@gao.gov>

Jane
From: Malcolm, Kim [mailto:Kim.Malcolm@cpuc.ca.gov]
Sent: Friday, March 15, 2013 10:51 AM
To: Yura, Jane; Doll, Laura
Subject: FW: SAVE THE DATE -- CPUC Safety Symposium May 7-8

From: Malcolm, Kim
Sent: Thursday, March 14, 2013 2:10 PM
To: Commissioners; Directors
Cc: Hagan, Jack (Brigadier General – CA); Malashenko, Elizaveta I.
Subject: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Greetings Commissioners and Directors,

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We will be sending formal invitations to you and other guests soon. In the meantime, please put this on your calendar.

Best wishes and I hope you will contact me or Liza Malashenko if you have questions or ideas.

Brigadier General (CA) Emory J. Hagan, III

Director, Safety and Enforcement Division

(916) 267-7201

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Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Friday, March 15, 2013 1:46 PM
To: Yura, Jane; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Malashenko, Elizaveta I.; Goelz, Peter (pgoelz@oneillandassoc.com); Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Status meeting

Update – CPUC Commissioner Michael Florio has agreed to speak on the regulatory issues panel. Jane and Laura have gotten some really excellent panel members!

From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Friday, March 15, 2013 12:21 PM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Malcolm, Kim; Malashenko, Elizaveta I.; Goelz, Peter (pgoelz@oneillandassoc.com); Rosenthal, Andrea
Subject: RE: CPUC Safety Symposium -- Status meeting

Hello everyone, just an slightly updated version for our 1:30 call. 1-877-326-0011, *415 973 1398*
Thanks
Jane

-----Original Appointment-----
From: Yura, Jane
Sent: Tuesday, February 05, 2013 4:27 PM
To: Yura, Jane; jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com); Rosenthal, Andrea
Subject: CPUC Safety Symposium -- Status meeting
When: Friday, March 15, 2013 1:30 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Dial In #1-877-326-0011, *415 973 1398*

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Friday, March 15, 2013 4:22 PM
To: Yura, Jane
Cc: Doll, Laura
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Carl Wood has confirmed for the regulatory panel. His contact info is 951 5671199. His current email is carlwood@uwua.net.
Making a little progress here. The 455 Golden Gate auditorium is only available on May 7. We have reserved it while we look at other options either for both days or just May 8.

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From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Friday, March 15, 2013 1:36 PM
To: Malcolm, Kim
Cc: Doll, Laura
Subject: Re: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Except for Hersman

Jane

Jane Yura
PG&E Gas Ops
415-973-1398

On Mar 15, 2013, at 1:29 PM, "Malcolm, Kim" <Kim.Malcolm@cpuc.ca.gov<mailto:Kim.Malcolm@cpuc.ca.gov>> wrote:

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<image004.png>

Former USAir Captain

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, March 15, 2013 4:30 PM
To: Kim.Malcolm@cpuc.ca.gov; Yura, Jane
Subject: Re: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Wow -- great about Carl. Crummy about bldg!

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Harris, Frederick

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Sent: Friday, March 15, 2013 5:48 PM
To: Malcolm, Kim
Cc: Doll, Laura
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Fast work! Have a great 2 weeks,
Jane

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Cc: Doll, Laura
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, March 15, 2013 7:16 PM
To: emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
Cc: Doll, Laura; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov)
Subject: CPUC Safety Symposium Invitation list 031513.xlsx
Attachments: CPUC Safety Symposium Invitation list 031513.xlsx

General Hagan,
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Thank you,

Jane

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May 7-8 CPUC Safety Symposium

Forging a New Vision of Safety in California

Day 1: May 7, Tuesday		Notes	
1:30	General Hagan Opens, Welcome	Video message: Gov. Brown	
2:00	Chairman Hersman gives Keynote	about 30 min	
--	(some time for panel 1 to come up following)		
2:45	Panel 1: Defining a Climate and Culture of Safety -- what it really means	Moderator: TBD (Spier official) Intro Panel; first 2 speakers 20 min each	
3:30	break	coffee/refreshments	
3:50	Panel 1: Defining a Climate and Culture of Safety: what it really means	Second 3 speakers 20 min each; Q&A	
4:45	General Hagan concludes Tuesday session		
6:00	Invitation: Social		
6:45	Invitation: Dinner		
7:30	Speaker: Captain Sully Sullenberger	Jim Hall Intro Captain Sullenberger	
Day 2: May 8, Wednesday			
8:00	Coffee, light continental available		
8:30	General Hagan Opens, Welcome		
8:40	Panel 2: Leading Safety: what's required regulators, utilities; a shared responsibility for safety	Moderator: Paul Clannon Intro Panel; 10 min each; Q/A	
10:10	Break	coffee/refreshments	
10:30	Panel 3: Effective Pipeline Emergency Response	Moderator: TBD (Media Rep) Intro Panel; 15 min each; Q/A	
12:00	Speaker: President Peevey		
12:30	Conclude Symposium - General Hagan		

Approx Count	
CPUC	20
SouthW	13
SEMPRA	19
PGE	29
Industry	26
Govt, Others	14
	121

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
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To: Yura, Jane; emory.hagan@cpuc.ca.gov; ejhagan@sbcglobal.net
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General,

Jane and I spoke this evening and we strongly recommend staying with the three panels. A lot of work has gone into the speaker arrangements, and we and the "Hall boys" think the diversity of panel topics and speakers is very attractive: (1) Culture and climate, (2) leading safety as a regulatory agency, and (3) elements of effective emergency response. Those are powerful themes (you set forth), and when you look at how they flow and the timing of the second day(830 to 1230) it seems to work well.

We talked today about panel moderators: Paul Clanon for the regulatory one wednesday morning and, as I mentioned, a media person for the emergency response one. The suggestion for the third -- culture/climate -- is Congresswoman Spier's chief of staff. The thinking is that could be a good way to have some balanced legislative representation/engagement.

I know you'll be thinking about all this over the weekend. If you have any difficulty opening the attachment, here's an overview of the agenda:

Day 1, May 7
1:30 Opening remarks by General Jack Hagan, Director of the CA PUC's Safety & Enforcement Division

2:00 Keynote by Chair Hersman

First panel: Defining a Safety Climate and Culture

Jody Bridges, Naval Aviation Safety School
Paul Levy, former Chair MA Public Utilities Comm and a nationally recognized leader of organizational change in the health care industry and public sector
Alaska Air COO
Nick Stavropoulos, Sr. VP, Gas Ops, PG&E and formerly of National Grid

Reception, Dinner, and Evening Keynote: Captain Sully Sullenberger, former US Air Captain (Miracle on the Hudson)

Day 2, May 8

Panel 2: Safety Regulation – a shared responsibility

Commissioner Michel Florio, CA PUC
Carl Wood, former CPUC Commissioner and current National Director of Governmental and Regulatory Affairs, Utility Workers Union of America
Chris Johns, President, PG&E
Dennis Arriola, President, SoCal Gas
Carl Weimer, ED, Pipeline Safety Trust

Panel 3: Elements of an Effective Pipeline Emergency Response

Joanne Hayes-White, Chief, San Francisco Fire Department
Jerry Schmitz, VP, Gas Engineering, SouthWest Gas
Susan Fleming, Director, Physical Infrastructure, GAO and author of recent GAO study on response time measurement
Tom Butters, Deputy Administrator, PHMSA (former asst chief with Fairfax Fire Dept and Dir of the Chemical Transportation Emergency Center. He also worked for FEMA)

Its a good lineup. We are now working on lists of key issues/questions for the panels to address.

Also, I looked online at the Marines Memorial Club online and it looks interesting! They have rooms large enough for the Tuesday dinner, and it might be nice to have that setting for Captain Sullenberger's appearance. We will check on it as an option.

I really hope the venue holds for both days as I don't like the CPUC auditorium for the panel format. Hope we can get this resolved next week, even with Kim gone.

I am going to see if Aaron can find a little time for Jane and me to talk with you Monday afternoon before you head to Pismo. We must get your concurrence on panel structure asap.

Oh -- we may use a travel agent to handle lodging and transportation for the speakers so that all expenses are tracked centrally and are easier for us to divvy up at the end.

And when we are sure of the site we will figure out the best coffee options.

Hope you get a few hours' rest this weekend! I'm around sunday afternoon if you want to call.

Thanks

Laura

From: Yura, Jane
Sent: Friday, March 15, 2013 07:15 PM
To: emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>; ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>
Cc: Doll, Laura; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov) <elizaveta.malashenko@cpuc.ca.gov>
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Fi

Sent from my iPhone

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>
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Laura

From: Yura, Jane
Sent: Friday, March 15, 2013 07:15 PM
To: emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>; ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>
Cc: Doll, Laura; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov) <elizaveta.malashenko@cpuc.ca.gov>
Subject: CPUC Safety Symposium Invitation list 031513.xlsx

General Hagan,
Here is the latest draft agenda, speakers and invitees for the CPUC symposium. All speakers with the exception of 2 that are in progress are confirmed. We are now 7 weeks from the symposium, and it is starting to take shape. Invitations to confirm the speakers, and to invitees to hold the date should go out early next week (Monday).

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If you have comments, or need additional information, Laura or I, will try to assist,
Thank you,

Jane

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Friday, March 15, 2013 11:56 PM
To: Doll, Laura
Subject: Re: CPUC Safety Symposium Invitation list 031513.xlsx

First cut looks ok. The second panel is not what I was actually envisioning. Lets talk tomorrow.

Sent from my iPhone

On Mar 15, 2013, at 23:26, "Doll, Laura" <LRDD@pge.com> wrote:

> General,
>
> Jane and I spoke this evening and we strongly recommend staying with the three panels. A lot of work has gone into the speaker arrangements, and we and the "Hall boys" think the diversity of panel topics and speakers is very attractive: (1) Culture and climate, (2) leading safety as a regulatory agency, and (3) elements of effective emergency response. Those are powerful themes (you set forth), and when you look at how they flow and the timing of the second day(830 to 1230) it seems to work well.
>
> We talked today about panel moderators: Paul Clanon for the regulatory one wednesday morning and, as I mentioned, a media person for the emergency response one. The suggestion for the third -- culture/climate -- is Congresswoman Spier's chief of staff. The thinking is that could be a good way to have some balanced legislative representation/engagement.
>
> I know you'll be thinking about all this over the weekend. If you have any difficulty opening the attachment, here's an overview of the agenda:
>
> Day 1, May 7
> 1:30 Opening remarks by General Jack Hagan, Director of the CA PUC's Safety & Enforcement Division
>
> 2:00 Keynote by Chair Hersman
>
> First panel: Defining a Safety Climate and Culture
>
> Jody Bridges, Naval Aviation Safety School
> Paul Levy, former Chair MA Public Utilities Comm and a nationally recognized leader of organizational change in the health care industry and public sector
> Alaska Air COO
> Nick Stavropoulos, Sr. VP, Gas Ops, PG&E and formerly of National Grid
>
> Reception, Dinner, and Evening Keynote: Captain Sully Sullenberger, former US Air Captain (Miracle on the Hudson)
>
> Day 2, May 8
>
> Panel 2: Safety Regulation – a shared responsibility

Commissioner Michel Florio, CA PUC
Carl Wood, former CPUC Commissioner and current National Director of Governmental and Regulatory Affairs, Utility Workers Union of America
Chris Johns, President, PG&E
Dennis Arriola, President, SoCal Gas
Carl Weimer, ED, Pipeline Safety Trust

Panel 3: Elements of an Effective Pipeline Emergency Response

Joanne Hayes-White, Chief, San Francisco Fire Department
Jerry Schmitz, VP, Gas Engineering, SouthWest Gas
Susan Fleming, Director, Physical Infrastructure, GAO and author of recent GAO study on response time measurement
Tom Butters, Deputy Administrator, PHMSA (former asst chief with Fairfax Fire Dept and Dir of the Chemical Transportation Emergency Center. He also worked for FEMA)

Its a good lineup. We are now working on lists of key issues/questions for the panels to address.

Also, I looked online at the Marines Memorial Club online and it looks interesting! They have rooms large enough for the Tuesday dinner, and it might be nice to have that setting for Captain Sullenberger's appearance. We will check on it as an option.

I really hope the venue holds for both days as I don't like the CPUC auditorium for the panel format. Hope we can get this resolved next week, even with Kim gone.

I am going to see if Aaron can find a little time for Jane and me to talk with you Monday afternoon before you head to Pismo. We must get your concurrence on panel structure asap.

Oh -- we may use a travel agent to handle lodging and transportation for the speakers so that all expenses are tracked centrally and are easier for us to divvy up at the end.

And when we are sure of the site we will figure out the best coffee options.

Hope you get a few hours' rest this weekend! I'm around sunday afternoon if you want to call.

Thanks

Laura

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Saturday, March 16, 2013 12:04 AM
To: Laura Doll
Subject: Fwd: Safety Symposium

There are some good candidates for the climate panel , like the astronaut and the guy at Monterey.

Sent from my iPhone

Begin forwarded message:

> **From:** "Bridges, Jody G CAPT NASC, N3E" <jody.g.bridges@navy.mil>
> **Date:** March 4, 2013, 13:16:37 PST
> **To:** Hagan, Jack (Brigadier General - CA) <emory.hagan@cpuc.ca.gov>
> **Subject: RE: Safety Symposium**
>
> General,
> Here are some investigations training venues:
> The venues we are most familiar with are:
>
> -Air Force Mishap Investigation Course
> http://www.afsec.af.mil/organizations/education/amic.asp
> -Army Accident Investigation and Analysis Course
> https://safety.army.mil/training/AVIATIONSAFETYOFFICERTRAINING/AccidentInvestigationandAnalysisCourse/tabid/2345/Default.aspx
> -NTSB Training
> Center http://www.ntsb.gov/trainingcenter/CourseInfo/sched_courses_2013.html
> -Southern California Safety Institute http://www.scsi-inc.com/course-catalog.php
> -USC Viterbi http://viterbi.usc.edu/aviation/courses/
>
> Our investigator instructor thinks SCSI had the best curriculum.
>
> OBTW: Talked to Ken Cameron about the Symposium and he would be interested in being on the panel....
> V/r
> Caveman
>
> -----Original Message-----
> From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 4:11 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Subject: RE: Safety Symposium
>
> Thanks. See you in SF
>
> Brigadier General (CA) Emory J. Hagan, III
> (916) 267-7201 Cell

ejh@cpuc.ca.gov

-----Original Message-----
From: Bridges, Jody G CAPT NASC, N3E [mailto:jody.g.bridges@navy.mil]
Sent: Friday, March 01, 2013 1:16 PM
To: Hagan, Jack (Brigadier General - CA)
Subject: RE: Safety Symposium

Oops.. didn't attach the first time.
V/r

-----Original Message-----
From: Bridges, Jody G CAPT NASC, N3E
Sent: Friday, March 01, 2013 2:58 PM
To: 'Hagan, Jack (Brigadier General - CA)'
Subject: RE: Safety Symposium

General,
Would love to attend, if on California's dime...as you know CR and Sequestration is hitting our travel budget. You can count me in.

I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested butI think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monterrey.

Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use.

Below is contact info for potential panel members:

Former Director of School of Aviation Safety Robert Conway Manager of Quality Engineering at The Walt Disney Company Aerospace Safety Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical University All I have is his email...Bob.E.Conway@disney.com

Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
BIO:
http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
Mobile: 832-289-4274 or 850-525-8940
Email: kdcameron37@aol.com

Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC.
1193 10th Street Suite

Monterey, CA (California) 93940
Monterey County / Region
United States
Phone (831) 641-9700
Toll Free Phone (800) 960-7104
Fax(408) 228-8018

Former Director of School of Aviation Safety Kenneth P. Neubauer Technical Director,
Aerospace Safety Futron Corporation
4410 E. Claiborne Sq., Suite 334
Hampton, VA 2366
Office: (800) 807-4927, x7317
Mobile: (757) 293-8438
http://www.futron.com/safety_n_risk.xml

Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend.

V/r
Caveman

-----Original Message-----
From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Friday, March 01, 2013 1:31 PM
To: Bridges, Jody G CAPT NASC, N3E
Cc: ejhagan@sbcglobal.net
Subject: Safety Symposium

Caveman,

How would you like to come to San Francisco 7-8 May and be on a panel at my first Safety Symposium to speak on climate and culture as it effects safety. The Audience would be the presidents, CEO's, and board of directors of the gas companies in California and the Californian Public Utilities Commission Commissioners. About 100 people.

Who else would you recommend be on this panel? We have Capt Sullenberger as a quest speaker.

We will pay your freight.

Separate item: Where can I send my people to good accident investigation training and where is

the format for an accident investigation not the JAG manual investigation, but mishap investigation? I am trying to establish a two track investigation process: Safety investigation with privileged information and a separate punitive investigation for responsibility.

Let me know what you think and I hope to see you in May.

Semper Fi,

BG H

Brigadier General (CA) Emory J. Hagan, III

Director,

Safety and Enforcement Division

California Public Utilities Commission

505 Van Ness Avenue

San Francisco, CA 94102

(916) 267-7201

ejh@cpuc.ca.gov

My mission: "No one dies on my watch!"

"No better friend - No worse enemy!"

Please Note: Effective 1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.

Harris, Frederick

From: Malcolm, Kim <Kim.Malcolm@cpuc.ca.gov>
Sent: Monday, March 18, 2013 11:23 AM
To: 'Doll, Laura' (LRDD@pge.com); Yura, Jane (JKY1@pge.com)
Cc: Malashenko, Elizaveta I.
Subject: FW: SAVE THE DATE -- CPUC Safety Symposium May 7-8
Attachments: image004.png

Hi Jane and Laura,
Do we have other names for the panel members? This is what we are ready to send out in addition to the letter to Ms. Hersman. As I mentioned, today is my last day so please work with Liza and Irma on this.
Thanks!
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Thanks for your help!

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<image004.png>

Former USAir Captain

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Michaelpeter.florio@cpuc.ca.gov

Harris, Frederick

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Jody Bridges - the guy from naval aviation -- is the only addition we have!

He is Gen Hagan's contact....

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, March 19, 2013 8:45 AM
To: Malcolm, Kim; Doll, Laura
Cc: Malashenko, Elizaveta I.
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Hello Liza – I know Kim is away for a couple of weeks --- is there any additional help you need?
Thx
Jane

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Harris, Frederick

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Sent: Monday, March 18, 2013 3:19 PM
To: Ivezic, David M CDR NASC, N3E
Cc: Doll, Laura; jody.g.bridges@navy.mil; ejhagan@sbcglobal.net; Malashenko, Elizaveta I.
Subject: RE: Symposium Funding

Ivan,

Understand the issue with Fed vs. State Travel. So we are going to make it easy. PG&E will cover all of Capt Bridges travel expenses (Air, taxi/limo, hotel and per diem). I have cc'd Ms. Laura Doll from PG&E on this e-mail and she will be the first person at PG&E to coordinate with. I will make reservations for the Captain at the Hyatt Grand for the nights of 6-7 May. He can come the day before and then stay thru the second day and we wrap up at noon. There is a dinner the 7th with Capt Shellenberger as the quest speaker.

Anything else please let me or Ms. Doll know.

Semper Fi,

BG H

Brigadier General (CA) Emory J. Hagan, III Director, Safety and Enforcement Division California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201
ejh@cpuc.ca.gov
My mission: "No one dies on my watch!"
"No better friend – No worse enemy!"

Please Note: Effective 1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.

-----Original Message-----
From: Ivezic, David M CDR NASC, N3E [mailto:david.ivezic@navy.mil]
Sent: Monday, March 18, 2013 10:59 AM
To: Hagan, Jack (Brigadier General – CA)
Subject: Symposium Funding

General,

Would you have a person I can contact regarding funding for CAPT Bridges' travel regarding the May symposium? As you may guess, the Navy travel system grinds to a halt when we try to discuss State funding.

Thank you.

V/r
Ivan

CDR David Ivezic
School of Aviation Safety
Associate Director
850-452-5135
DSN 922-5135
https://www.facebook.com/navysafetyschool

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Tuesday, March 19, 2013 3:45 PM
To: Yura, Jane; Doll, Laura
Cc: Malcolm, Kim
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Jane,

Thanks for checking in. I'm sure I'm going to need help, but don't have anything specific right now. I know I need to follow-up with Paul on my end regarding the Governor request and sending out the invitation letter to Chairman Hersman. Anything else urgent on my list? If not, then let's plan to catch-up on this on Friday. I plan on making the status call.

Best,

Liza

From: Yura, Jane [JKY1@pge.com]
Sent: Tuesday, March 19, 2013 8:44 AM
To: Malcolm, Kim; Doll, Laura
Cc: Malashenko, Elizaveta I.
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

Hello Liza – I know Kim is away for a couple of weeks --- is there any additional help you need?
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From: Malcolm, Kim [mailto:Kim.Malcolm@cpuc.ca.gov]
Sent: Monday, March 18, 2013 11:23 AM
To: Doll, Laura; Yura, Jane
Cc: Malashenko, Elizaveta I.
Subject: FW: SAVE THE DATE -- CPUC Safety Symposium May 7-8

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GAO

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Michaelpeter.florio@cpuc.ca.gov

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, March 19, 2013 4:13 PM
To: Malashenko, Elizaveta I.; Doll, Laura
Cc: Malcolm, Kim
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

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Harris, Frederick

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Sent: Tuesday, March 19, 2013 4:17 PM
To: Yura, Jane; Doll, Laura
Cc: Malcolm, Kim
Subject: RE: SAVE THE DATE -- CPUC Safety Symposium May 7-8

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 19, 2013 6:16 PM
To: emory.hagan@cpuc.ca.gov
Cc: Yura, Jane; Doll, Laura
Subject: Potential Panel speakers from Captain Bridges
Attachments: MP-032-08.pdf

-----Original Message-----
From: Bridges, Jody G CAPT NASC, N3E
Sent: Friday, March 01, 2013 2:58 PM
To: 'Hagan, Jack (Brigadier General - CA)'
Subject: RE: Safety Symposium

General,
Would love to attend, if on California's dime...as you know CR and Sequestration is hitting our travel budget. You can count me in.

I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested butI think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monterrey.

Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use.

Below is contact info for potential panel members:

Former Director of School of Aviation Safety Robert Conway Manager of Quality Engineering at The Walt Disney Company Aerospace Safety Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical University All I have is his email...Bob.E.Conway@disney.com

Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
BIO:
http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
Mobile: 832-289-4274 or 850-525-8940
Email: kdcameron37@aol.com

Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC.
1193 10th Street Suite
Monterey, CA (California) 93940
Monterey County / Region
United States
Phone (831) 641-9700
Toll Free Phone (800) 960-7104

Fax(408) 228-8018

Former Director of School of Aviation Safety Kenneth P. Neubauer Technical Director, Aerospace Safety Futron Corporation
4410 E. Claiborne Sq., Suite 334
Hampton, VA 2366
Office: (800) 807-4927, x7317
Mobile: (757) 293-8438
http://www.futron.com/safety_n_risk.xml

Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend.

V/r
Caveman

-----Original Message-----
From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Friday, March 01, 2013 1:31 PM
To: Bridges, Jody G CAPT NASC, N3E
Cc: ejhagan@sbcglobal.net
Subject: Safety Symposium

Caveman,

How would you like to come to San Francisco 7-8 May and be on a panel at my first Safety Symposium to speak on climate and culture as it effects safety. The Audience would be the presidents, CEO's, and board of directors of the gas companies in California and the Californian Public Utilities Commission Commissioners. About 100 people.

Who else would you recommend be on this panel? We have Capt Sullenberger as a quest speaker.

We will pay your freight.

Separate item: Where can I send my people to good accident investigation training and where is the format for an accident investigation not the JAG manual investigation, but mishap investigation? I am trying to establish a two track investigation process: Safety investigation with privileged information and a separate punitive investigation for responsibility.

Let me know what you think and I hope to see you in May.

Semper Fi,

BG H

Brigadier General (CA) Emory J. Hagan, III

Director,

Safety and Enforcement Division

California Public Utilities Commission

505 Van Ness Avenue

San Francisco, CA 94102

(916) 267-7201

ejh@cpuc.ca.gov

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"No better friend - No worse enemy!"

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Safety Culture – Theory and Practice

Patrick Hudson
Centre for Safety Science
Universiteit Leiden
P.O.Box 9555
2300 RB Leiden
The Netherlands
Hudson@fsw.LeidenUniv.nl

Abstract

Safety Culture is seen as a way of ensuring high levels of safety performance in organisations, in contrast to the systematic engineered management of hazards and effects. This paper examines the notion of a safety culture in terms of the characteristics of being informed and trusting. These notions are related to more general organisational dimensions describing behaviours an attitudes. Cultures are seen as being defined by their Values, their Beliefs, their Common working Practices and also the ways in which they respond to unusual situations. In a Safety Culture these are all aligned to ensure safe operation even, or especially, when hazardous operations are undertaken. The evolutionary framework of cultures from the Pathological and the Reactive, through the Calculative or Bureaucratic to the Proactive and Generative cultures are described. The Generative culture is equated with the High Reliability Organisations identified in studies of military and civil high risk operations. Next a model is proposed for how to change organisations in order to acquire a safety culture. Finally the barriers to successful intervention are discussed. These include the nature of bureaucratic organisations, the conflicting goals of regulators, failures of management and the fact that change processes are hard.

Introduction - Why Safety Culture?

Safety is an ubiquitous concept. In some industries, such as commercial aviation, safety is so embedded into the organisation that it can be difficult to see just what the general concept of safety means, so I want to start by expanding the notion. Most people see safety as concerned primarily with the personal well-being of stakeholders, by which I mean all those involved, not just the immediate actors and owners. Some also add the integrity of the business and its assets. While these are necessary preconditions, I view safety, and more specifically safety management, in a more active way. I see the creation of a safe environment as allowing dangerous activities to take place successfully, which means without harm or damage. What this means is that safety is more than a passive and well-meaning notion, such as "Thou shall do no harm". Instead safety is something that has to be actively managed to allow profit or advantage to be gained. The oil and gas industry is one that is naturally dangerous – fire and explosion are natural hazards of the product, mass and power inherent in the means of production. The aviation industry is another; flying is the defiance of gravity and, outside of the Zeppelin, high speeds are also inherent. In both these cases, as well as similar industries, risk is the name of the game. Even an apparently sedentary occupation, such as banking, involves risk and the potential for massive loss. Those organisations that manage their risks best are in place to make the most profit. Those that do not manage so well are either perceived as dangerous or are forced to scale down their operations to achieve acceptable levels of safety.

What has safety culture to do with this? The answer is that there are a number of ways of achieving high levels of safety. These range from having a systematic and highly controlled prescription of all activities in order to exclude the possibility of hazards ever becoming loose, to creating an organisational culture within which everyone is personally involved in ensuring the safety of all concerned, such as DuPont's *interdependent* culture. The term safety culture can be applied to both, but they clearly represent quite different cultures. What has become clear is that there is a natural and evolutionary progression of cultures, first laid out by Westrum (1991), and that the end-point of this progression is what we call a true Safety Culture. What has also become clear more recently is that, while the road to achieving this ideal state is not an

Paper presented at the RTO HFM Workshop on "The Human Factor in System Reliability – Is Human Performance Predictable?", held in Siena, Italy, 1-2 December 1999, and published in RTO MP-032.

CPUC03165

easy one, the benefits to be gained most certainly outweigh the costs of attaining it. In particular there are advantages to be had from actually reducing the time, and especially paperwork, devoted to safety. The reason for this is that much of what takes place in managing safety in earlier stages is the direct result of a failure of trust and a lack of confidence. These shortcomings lead to over-management and, accordingly, more hard work than is necessary.

This paper first examines the notion of a safety culture and attempts to identify the components in a way that is useful. Then I will discuss how one might go about achieving the goal of being a real safety culture. Next I will discuss briefly some of the barriers that are liable to prevent the full development. Finally I will draw conclusions in which the commercial factor again plays a role.

What is a Safety Culture?

Every organisation has some common, internal, characteristics that we call its culture. These characteristics have often become invisible to those inside, but may be startling to outsiders coming from a different culture. The notion of an organisational culture is notoriously difficult to define (Furnham, 1997; Schein, 1992, 1996), so I take a very general approach and see the organisational culture as, roughly "Who and what we are, what we find important, and how we go about doing things round here". Rousseau (1988) defined culture more specifically as "the ways of thinking, behaving and believing that members of a social unit have in common". A safety culture is a special case of such a culture, one in which safety has a special place in the concerns of those who work for the organisation[1].

We can first distinguish culture into its static and its dynamic components. The term *static* refers to what *is*, generally the unchanging values held by the organisation, and the beliefs that permeate its members. The term *dynamic* refers to how the organisation operates, the types of work processes it feels comfortable with. Table 1 shows a set of definitions of the four major components that can be identified as constituting corporate culture (Hudson, 1998). The distinction between common working practices and problem solving methods is not always drawn, but this may be because researchers tend to study companies in either periods of stability or of great change, but not through both. Operating in a stable world highlights the daily working practices, while periods of change are dominated by problem-solving processes. The High Reliability Organisations studied by the Berkeley Group (LaPorte & Consilini, 1991) are characterised by radically different ways of operating under normal and high stress situations.

A safety culture is one in which safety plays a very important role. Because safety is such a complex phenomenon, it is not enough just to add – "And be safe". The next sections examine the characteristics of a safety culture and look at the types of culture that can be recognised as forming a progression along which organisations develop.

The characteristics of a Safety Culture

What does an organisational culture that gives safety a priority look like? Reason (1997) has identified a number of characteristics that go to make up such a safety culture. These are:

- an *informed culture*-one in which those who manage and operate the system have current knowledge about the human, technical, organisational and environmental factors that determine the safety of the system as a whole,
- a *reporting culture*: a culture in which people are willing to report errors and near misses,
- a *just culture*: a culture of 'no blame' where an atmosphere of trust is present and people are encouraged or even rewarded for providing essential safety-related information- but where there is also a clear line between acceptable and unacceptable behaviour and,

[1] In one sense safety *always* has a place in an organisation's culture, which can then be referred to as *the* safety culture. But it is only past a certain stage of development that an organisation can be said to take safety sufficiently seriously to be labelled as *a* safety culture, a *culture of safety*.

- a *flexible culture* which can take different forms but is characterised as shifting from the conventional hierarchical mode to a flatter professional structure.
- a *learning culture* - the willingness and the competence to draw the right conclusions from its safety information system, and the will to implement major reforms when the need is indicated.

The values associated with a safety culture are fairly straightforward. The beliefs are more complex. Taken together the five characteristics form a culture of *trust* and of *informedness*. Trust is needed, especially in the face of assaults upon the beliefs that people are trying their best, such as accidents and near-miss incidents which all too easily look like failures of individuals to come up to the ideals of the organisation. Informedness means that people know what is really happening, lessening the chance of mistakes caused by inappropriate world views. This helps us to identify what beliefs are associated with a safety culture. Table 2 places safety into the framework set in Table 1. Reason's characteristics are the outcome of corporate behaviours driven by the static and dynamic components of the corporate culture, but mostly by beliefs and behaviours rather than values. Organisations with high values may not live up to their own expectations.

Types of Safety Culture

Safety cultures can be distinguished along a line from *pathological*, caring less about safety than about not being caught, through *calculative*, blindly following all the logically necessary steps, to *generative*, in which safe behaviour is fully integrated into everything the organisation does (Westrum & Adamski, 1999; Westrum, 1991; Weick, 1987). A Culture of Safety can only be considered seriously in the later stages of this evolutionary line. Prior to that, up to and including the calculative stage, the term safety culture is best reserved to describe formal and superficial structures rather than an integral part of the overall culture, pervading how safely the organisation goes about its work. It is obvious that, at the pathological stage, an organisation is not even interested in safety and has to make the first level of acquiring the value system that includes safety as a necessary element. A subsequent stage is one in which safety issues begin to acquire importance, often driven by both internal and external factors as a result of having many incidents. At this first stage of development we can see the values beginning to be acquired, but the beliefs, methods and working practices are still at a primeval stage. At such an early stage, top management believes accidents to be caused by stupidity, inattention and, even, wilfulness on the part of their employees. Many messages may flow from on high, but the majority still reflect the organisation's primary aims, often with *'and be safe'* tacked on at the end. One cannot fail to be 'impressed' by the management of Townsend Thoreson and the messages they were sending to their work force in the run up to the Herald of Free Enterprise disaster (Sheen, 1987).

Table 1: Corporate Culture definitions

Culture Component	***Definition***
Corporate Values	What the organisation regards as important or even sacrosanct
Corporate Beliefs	What the organisation believes about the world, how the world will react to actions, what the outside world finds important. Beliefs about what works and doesn't
Common Problem-Solving Methods	How the types of problem found in the organisation are tackled, e.g. project groups, consultants, panic
Common Working Practices	The way people go about their work, e.g. small meetings, lots of memos, project management of everything etc.

Table 2: A Safety Culture defined in terms of the organisational components. Note that the methods and working practices are not restricted to safety, but that safety is intimately involved in the way work is done.

Safety Culture Component	*Definition*
Safety Values	The organisation regards as safety as sacrosanct and provides the licence to operate.
Safety Beliefs	The organisation believes that safety makes commercial sense; that individuals are not the sole causes of incidents; that the next accident is waiting to happen.
Common Problem-Solving Methods	Risk assessment, cost-benefit analyses, accident analysis as well as investigation, proactive search for problems in advance of incidents.
Common Working Practices	Safety integral to design and operations practice, safety #1 on meeting agendas up to Board level, chronic unease about safety.

The next stage, one that I feel can not be circumvented, involves the recognition that safety does need to be taken seriously. The term *calculative* is used to stress that safety is calculated; quantitative risk assessment techniques and overt cost-benefit analyses are used to justify safety and to measure the effectiveness of proposed measures. Such techniques are typical problem-solving methods. Often simple calculations suggest that failing to be safe, or at least having incidents, costs money. Furthermore organisations that are seen from outside as being uncaring about safety may have image problems that knock on to the bottom line. Despite this stance, and despite what can become an impressive safety record, safety is still an add-on, certainly when seen from outside.

Table 3: Westrum's original model.
The Reactive and the Proactive stages have been added more recently and articulated in our work in the Oil and Gas industry. Table 5 shows an extended and more practical version that was worked out, in co-operation with Westrum, with the addition of the Reactive and Proactive stages.

Pathological	**Bureaucratic**	**Generative**
Information is hidden	Information may be ignored	Information is actively sought
Messengers are "shot"	Messengers are tolerated	Messengers are trained
Responsibilities are shirked	Responsibility is compartmented	Responsibilities are shared
Bridging is discouraged	Bridging is allowed but discouraged	Bridging is rewarded
Failure is covered up	Organisation is just and merciful	Failure causes enquiry
New ideas are crushed	New ideas create problems	New ideas are welcomed

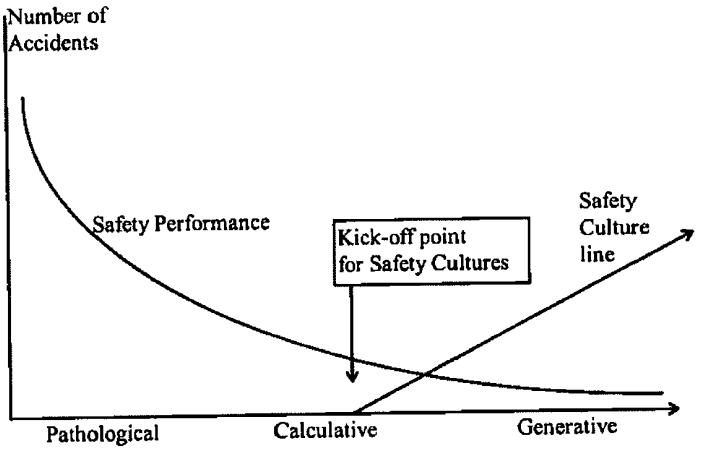

Figure 1: The safety performance will improve as the culture matures, but there can only start to be talk of a Safety Culture once the calculative stage has been passed

The foundation can now be laid, nevertheless, for acquiring *beliefs* that safety is worthwhile in its own right. By constructing deliberate procedures an organisation can force itself into taking safety seriously, or can be forced by a regulatory body, but the values are not yet fully internalised, the methods are still new and individual beliefs generally lag behind corporate intentions. This shows us a significant characteristic of a true safety culture, that the value system associated with safety and safe working has to be fully internalised as beliefs, almost to the point of invisibility, and that the entire suite of approaches the organisation uses are safety-based (Rochlin et al, 1987). What this also stresses is that the notion of a safety culture can only arise in an organisational context within which the necessary technical steps and procedures are already in place and in operation. Yet again, these are necessary but not sufficient preconditions for a safety culture (LaPorte & Consolini, 1991, Laporte, 1996, Turner & Pidgeon, 1997).

Table 4 breaks down general organisational cultures into more detail. The internals may be reflected at any cultural level, so managerial style will vary from pathological through to generative (see below). The Walk/Talk headings are intended to distinguish the more passive from the active components. Filling in these components helps define how a culture appears and how a culture should be. The next section discusses a progression of cultures.

**Table 4: The Safety Culture dimensions and internal structure.
These are filled in with different descriptions for each level of the safety culture attained.
For each cell it should be possible to think in terms of the values,
beliefs and practices that apply. This is done in Table 5.**

TALK **Communication**	**Organisational Attitudes**	**WALK** **Safety**	**Organisational Behaviour**	**Working Behaviour**
Flow of data and information about safety	Workforce attitudes to management	Organisational status of safety Department	Managerial style and behaviour	Priority setting between production and safety
Management informedness about the true state of affairs	Management attitudes about the workforce	Rewards of good safety performance	Level of care for stakeholders	Risk appreciation by those at personal risk
Workforce informedness about the true state of affairs	Collective efficacy – the belief that people can get things done	Procedures and the use of initiative	Dealing with change	On-site behaviour by the workforce and management
		Design – safety as a starting point	Reaction to trouble when it happens	Environment seen as critical

Described in this way we can see how crucial is the notion of belief. The overt knowledge about safety, taken together with a set of values, may still not be enough when difficulties arise, although in easy times behaviour may be exemplary. In the last resort what drives a person, and I would argue an organisation, is less their knowledge than their beliefs. When knowledge clashes with belief the more deep-seated is likely to come out on top as the driver of behaviour, and beliefs, even as articles of unjustified faith, are more deep seated than any rationally acquired knowledge. The latter may be easily disproved or set aside, belief is much harder both to induce and, then, to shift.

The final stages, identified by Westrum in his studies on high reliability organisations and labelled *generative*, involve a much more proactive approach to safety. Whereas the calculative stage represents a reactive approach, using past experience to determine future behaviour, the generative approach may be characterised by a much more internalised model of *good practice* as its driver. This model becomes internalised as a set of beliefs about why and how the organisation operates, about what is the best way to do things. Assumptions about the *need* to be safe are unquestioned; everything else, in contrast, is open for discussion and improvement. A characteristic of this stage is the lack of complacency, even in the face of a dearth of accidents. This has been labelled *chronic unease*, which sums up the pessimistic stance that just because everything has gone well is just an indication that what is about to happen will be a new experience. Fortunately, chronic unease is balanced by optimistic presumption that what *does* happen can be faced and coped with. It does not imply shrinking from challenge, not pessimism elsewhere in the organisation. The generative stage can be equated to the High Reliability Organisations studied by the Berkeley Group (Rochlin et al, 1987; LaPorte & Consolini, 1991; Weick & Roberts, 1993).

One crucial difference between this stage, and prior stages in the evolution of a safety culture, is that the human factor is considered to include both the individual and the organisation. The model of human behaviour has shifted from one in which workers have to be driven, and are not to be trusted, to a more mature understanding of what makes people tick. It is only at this point that it becomes possible to understand that establishment of a safety culture is still not enough, on its own, to counter all human error because such errors may be outside of the control of the immediate perpetrator.

This review suggests that the safety culture concept includes much more than just thinking that safety is important. Work practices and overt priorities not only include safety, but the whole way in which unsafe work is perceived reflects a major shift of point of view. This shift is from regarding individuals as a source of problems for an otherwise perfect organisation to one in which organisations can cause and cure their own problems by using the people who make them up.

Table 5: A more detailed set of descriptions of the different types of safety culture. HSE is Health, Safety and Environment. This table was defined for the Oil and Gas industry and hasserved as a reliable discrimination test.

	PATHOLOGICAL	REACTIVE	CALCULATIVE	PROACTIVE	GENERATIVE
COMMUNICATION	Nobody is informed, no feedback, everybody is passive, no care/ knowledge about safety, don't see(k) or ask the problem, collect what is legally required.	Management demands data on HSE failures, denial until forced to admit, top-down flow of information, bottom-up incidents, lots of statistics nobody understands, safety hot issue after accident.	Environment of command and control by management, lots of HSE graphs, statistics but no follow up, info goes top-down, failures bottom-up, little top-down feedback, toolbox meetings, procedures exist but are only once read. Action is delayed after knowledge.	Management goes out and seek, discuss for themselves they know what to change and how to manage, the feedback loop (bottom-up and top-down) is closing at supervisory level safety topics become part of other meetings, asked for by workforce, they need detail to understand WHY accidents happen.	No threshold between management-workforce, management participates/shares activities (dialogue), HSE is nr 1, all feedback loops are closed, safety is integrated in other meetings; no special safety meetings required, workforce keeps itself up-to-date, they demand information so they can prevent problems.
ORGANISATIONAL ATTITUDES	No believe or trust, environment of punishing, blaming and controlling the workforce.	Failures caused by individuals. No blame but responsibility, workforce needs to be educated and follow the procedures, management overreacts in eyes of workforce.	Workforce is more involved, little effect on procedures, designs, practices workforce does not understand the problem, management is seen as obsessive with HSE, but they don't 'mean' it. (Walk-talk).	Workforce involvement is promoted but ruled/organised by supervisory staff which is obsessed by HSE statistics.	Management is recognised as a partner by workforce, management respects workforce, management has to fix systematic failures, workforce has to identify them.
HSE	No HSE status, HSE issues are ignored, minimal requirements, no rewards on good performance, safety is inherited bur not known, reliance on experience.	Meets legal req. collects statistics but no follow up, design is changed after accidents, procedures are rewritten to prevent previous accidents no update or improvements.	HSE well accepted, advisor collects data and creates own statistics, HSE rewards for positive and negative performance, design: quantitative methods, procedures to solve unsolved problems, standard procedures preferred from the shelf, large numbers of procedures but few checks on use/knowledge.	Separate line HSE advisors promoting improvement, but try to reduce the inconvenience to line, for good HSE initiatives there is career enhancement for Sr. staff, HSE is in the early stages of design, procedures are rewritten by workforce, integration with competency, complaints about externally set targets.	HSE department is a small, advising the management on strategy, group, no special rewards, individual pride, procedures are written by workforce, continuous improvement, small numbers of procedures are integrated in training.
ORGANISATIONAL BEHAVIOUR	Denial anything is wrong, avoids HSE discussions, management is hierarchical and stagnant to changes, focus on profits not on workforce, workforce has lots of freedom-> mn don't care.	Man. Holds workforce responsible for failures, overreacting, management. States that it takes safety seriously, but is not always believed by workforce.	Detail focussed/playing with numbers, believe company is doing well in spite of contrary, targets are not challenged, inability to admit solutions may not work the first time.	Management knows the risks, interested in HSE, takes culture into account, safety priority over production which leads to incompatible goals, lots of management walk-abouts, communication and assessments about accidents and near-misses and their consequences.	Safety is equal to production, enthusiastic communication between workforce and management and vv, workforce has a lot of freedom-> trust.
WORKING BEHAVIOUR	Workplace is dangerous, messy, no (legal) health requirements, management does not CARE and does not KNOWS.	Basic leg. Requirements implemented, housekeeping is temp. Improved when inspection comes, management KNOWS but not always CARES.	Clean and tidy working environment, housekeeping is very important (prizes), Management CARES but not always KNOWS.	Management CARES and KNOWS, discussion about prioritisation, time and resources are available for sit improvements even before accidents happen.	Management CARES and KNOWS, workforce furnishes its own environment, management passes the experience around to other sites

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How can you achieve a Safety Culture?

We have been studying the safety culture of organisations in the oil and gas industry and it is clear that, to progress, one has to undergo a process of cultural change. These changes have to take place incrementally. It appears logical, at least, that it is impossible to go straight from the reactive to the proactive without going1 through the calculative stage because the proactive culture includes systems typical of the calculative. Similarly it is probably impossible to go from the pathological straight to the calculative stage.

Change Management

What has to be done for an organisation to develop along the line towards the generative or true safety cultures is a managed change process. The next culture defines *where* we want to go to, the change model determines *how* we get there. A model for developmental change has been proposed by Prochaska and DiClemente (1995). This model was originally developed for getting people off drug and other dependencies such as smoking, alcohol and over-eating. It proposes that there are five stages that the authors have identified. These stages are:

- **Precontemplation** – Not yet at a stage of considering the need for change. In safety terms a complacent belief that what can be achieved has been achieved. Coupled with the belief that further improvement is 'not possible in this business'.
- **Contemplation** – A stage at which the realisation is arisen that further improvement is possible. There is no actual change in behaviour and no steps are taken. Nevertheless the possibility of improvement is entertained.
- **Preparation** – Active steps are taken to prepare for change (in smoking this would be characterised by trying not to buy cigarettes, by not maintaining a stock; in dieting this might involve avoiding certain eating situations, but in both cases without actually smoking or eating less). Characterised by much backsliding.
- **Action** - The stage when the practice built up in the preparation stage is put to work. The beliefs are now that it is important and possible to stop the addictive behaviour. This stage needs to be actively supported while the pull to slide backwards is actively countered (in contrast to the previous stage when backsliding is characteristic).
- **Maintenance** – This stage is vital in maintaining a new, lower baseline of behaviour. This stage needs to be kept up and can often be lost with reversion to the behaviour characteristic of preparation and action.

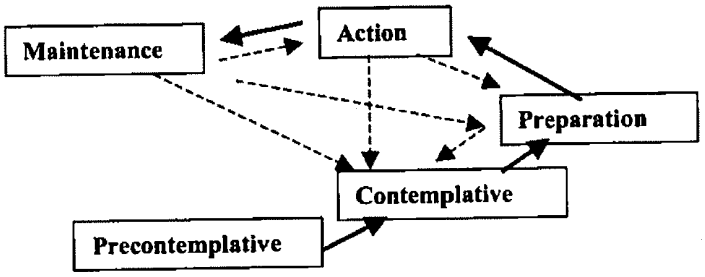

Figure II: Prochaska & DiClemente's change model. The dotted lines denote possible ways to fall back. Note that it is not possible to revert as far as the pre-contemplative mode once one has become aware. The remaining stages are, however, unfortunately quite possible as anyone who has tried to give up smoking knows.

Figure II shows the basic set of transitions from precontemplative through to maintenance, with back-sliding as dotted lines. The step back to precontemplative is not possible (i.e. the values remain intact, but beliefs in the possibility of meeting them may be severely damaged). What is contemplated will be different at each stage of safety culture, so the transition from proactive to generative includes concepts, values and beliefs incomprehensible to those at lower stages. The application of this transition process leads to a spiral when we take safety culture into account.

What is important in this model is the recognition of which stage a patient finds themselves in and the methods available to shift them through the transition from one stage to the next. The stages will require the definition of tools to determine which stage individuals and groups (in organisations) are currently in. The *transitions* that have to be made will require change tools. The term stage is used to refer to one of these treatment situations. A transition takes place between stages.

A Change Model for Organisations

A more articulated model, based upon the simpler Prochaska & DiClemente model, has been developed for managing successful change within organisations rather than individuals. This model, shown below in Table 6, puts together the requirements for change of belief that are so crucial in cultural development. What we have learned is that awareness is not enough, the creation of need and belief in the value of the outcome is equally vital in ensuring a successful process

The model, which has been recently developed in research for Shell International (Hudson et al, 2000), is very similar to any quality system Plan-Do-Check, but the internals of the stages, especially the Awareness and Planning stages, are often missed or treated very summarily. All too often, the active participation of those involved, in the awareness and planning stages, is replaced by a plan of action defined elsewhere. Such plans typically come from senior management, external corporate departments or consultants. What are needed are: (I) the creation of a personal need to change, (II) a belief in the ability to effect such change and (III) the clear understanding that individuals have control over their own process. These are factors that have been repeatedly found in the literature on motivation to influence final outcomes positively. It is just these factors we feel get to the Hearts and Minds of the workforce. When the beliefs and values associated with a new (and hopefully better) state have been assimilated and internalised, then the change has really taken place. This model can apply to safety, but it can also apply to Cost Leadership or any other desirable development in an organisational environment.

Table 6: The articulated Change Model for Organisations. Prochaska and DiClemente's original five stages are elaborated to 14 to cover the details required in real settings.

Pre-contemplation to Contemplation - AWARENESS
- *Awareness* – Simple knowledge of a 'better' alternative than the current state
- *Creation of need* – Active desire to achieve the new state
- *Making the outcome believable* – believing that the state is sensible for those involved
- *Making the outcome achievable*- making the process of achieving the new state credible for those involved
- *Information about successes* - provision of information about others who have succeeded
- *Personal vision* - definition by those involved of what *they* expect the new situation to be

Contemplation to Preparation - PLANNING
- *Plan construction* - creation by those involved of their *own* action plan
- *Measurement points* - definition of indicators of success in process
- *Commitment* - signing-up to the plan of all involved

Preparation to Action - ACTION
- *Do* - start implementing action plan
- *Review* - review progress with concentration upon successful outcomes
- *Correct* - reworking of plan where necessary

Maintenance - MAINTENANCE
- *Review* - management review of process at regular (and defined in advance) intervals
- *Outcome* - checks on internalisation of values and beliefs in outcome state

What are the barriers to success?

If there were no barriers, the development of a safety culture would never form a problem and safety cultures would abound. Why, then, do attempts fail? The reasons are to be found in the beliefs and practices that characterise an organisation and its members. In many cases organisations will naturally limit their development unless active steps are taken. In the worst cases organisations may actually revert. As all organisational cultures past the Pathological hold safety high in their value systems, reversion may appear to the participants to be less significant than it actually is.

Bureaucratic Cultures

One major reason is that the bureaucratic culture associated with the calculative safety culture is a powerful and comfortable one. An organisation that has struggled to be come proactive may easily revert, especially in the face of success. Generative organisations have many characteristics that are essentially anti-bureaucratic; the hierarchical structures break down under high-tempo operations (LaPorte & Consilini, 1991). What this demonstrates when it happens is that the beliefs, usually of top management, have never really moved on. The move from proactive to generative is also hard to make because, while the calculative and proactive stages may be fairly easy to identify and therefore acquire, the generative stage is more elusive. In a sense every calculative organisation will be the same, or at least very similar, despite differences in the tasks such organisations face. A generative organisation, in contrast, will be structured in ways specific to the tasks it has to accomplish. Therefore every generative organisation is likely to be subtly different from every other one. This makes it much harder to define where one is going when trying to transit from proactive to generative. It also makes it much easier to succumb to the temptation to prefer a well-defined organisation structure over a process that is much harder to regulate.

Regulators and the Law

The Regulator, possibly surprisingly, forms a barrier to development. This will not be the case in the earlier stages, going from pathological to reactive and on to calculative. The later stages will be harder because they often involve dropping just those facets, such as specialised safety staff and extensive management systems, that regulators require (by law) and that got the organisation there in the first place. Regulators are, with some honourable exceptions, more inclined to the letter than the spirit of the law. This can mean that an experimental improvement, typical of generative and proactive organisations, may well be actively discouraged. The fact that things might well get better is often irrelevant to the legal mind. The simplest remedy for this problem is what is called a goal-setting regime, such as is found in the many offshore oil and gas industries.

The problem faced by an enlightened regulator is that the law allows few distinctions based upon track record in the face of outcomes (Hudson, in prep). What we are looking for is a regulatory regime that is measured against the aspirations of organisations and the degree to which they attempt to attain them. In this sort of regime setting almost impossible standards is laudable, while failing to meet them is not necessarily reprehensible. What counts is the activity and the whole-hearted commitment. In such a regulatory regime meeting low standards might well attract more attention from the regulator than failing to meet high standards. While such enlightened regulatory regimes do not exist, regulators may remain a block to progress by the best.

Management Failure

Changes in top management, or management's priorities, at critical periods, may prove fatal to the successful transition to a higher safety culture. A cultural change is drastic and never takes place overnight. If a champion leaves, there is often no-one to take up the fight and the crucial top-down impetus is lost. But even without a personnel change there are two threats to the successful transition to a higher level of safety culture. One is success, the other failure. In the case of success, effective processes, tools and systems may be dropped, because the problem is perceived to have gone away. In the case of failure, old-fashioned approaches may be retrieved on the grounds that they worked before. But in both of these cases the new, and often fragile, beliefs and practices may not have become sufficiently internalised.

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A common problem in organisations that are struggling on the borderline between the calculative and the proactive/generative levels is success. Once significant improvements in outcome performance have been achieved management 'take their eyes off the ball' and downgrade efforts on the grounds that the problems have been solved. But this is behaviour typical of the reactive stance and represents a reversion. Management have to be truly committed to the maintenance of an advanced culture in the face of success, and such commitment is rare.

Change is hard

One underlying reason why cultural change often fails to succeed is that the new situation is unknown to the participants. If this is added to existing beliefs, such as the belief that the current situation is as good as it gets, then there is little real need to change and failure is almost certain. If these failures are at the level of the workforce, then strong management commitment may save the day. If the problems lie with management, then there is little hope because they will enforce the old situation, which feels most comfortable, on the most proactive of workforces. A colleague (G. Old, Pers. Comm.) has likened this to learning a new golf swing by changing the grip and the stance. At first the new position hurts, the old grip position much more comfortable. It takes time before the benefits of a new grip and the altered stance come through, you have to trust the pro, but you have to do the work! One advantage of this metaphor is that managers often play golf and can transfer their experience of learning a new swing to learning to manage an advancing culture. Change agents are like golf professionals, they can help develop a person's game, but they can't play it for them.

Conclusion

The discovery that a safety culture pays is crucial. One way a safety culture pays off, as the levels of trust improve, is in the quality of communication between management, and the rest of the company. As this is always pointed to as a source of problems, having a definitive focus for improving communication can only result in improved performance at all levels. Another way a safety culture pays is in the reduction in time and paperwork devoted to checking whether elementary safety-related actions are carried out. The other main reason why safety makes money lies in the fact that, if one has a guarantee of safety, then one can devote resources more effectively. What costs money is not safety, but bad safety management. Once the management of an organisation realises that safety is financially rewarding and that the costs incurred have to be seen as investments with a positive return (Hudson & Stephens, 2000), the road to a full safety culture should be open.

Given the financial inducements, why don't organisations try and develop the most advanced forms of safety culture? The answer seems to be contained in the type of culture the organisation is at the time. Pathological organisations just don't care. Reactive organisations think that there is nothing better and anyone who claims better performance is probably lying. They do what they feel is as good as can be done. Calculative/Bureaucratic organisations are hard to move because they are comfortable, even if they know that improvement is possible. The more advanced cultures, either Proactive or Generative, are probably easier to attain with small organisations. Large ones will inevitably be heavily bureaucratic unless active steps are taken to counter that tendency.

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, March 19, 2013 6:32 PM
To: jerry.schmitz@swgas.com; jlane@semprautilities.com
Cc: Doll, Laura; Jim Hall; Bob Chipkevich; wds2texas@aol.com; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov)
Subject: CPUC Safety Symposium Invitation list 031913.xlsx
Attachments: CPUC Safety Symposium Invitation list 031913.xlsx

Jerry, Bret--- could you please send a "hold the date" note to your invitees for your companies ---- the CPUC invitation will go out in the next week or so, as location plans are finalized. I've attached the latest version, including some additions to the panel that the General would like to pursue. Laura and I will go over the industry list and send a note.

I think by end of week, we should have any changes to the speakers completed (if the additions requested by the General do not materialize, I believe the previous list will work quite fine).

Thanks, and we'll discuss status on the Friday 1:30 call,

Jane

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May 7-8 CPUC Safety Symposium

	Name	confirmed	Organization	Title	email address	*Confirmation Assigned to:*
Day 1:						
Key Note						
1	Deborah P. Hersman	☑	NTSB	Chairman		–
Panel 1: Defining a Climate and Culture of Safety – what it really means						
Moderator: TBD						
1	Captain Jody Bridges	☑	US Navy	Naval Aviation Safety School		–
2	TBD		Director of Safety	NASA AMES		**General Hagan**
3	TBD		Alaska Airlines	CEO/COO		**Peter Goelz**
4	Paul Levy	☑	Medical/Regulatory	Author, former Chairman Mass. Public Utilities		–
5	Nick Stavropoulos	☑	PG&E	Senior Vice President, Gas Operations	N1SL@pge.com	–
Peter Goelz will coordinate questians for speakers						
Dinner Speaker						
1	Captain Sully Sullenberger	☑	Consultant	Former USAir Captain (Miracle on the Hudson)	cbsull3@gmail.com	–
Day 2:						
Panel 2: Lead or Regulate – how regulators and utilites effectively work with each other						
Moderator: Paul Clanon						
1	Mike Florio	☑	CPUC	Commissioner	mf1@cpuc.ca.gov	–
2	TBD		Washington PUC	Commissioner		**Laura Doll**
3	Scott Hipling		Author	National Regulatory Research Institute		**Laura Doll**
4	Chris Johns	☑	PG&E	President	cpi2@pge.com	–
5	Dennis Arriola	☑	SoCal Gas	President, CEO	Darriola@semprautjlities.com	–
6	Carl Weimer	☑	Pipeline Safety Trust	Executive Director	carl@pstrust.org	–
Laura Doll and Bill Scott will coordinate questions for speakers						
Panel 3: Elements of an Effective Pipeline Emergency Response						
Moderator: news/media						
1	Joanne Hayes-White	☑	SFFD	Chief	fireadministration@sfgov.org	–
2	Jerry Schmitz	☑	SouthWest Gas	Vice President, Gas Engineering	Jerry.Schmitz@swgas.com	–
3	Tim Butters	☑	PHMSA	Deputy Administrator	tim.butters@dot.gov	–
4	Susan Flemming	☑	GAO	Director, Physical Infrastructure	FlemingS@gao.gov	–
Bob Chipkevich will coordinate questions for speakers						
Closing						
	Michael Peevey		**CPUC**	**President**		**Kim Malcolm**

CPUC03178

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 19, 2013 7:18 PM
To: emory.hagan@cpuc.ca.gov; Yura, Jane
Cc: elizaveta.malashenko@cpuc.ca.gov; kimm711@msn.com; Malcolm, Kim (Kim.Malcolm@cpuc.ca.gov); Rosenthal, Andrea; Martinez, Susie; Doll, Laura
Subject: Symposium TO DO LIST as of 3/19/13

Here are the results of today's call with General Hagan, Jane Yura and Laura. I am deliberately NOT putting this in a separate worksheet/table/spreadsheet so it will be easier to read from PDAs. It is, of course, a work in progress.

Panel Makeup
Panel 1: Defining a Safety Climate and Culture

- Captain Jody Bridges, Naval Aviation School
- POTENTIAL: Col. Ken Cameron, USMC Ret., Astronaut, former Deputy Director NASA Engineering and Safety Center **GENERAL HAGAN TO CONTACT**
- Alaska Air COO: Pending (Symposium team is already contacting)
- CONFIRMED but pending: Paul F. Levy, former Chair of the MA Public Utilities Commission and nationally recognized leader of organizational change in the health care industry and public sector
- CONFIRMED but pending: Nick Stavropoulos, Senior VP of Gas Operations, PG&E, and formerly of National Grid
- Note: we likely would have only 3 or 4 panelists for this panel
- Potential moderator for this panel: Someone with legislative ties, e.g., Senator Alex Padilla? Other? **GENERAL HAGAN TO DISCUSS WITH BROWN AND CLANON**

Panel 2: Regulating Safety: Carrot or Stick? *A Dialog between Regulators and Utilities*

- Commissioner Michel Florio, CPUC
- Chris Johns, President, PG&E
- Dennis Arriola, President, SoCal Gas
- *Still checking on Sempra, but may be unavailable*
- POTENTIAL: another regulator, perhaps from NY, PA, or Washington State **DOLL TO GET INFO ABOUT CHAIR OF WASHINGTON CPUC; GENERAL HAGAN TO DISCUSS NY AND PA POSSIBILITIES AND SCOTT HEMPLING OF NRRI WITH CLANON**
- Moderator: Paul Clanon **GENERAL HAGAN TO CONFIRM**
- *Note: **Kim Malcolm** needs to follow up with Carl Wood about change in panel makeup*

Panel 3: Elements of Effective Pipeline Emergency Response

- Joanne Hayes-White, Chief, San Francisco Fire Department **CONFIRMED**
- Susan Fleming, Director, Physical Infrastructure, US Government Accountability Office and author of 2013 study on pipeline safety: "Better Data and Guidance Needed to Improve Pipeline Operator Incident Response" **CONFIRMED**
- Carl Weimer, Executive Director, Pipeline Safety Trust **CONFIRMED**
- Tom Butters, Deputy Administrator, PHMSA (and former Asst. Chief of the Fairfax Fire Dept and Director fo the Chemical Transportation Emergency Center; he also worked for FEMA) **CONFIRMED**
- Jerry Schmitz, VP, Gas Engineering, SouthWest Gas **CONFIRMED**
- *Note: we may need to trim this panel*

CPUC03179

- Moderator: someone with media/public affairs background **GENERAL HAGAN TO DISCUSS WITH CLANON THE POSSIBILITY OF JAY ALLEN (FORMER RADIO BROADCASTER AND CalEMA public affairs dir) OR Elizabeth Ashford of the Governor's Office**

Other issues

- General Hagan's to dos in addition to those previously listed:
  - contact Marine Memorial facility about potential Tuesday night dinner for 100
  - followup with Clanon re request to Governor for state facility use
  - followup about Gov Brown introductory video

- Symposium team (including Doll, Yura and other industry reps):
  - coordinate Monday night CEO/Presidents' dinner
  - finalize invitation list and coordinate with CPUC to get invitations out
  - finalize utility cost-sharing arrangements for speakers, refreshments, Tuesday dinner
  - finalize other panel speakers, coordinate travel arrangements
  - draft framework/questions for panels

- Other CPUC responsibilities – Kim, Liza
  - Coordinate event announcement with Terrie Prosper
  - Issue invitations when final facility logistics are nailed down
  - Make sure audio visual equipment is available
  - Arrange for staff assistance at the symposium

Let me know what I forgot!

Thanks
Laura

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Wednesday, March 20, 2013 10:04 AM
To: kdcameron37@aol.com
Cc: ejhagan@sbcglobal.net; Doll, Laura
Subject: Safety |Sympoisum 7-8 May 2013

Ken,

As we discussed last night, I am the Director of the Safety and Enforcement Division of the California Public Utilities Commission. I was brought in after the San Bruno pipeline explosion which killed 8 people in 2011. My mission is the change the culture of the PUC and the utility industries we regulate to embrace safety as toll and an enhancement to accomplish our missions.

As part of their culture change, Pacific Gas and Electric and the CPUC are sponsoring the first in a series of Safety Symposiums 7-8 May 2013, "Forging a New Vision of Safety in California". The audience will the 5 commissioners, their key staff, the directors of the PUC, and the presidents, CEO's and the members of the Board of Directors of the 4 major Gas companies in California. The symposium will consist of 3 panels. |The first will at 1300 on the 7th and be about Climate and Culture of Safety, the 2nd the following morning is "lead or regulate" and the 3rd is "Effectively managing a disaster."

I would like to invite you to participate along with Capt. Bridges, a Senior Executive from Alaskan Air, and Mr. Paul Levy former PUC commissioner from Mass and a SME on culture change.

P|G&E will be arranging all your travel and per diem. Please let me know if you are interested and if this works in your schedule.

Semper Fi,
BG H

(916) 267-7201 cell
"No one dies on my watch"
No better friend-no worse enemy!

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, March 21, 2013 6:27 PM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Safety Symposium, latest info
Attachments: CPUC Safety Symposium Invitation list 031913.xlsx

Hello all,
Here is the latest speaker list/invitees. Hopefully, we will finalize the open spots by end of week, and latest next Tuesday.

I may be late for the 1:30 call since I will be travelling – But Laura Doll will start the call for me. Dial In #1-877-326-0011, *415 973 1398*

Thank you,
Jane

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May 7-8 CPUC Safety Symposium

	Name	confirmed	Organization	Title	email address	*Confirmation Assigned to:*
Day 1:						
Key Note						
1	Deborah P. Hersman	☑	NTSB	Chairman		–
Panel 1: Defining a Climate and Culture of Safety – what it really means						
Moderator: TBD						
1	Captain Jody Bridges	☑	US Navy	Naval Aviation Safety School		–
2	TBD		Director of Safety	NASA AMES		**General Hagan**
3	**TBD**		**Alaska Airlines**	**CEO/COO**		**Peter Goelz**
4	Paul Levy	☑	Medical/Regulatory	Author, former Chairman Mass. Public Utilities		–
5	Nick Stavropoulos	☑	PG&E	Senior Vice President, Gas Operations	N1SL@pge.com	–
Peter Goelz will coordinate questions for speakers						
Dinner Speaker						
1	Captain Sully Sullenberger	☑	Consultant	Former USAir Captain (Miracle on the Hudson)	cbsull3@gmail.com	–
Day 2:						
Panel 2: Lead or Regulate -- how regulators and utilites effectively work with each other						
Moderator: Paul Clanon						
1	Mike Florio	☑	CPUC	Commissioner	mf1@cpuc.ca.gov	–
2	TBD		Washington PUC	Commissioner		**Laura Doll**
3	Scott Hipling		Author	National Regulatory Research Institute		**Laura Doll**
4	Chris Johns	☑	PG&E	President	cpj2@pge.com	–
5	Dennis Arriola	☑	SoCal Gas	President, CEO	Darriola@semprautilities.com	–
6	Carl Weimer	☑	Pipeline Safety Trust	Executive Director	carl@pstrust.org	–
Laura Doll and Bill Scott will coordinate questions for speakers						
Panel 3: Elements of an Effective Pipeline Emergency Response						
Moderator: news/media						
1	Joanne Hayes-White	☑	SFFD	Chief	fireadministration@sfgov.org	–
2	Jerry Schmitz	☑	SouthWest Gas	Vice President, Engineering	Jerry.Schmitz@swgas.com	–
3	Tim Butters	☑	PHMSA	Deputy Administrator	tim.butters@dot.gov	–
4	Susan Flemming	☑	GAO	Director, Physical Infrastructure	FlemingS@gao.gov	–
Bob Chipkevich will coordinate questions for speakers						
Closing						
	Michael Peevey		**CPUC**	**President**		**Kim Malcolm**

CPUC03183

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Thursday, March 21, 2013 6:34 PM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Symposium Panel 1 and 2 Questions

Hello all – these are the Panel 2 (Commissioners, Utilities, PST) Questions provided by Bill Scott and Panel 3 (emergency response) by Bob Chipkevich. For your input, comments.
Thank you,
Jane

****

Jane/Laura-Following are suggested talking points **for Panel 2**

. From the perspective of each of you-"what constitutes safe enough as it relates to the public safety performance of a gas utility"? Is this an abstract or empirical objective?
. Is it necessary to measure utility performance in key operational safety areas?
. Can the parties (utilities and regulators) agree on what these key public safety measures should be?
. What performance measures should exist that could define the condition of public safety for public safety by gas utilities in California?
. Should our expectations for public safety be specific, understood and agreed to by the parties or should they be mandated by the regulator?
. How can we know when we have met these expectations?
. Should all regulated gas utilities in California be required to measure these key public safety measures using the same methodology?
. Should these public safety performance measures be periodically published for the public?
. What specific recommendations can you make to improve the working relationship of the parties to public safety for gas operations in California?
. Is public safety really a "shared" responsibility for both he regulated companies and the regulator? If so what is the appropriate balance between the parties for this shared responsibility to the public?
. How can the companies do a better job of meeting regulator needs-what are the largest barriers to that success?
. How can the regulators do a better job of defining what and when they need something in a way that reduces frustration, improves productivity and the timeliness of reporting?

Jane/Laura-Jerry Hill in his letter to the PUC of 5/22/12 concluded his letter by asking "what constitutes a safe natural gas system"? This is additional validation for what we have been asking. I wonder if this should not be the title for this panel? Just a thought. If you could add to this as you see fit and send to the team members for tomorrow's conference call it would be appreciated.

Bill Scott

****

Jane and symposium team - below is a draft of information that can be provided to panel 3 to help them prepare for the symposium.

Panel 3 - Elements of an Effective Pipeline Emergency Response

(We need to inform panel 3 about the topics of the first 2 panels: 1- Defining a Climate and Culture of Safety and 2- Safety as a Shared Responsibility)

Participants on Panel 3 will include:

Chief Joanne Hayes-White, San Francisco Fire Department
Tim Butters, Deputy Administrator of the Pipeline and Hazardous Materials Safety Administration
Jerry Schmitz, Vice-President Gas Engineering, Southwest Gas
Susan Fleming, Director, Physical Infrastructure, GAO

Suggested topics of discussion for panel 3 are:

- What are the elements that make a response to a gas pipeline emergency successful?
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.
- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.
- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.
- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any damage that does not result in an immediate release.

Suggestions welcome. Anything you all would like to add or delete?

Bob

Chief Hayes-White - proposed topics for her discussion include her views on issues such as cooperation needed between gas utilities and fire departments in planning and preparing for gas emergencies; coordination and communication; access to gas system maps; training and exercises; responses to gas leaks and emergencies; the need for gas system shut-off valves and the ability of utilities to isolate leaks timely; and public education.

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, March 22, 2013 5:20 PM
To: Yura, Jane; jlane@semprautilities.com; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com); Martinez, Susie; Rosenthal, Andrea
Cc: Doll, Laura
Subject: Virtual meeting

Hi everyone –
The "core" team of Schmitz, Malashenko and Doll met today with the following action items and assignments:

1. Meeting location: The Milton Marks Auditorium at 455 Golden Gate is set for Tuesday May 7. The CPUC is still working to confirm availability on May 8, but the CPUC auditorium at VanNess is a backup possibility. **LIZA will follow up with Aaron**
2. Tuesday dinner: Likely location is the Marine's Memorial facility near Union Square. **DOLL, HAGAN, MARTINEZ will visit** the site Monday at 4:30 and confirm.
3. Hersman and Sullenberger invitations: final edits are being made to letter and it is targeted to go out Monday. **LIZA**
4. Invitations: hoping to have final venue details next week; will prepare invitation text and set up website for RSVPs.
   Target date for sending invitations is by Tuesday April 2 **DOLL, ROSENTHAL**
5. Panel 1: Gen Hagan has confirmed Captain Jody Bridges and Astronaut and Colonel (USMC Ret) Ken Cameron for Panel 1; we still need the Alaska Air person **(PETER?)**, and confirmation of Paul Levy **(JANE)** Potential legislative moderator is being identified by the CPUC **(LIZA)**
6. Panel 2 will now be the Emergency Response panel, and will consist of Hayes-White, Schmitz, Butters and Weimer. General Hagan is working on moderator **(LIZA)**
7. Panel 3 (Lead or Regulate) still needs another regulator. Comm Paul Roberti of Rhode Island has been invited; Commissioner Colette Honorable (Arkansas) will be approached if Roberti says no. Paul Clanon has agreed to moderate **DOLL**
8. Questions/issues for discussions for each panel: still need drafts from **Peter and Bob**

Some progress this week – just about 6 weeks to go!

Laura

From: Yura, Jane
Sent: Thursday, March 21, 2013 6:27 PM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Safety Symposium, latest info

Hello all,
Here is the latest speaker list/invitees. Hopefully, we will finalize the open spots by end of week, and latest next Tuesday.

I may be late for the 1:30 call since I will be travelling – But Laura Doll will start the call for me. Dial In #1-877-326-0011, *415 973 1398*

Thank you,
Jane

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, March 25, 2013 2:14 PM
To: 'Laura Doll (LRDD@pge.com)'; 'Yura, Jane <JKY1@pge.com> (JKY1@pge.com)'
Subject: New Time Proposed: CPUC Safety Symposium -- Status meeting

Laura,

Can we move this meeting to 1pm or 3pm? I can't do 1.30 this Friday. Alternatively, you can all meet and then send me a note. I can send you my summary before the meeting.

Thanks,

Liza

Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, March 25, 2013 6:30 PM
To: Doll, Laura; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); jlane@semprautilities.com; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Safety Symposium -- Status meeting

All, I am adjusting the time slightly for this Friday's call to accommodate schedules,
Thx
Jane
****

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, March 25, 2013 9:10 PM
To: Yura, Jane
Subject: Accepted: CPUC Safety Symposium -- Status meeting

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Tuesday, March 26, 2013 9:20 AM
To: 'Laura Doll (LRDD@pge.com)'
Subject: Call me

Laura,

When you get a minute, call me about the symposium. Paul has issues with us inviting Sullenberger because he'll be speaking at the PG&E sponsored dinner.
Working to get Hersman letter out in the meantime.

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 26, 2013 10:09 AM
To: Malashenko, Elizaveta I.
Subject: RE: Call me

Just called you – I'm at my desk: 973.8663.

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Tuesday, March 26, 2013 9:20 AM
To: Doll, Laura
Subject: Call me

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Tuesday, March 26, 2013 4:56 PM
To: 'Laura Doll (LRDD@pge.com)'
Subject: Symposium Questions

Laura,

The letter of invitation for Chairman Hersman went out (hard copy). Do we also need to e-mail it? If so, would you happen to have her e-mail address?

I'm still waiting to hear back from Paul on Sullenberger letter. In case he wants to mail it, do you happen to have his mailing address?

Thanks,

Liza

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Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 26, 2013 5:08 PM
To: Malashenko, Elizaveta I.
Cc: Yura, Jane
Subject: RE: Symposium Questions

I don't believe we have an email for Hersman as it seems the protocol is rather formal at NTSB. But could you pdf it to us? Perhaps Jim Hall could use it in outreach to her.

I saw Paul this afternoon and I know he's uncomfortable with the CPUC inviting Sullenberger. It may be easiest for us to handle that. I'm copying Jane for counsel.

Thanks

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Tuesday, March 26, 2013 5:15 PM
To: Doll, Laura; Malashenko, Elizaveta I.
Subject: RE: Symposium Questions

Hooray on Hersman!

Ok – PG&E can invite Cpt Sullenberger formally. I will send him an email and confirm his attendance, and that we are working on the arrangements.

Do we know if the emails to the other panelists went out? I think they were going out under either the General's or Paul's email?
Thank you,
Jane

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Sent: Tuesday, March 26, 2013 5:08 PM
To: Malashenko, Elizaveta I.
Cc: Yura, Jane
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To: Doll, Laura
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Liza

Elizaveta Malashenko
Acting Deputy Director

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Tuesday, March 26, 2013 5:28 PM
To: 'Laura Doll (LRDD@pge.com)'
Cc: 'Yura, Jane <JKY1@pge.com> (JKY1@pge.com)'
Subject: FW: Honorable Deborah A. P. Hersman (NTSB) Invitation Letter Re: Forging a New Vision of Safety in California
Attachments: 03-26-2013 Hersman Invite.pdf

Hi,

See attached the letter that got mailed to Chairman Hersman today via snail mail.

Liza

PUBLIC UTILITIES COMMISSION
STATE OF CALIFORNIA
505 VAN NESS AVENUE
SAN FRANCISCO, CALIFORNIA 94102

MICHAEL R. PEEVEY
PRESIDENT

TEL: 415 703-3703
FAX: 415 703-4609

March 26, 2013

Honorable Deborah A. P. Hersman
National Transportation Safety Board
490 L'Enfant Plaza
Washington, D.C. 20594

Dear Chairman Hersman:

On behalf of the California Public Utilities Commission, I would like to thank you for confirming your intent to speak at our May 7, 2013, symposium "Forging a New Vision of Safety in California." The first in a series of safety symposiums, "Safety in California" will address key issues and explore solutions to public safety concerns in California's public utility sector. We hope that through this event and subsequent working meetings we will be able to better define, create, and sustain a safety-first culture for public utilities in the State of California.

The symposium will allow industry leaders, government representatives, and members of the public to convene, discuss, and make recommendations that will help to create a more purposeful safety-first culture across California. This will be achieved through interactive workshops, panels and presentations, designed to share best practices for public safety. We will help foster understanding of safety expectations and the consequences of failure, and assert that safety, with respect to human life and property, is non-negotiable. Our goal is to collaborate across industry, government, and the public to help dramatically improve the safety of our public utility systems.

As you plan for participation, I suggest we arrange a time to review logistics and ideas for your remarks. In the meantime, please feel free to contact Carol Brown directly at (415) 703-3703 or carol.brown@cpuc.ca.gov. On behalf of the CPUC, thank you very much for playing such an integral role in helping us kick off our first of a series of symposiums.

Sincerely,

Michael R. Peevey
President

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, March 26, 2013 7:24 PM
To: Hagan, Jack (Brigadier General – CA)
Cc: Yura, Jane; elizaveta.malashenko@cpuc.ca.gov; Doll, Laura
Subject: Conway, not Cameron?

General – Please confirm my memory that you said that Ken Cameron, is NOT available for the symposium? And that the person who IS available is Robert Conway, Manager of Quality Engineering at Disney and Member of the Aerospace Safety Advisory panel at NASA? If indeed it is Conway, do you have more contact info for him? I only have bob.e.conway@disney.com

We are still trying to nail down the Alaska Air person for that first panel.
Current makeup of the panel is:

- Captain Jody Bridges
- Alaska Air (TBD)
- Robert Conway, Disney, NASA
- Nick Stavropoulos, PG&E (formerly National Grid)

We no longer believe Paul Levy will be available to attend. Nick will do a very good job.

Thanks
Laura

From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Wednesday, March 20, 2013 10:04 AM
To: kdcameron37@aol.com
Cc: ejhagan@sbcglobal.net; Doll, Laura
Subject: Safety |Sympoisum 7-8 May 2013

Ken,

As we discussed last night, I am the Director of the Safety and Enforcement Division of the California Public Utilities Commission. I was brought in after the San Bruno pipeline explosion which killed 8 people in 2011. My mission is the change the culture of the PUC and the utility industries we regulate to embrace safety as toll and an enhancement to accomplish our missions.

As part of their culture change, Pacific Gas and Electric and the CPUC are sponsoring the first in a series of Safety Symposiums 7-8 May 2013, "Forging a New Vision of Safety in California". The audience will the 5 commissioners, their key staff, the directors of the PUC, and the presidents, CEO's and the members of the Board of Directors of the 4 major Gas companies in California. The symposium will consist of 3 panels. |The first will at 1300 on the 7th and be about Climate and Culture of Safety, the 2nd the following morning is "lead or regulate" and the 3rd is "Effectively managing a disaster."

I would like to invite you to participate along with Capt. Bridges, a Senior Executive from Alaskan Air, and Mr. Paul Levy former PUC commissioner from Mass and a SME on culture change.

P|G&E will be arranging all your travel and per diem. Please let me know if you are interested and if this works in your schedule.

Semper Fi,
BG H

(916) 267-7201 cell
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No better friend-no worse enemy!

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Harris, Frederick

From:	Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent:	Wednesday, March 27, 2013 6:44 AM
To:	Laura Doll
Subject:	Fwd: Background Information Regarding Bob Figlock and Advanced Survey Design, LLC
Attachments:	Short Bio of Robert Figlock (3-22-13).docx; ATT00001.htm; Robert Figlock Curriculum Vitae.docx; ATT00002.htm; ASD Corporate Overview .doc; ATT00003.htm

Here is the other panelist

Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

Begin forwarded message:

> **From:** "Robert Figlock" <RFiglock@AdvancedSurveyDesign.com>
> **To:** "ejhagan@sbcglobal.net" <ejhagan@sbcglobal.net>, "Hagan, Jack (Brigadier General – CA)" <emory.hagan@cpuc.ca.gov>
> **Cc:** "rfiglock@AdvancedSurveyDesign.com" <rfiglock@AdvancedSurveyDesign.com>, "ASD Management" <Management@AdvancedSurveyDesign.com>
> **Subject: Background Information Regarding Bob Figlock and Advanced Survey Design, LLC**
>
> Mr. Hagan,
>
> It was a pleasure speaking with you today by telephone. The climate/culture symposium that you are putting together on 7-8 May sounds like a worthwhile project. Thank you for considering me to participate in it.
>
> In response to your request, I am providing you with the following information:
>
> * my short bio
> * my curriculum vitae
> * an overview of Advanced Survey Design, LLC (website: AdvancedSurveyDesign.com)
>
> I look forward to working with you.
>
> V/r,
>
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Robert Figlock, Ph.D. – President, Advanced Survey Design, LLC

Dr. Figlock oversees the operations of Advanced Survey Design, a California-based Service Disable Veteran Owned Small Business (SDVOSB). He is a retired Marine aviator. Dr. Figlock has a Ph.D. in Applied Management and Decision Science and has held the position as assistant Professor at the School of Aviation Safety, Naval Postgraduate School, Monterey, California. He has been administering online organizational climate assessments to government and private business organizations for more than 12 years. As the head of Advanced Survey Design, he is guiding military officials and civilian corporate leaders in the assessment of their organizational climates, as well as helping to develop strategies for organizational improvement.

Advanced Survey Design, LLC.
Surveying the future

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Corporate Overview

Advanced Survey Design (ASD) provides a comprehensive survey assessment process to assist clients in better understanding their organizational climate and improving their operational effectiveness. While specializing in web-based survey administration and feedback, ASD offers a variety of products and services:

- Customized survey development
- Tailored interactive survey website design
- Web-based, off-line computer based, or pencil/paper questionnaire administration
- Real-time data display
- In-depth data analysis and personalized feedback/reports
- Intervention strategy development
- Survey website hosting
- Customized training packages, presentations, seminars, and workshops
- On-line maintenance error information management system

ASD believes that three features are essential for survey success and encourages their use:

- ✓ Preserving survey **response anonymity**
- ✓ Safeguarding **organizational confidentiality**
- ✓ **Restricting access** to survey results

ASD currently focuses on operational and maintenance safety climate assessments using a survey process well-grounded in organizational theory and risk management concepts applied to high reliability organizations. This focus is readily tailored to other domains employing the same theoretical and conceptual foundations.

ASD maintains an on-line Maintenance Error Information Management System (MEIMS) capable of inputting, tracking, analyzing, and reporting maintenance incidents. MEIMS uses the Human Factors Analysis Classification System (HFACS) for its framework. This system is also adaptable to other domains.

ASD's **mission** is to assist clients in better understanding their organizational climate so they can achieve success through quality problem solving using current, accurate, and useful information.

ASD's **vision** is to deliver reliable, relevant, and responsive data to a growing number of businesses that embrace data-driven process improvement.

ASD maintains a strong corporate "conscience" and thus, an unwavering code of ethics when dealing with potential customers, clients, and competitors. Our code revolves around four basic principles:

- integrity
- trust
- confidence
- protected communication

Description of Process

ASD specializes in web-based survey assessments that measure the organizational climate of its clients. However, methods for completing surveys other than on-line are also available, to include: off-line, computer-based or pencil/paper questionnaire options.

During contract negotiations with the client, ASD will establish:

- Survey administration policies, rules, and procedures
- Timelines
- Deliverables

Other pertinent survey issues also requiring complete definition include:

- Survey response anonymity
- Organizational confidentiality
- Restricted viewing access
- Data analysis and research limitations

Following contract negotiation, a comprehensive organizational assessment and improvement system is implemented which may include any or all of the following (refer to Exhibit 1):

1. Customized survey development
2. Tailored survey website design (and hosting, if desired)
3. Survey construction (onto a survey website)
4. Survey administration (policies, rules, procedures, implementation/administration)
5. Location-specific post-survey debriefing with real-time data display
6. In-depth data analysis
7. Personalized feedback/reports
8. Intervention strategy development
9. Specialized training
10. Recurring, periodic survey implementation (Repeat 4-8, as necessary)

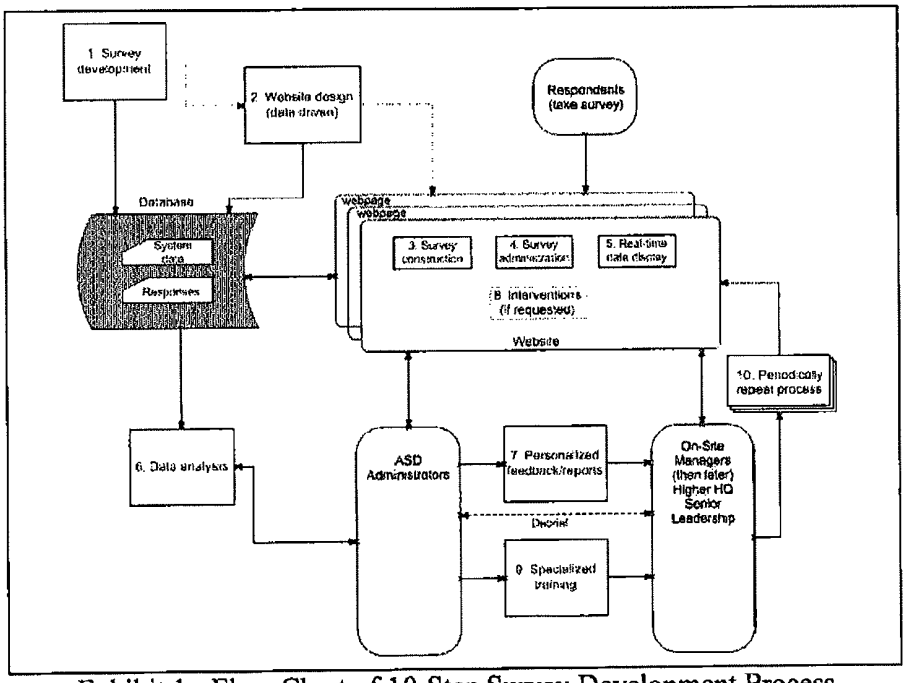

Exhibit 1: Flow Chart of 10-Step Survey Development Process

A brief synopsis of each element in the system follows:

1. Customized survey development – The foundation of the process is to design a survey that measures what the client wants evaluated. This is accomplished by meeting with the client and mutually defining exactly what information is being sought. Next, ASD interviews the client's subject matter experts to develop a "preliminary set" of potential survey items. In addition, ASD will conduct a thorough literature review for pertinent information and similar surveys with comparable topics to expand upon the "preliminary set" of survey items. ASD then reviews this expanded set of survey items with the client and develops a "test set" of survey items. ASD completes the development process by conducting a beta test of the product from which a "final set" of survey items is recommended.

2. Tailored website design (and hosting, if desired) – Concurrent with survey development, ASD creates a website tailored to the client's needs. If the client desires, ASD will host this website.

3. Survey construction (onto a survey website) – Upon completion of the first two steps, ASD incorporates the "final set" of survey items onto the survey website.

4. Survey administration (policies, rules, procedures, implementation/administration) – If desired, ASD can administer the survey process for the client. Survey administration policies, rules, and procedures established during client negotiation will be implemented. Policy regarding survey administration will be published on the survey website. The key issues to be resolved include who will have access to the data and to what degree are a group's results visible outside that group.

5. Location-specific post-survey debriefing with real-time data display – Upon achieving specified thresholds of survey responses, aggregate data becomes available for display. A "dashboard" display of this data can be made available using restricted access codes provided to select individuals as agreed upon during client negotiations. On-line data is updated in real-time.

6. In-depth data analysis – In-depth analysis of client data (in addition to that provided by the survey software) can be conducted by ASD. The level of analytical support is determined during client contract negotiations.

7. Personalized feedback/reports – Two levels of feedback/reports are available. First level, feedback/reports are generated by the survey software and available to select individuals (as discussed in step 5). Second level, specialized feedback/reports can be produced in addition to the on-line reports. These feedback/reports are determined during client contract negotiations.

8. Intervention strategy development – ASD examines the survey data for links between the data and potential risks. ASD has software modules that can be populated with intervention strategies generated by the client and/or ASD. The level of intervention strategy development is determined during client contract negotiations.

9. Specialized training packages – ASD provides presentations, seminars, workshops, and other training packages that focus on specific survey areas. These packages can be tailored to suit client needs. Training packages cover a variety of subject areas (e.g., risk management, crew resource management, incident investigation, organizational communication, etc.) and can be presented in several different formats (e.g., DVDs, PowerPoint presentations, on-line training, program texts, etc.). ASD has the capability to expand its training menu based upon client needs.

10. Recurring, periodic survey implementation – The strength of the ASD program is the ability to easily replicate the process periodically to measure change over time. Steps 4-8 of the survey process cycle would be repeated, as desired by the client.

If the survey process is conducted on-line, then the complete assessment system is recommended. Steps 6-10 are optional, left to the customer's discretion regarding the level of detail desired. The complete assessment and improvement system provides customers the maximum advantage of the survey data collected.

If the survey process is conducted off-line using a stand-alone computer, then the survey process is modified. *Tailored website design*, is then designed for CD use, and *Survey construction and survey administration*, are completed using the CD.

If the survey process is conducted using a pencil/paper questionnaire, then Steps 2-5 of the process are adapted to a spreadsheet format. Later, data can be either entered into an electronic debriefing product or the data can be hand-calculated and debriefed. The last method of employment is more time consuming and costly, not taking advantage of electronic tools available to handle mass data collection, analysis, and feedback/display.

Background of the Survey Process

The framework for the survey process is based upon the Human Factors Analysis Classification System (HFACS) taxonomy, a derivative of James Reason's "Swiss Cheese" model of mishap causation (1990). The HFACS model (Weigmann & Shappell, 1996) – a model now recognized throughout the Department of Defense (DoD) and becoming accepted in general industry – fleshed out Reason's human error model by providing and defining subordinate categories to each of the model's four main tiers:

- Acts
- Preconditions
- Supervision
- Organizational influences

Factor analyses of safety climate survey data have been conducted. These analyses point to survey item categorization that aligns with the HFACS model.

Value

Value associated with the use of organizational climate assessment surveys includes:

- Measures current organizational climate (proactive tool)
- Highlights areas at increased risk of failure
- Offers a reliable process for repeated measurement
- Presents leadership with a "big picture" of how things are actually done

Corporate Leadership

Three individuals comprise the core of ASD and are each a corporate officer within the LLC. Each is committed to ASD's success and brings a wealth of unique talents to the organization:

- Robert Figlock – President. His talents/experiences include:
  - -- Ph.D. in Applied Management and Decision Science
  - -- MS in Systems Management
  - -- BS in Education (mathematics major)
  - -- Retired Naval aviator with 25+ years rotary/fixed wing aviation experience
  - -- Teaching experience (more than 15+ years)
  - -- Crew Resource Management (CRM) instructor
  - -- Operational Risk Management (ORM) instructor
  - -- Administrator of on-line survey processes (10+ years)
  - -- Program management experience (20+ years)
  - -- Training plan/course development and presentation/instruction

- Michael Schimpf – Vice President of Operations. His talents/experiences include:
  - -- MS in Electrical Engineering (Naval Postgraduate School)
  - -- BS in Aerospace Engineering (MIT)
  - -- Naval aviator with 10+ years aviation experience
  - -- Naval jet flight instructor/fighter pilot
  - -- Analytical expertise
  - -- Information Technology expertise
  - -- Administrator of on-line survey processes (5+ years)

- Rorick Sellers – Director of Engineering. His talents/experiences include:
  - -- BA in Physics
  - -- Private contractor/software engineer (25+ years)
  - -- Copyright holder of several on-line survey software programs
  - -- On-line survey process designer/software engineer (5+ years)
  - -- Information Technology expertise

Contact

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EDUCATION

Ph.D. Applied Management and Decision Science; Walden University, Minneapolis, MN (August 2002)
M.S. Systems Management, Safety; University of Southern California, Los Angeles, CA (May 1982)
B.S. Secondary Education, Mathematics; Bloomsburg University of Pennsylvania; Bloomsburg, PA (May 1972)

ACADEMIC EXPERIENCE

2004-2005 Research Associate, Meyer Institute of Systems Engineering, Naval Postgraduate School
2004-2005 Assistant Professor, School of Aviation Safety, Naval Schools Command (Pensacola, FL)
1995-2004 Lecturer/Assistant Professor, School of Aviation Safety, Naval Postgraduate School
1992-1995 Director, Regional Studies, Marine Corps War College, Marine Corps University
1989-1992 Instructor, School of Aviation Safety, Naval Postgraduate School
1988-1989 Head, Instrument Ground School, Marine Aircraft Group 36, First Marine Aircraft Wing

AWARDS

- Naval Postgraduate School "*Outstanding Instructional Performance*" (*1991, 1997, 2002*)
- Marine Corps Command & Staff College, Marine Corps University, *Distinguished Graduate*
- Naval Postgraduate School, Aviation Safety Officer Course, *Honor Graduate*

WORK EXPERIENCE

- President, Advanced Survey Design, LLC. Monterey, CA
- Research Associate, Meyer Institute of Systems Engineering, Naval Postgraduate School, Monterey, CA
- Lecturer, School of Aviation Safety, Naval Schools Command, Pensacola, FL
- Lecturer/Assistant Professor, Naval Postgraduate School, Monterey, CA
- U.S. Marine Corps Lieutenant Colonel (retired) with over 27 years operational and leadership experience
- Naval Aviator qualified as aircraft commander, flight leader, instrument instructor, flight evaluator, functional check pilot, and Weapons & Tactics Instructor with more than 2,400 flight hours
- Interim Director of the School of Aviation Safety, Naval Postgraduate School, Monterey, CA
- Deputy Director of the Marine Corps War College, Marine Corps University, Quantico, VA
- Director of Safety and Standardization for Marine Aircraft Group 36, Okinawa, Japan
- Director of Safety and Standardization for Marine Aircraft Group 16, Tustin, CA
- Aviation Safety Officer for Marine Medium Helicopter Squadron 164, Tustin, CA
- Defense Systems Analyst at the U.S. Marine Corps Combat Development Command, Quantico, VA
- Quality Engineer, Kaiser Aluminum & Chemical Corp., Trentwood Plant, Spokane, WA

PROFESSIONAL ACCOMPLISHMENTS

- Certificate of Advanced Graduate Study; Risk Management; California Coast University (1992)
- Co-developed a web-based, organizational-level, safety climate assessment system
- Developed/Implemented Crew Resource Management (CRM) and Operational Risk Management (ORM) classes in the School of Aviation Safety curriculum, Naval Postgraduate School
- Promoted to Assistant Professor while Instructor, School of Aviation Safety, Naval Postgraduate School
- Planned/Executed "Process for Accreditation of Joint Education," Marine Corps War College, Marine Corps University

MILITARY EDUCATION

- Operational Risk Management Application and Integration Course, Naval Safety Center (1999)
- Risk Management Course, U.S. Army Safety Center (1995)
- Fundamentals of Total Quality Leadership, Headquarters Marine Corps (1993)
- Aircrew Coordination Training (ACT) Instructor Course, CAE Link Corp (1990)
- Aviation Safety Command Course, Naval Postgraduate School (1988)
- Command & Staff College, Marine Corps University, *Distinguished Graduate* (1986)
- Aviation Safety Officer Course, Naval Postgraduate School, *Honor Graduate* (1979)
- Weapons & Tactics Instructor (WTI) Course, Marine Air Weapons Tactics School (1979)
- U.S. Naval Flight School, Pensacola, FL (1973)

ACADEMIC & PROFESSIONAL SOCIETIES

- Human Factor and Ergonomics Society (since 2000)
- Phi Sigma Pi National Honor Fraternity (since 1970)

CAREER SYNOPSIS

As President of Advanced Survey Design (ASD), LLC, I oversee the business practices and operations of a continuously growing service-disabled veteran-owned, small business (SDVOSB). ASD provides organizational insight through data driven products, services, and cultural assessment tools. ASD's web-based surveys are used by the Department of Defense (DoD) in their efforts to shape organizational culture and improve operational effectiveness. Now, as the leader of ASD, I am guiding government and corporate leaders in the assessment of organizational hazards and implementation of intervention strategies.

Prior to ASD, I was a faculty member of the School of Aviation Safety for 14 years and a research associate at the Meyer Institute of Systems Engineering, Naval Postgraduate School, Monterey, California. With a proven academic track record, I am a frequent speaker at military safety forums, safety conferences, and academic institutions. I am a retired Marine aviator with more than 2,500 civil/military rotary and fixed wing flight hours and 30 years safety/mishap investigation experience. I hold a Bachelor of Science degree in education (mathematics), Master of Science degree in systems management, and a Doctor of Philosophy degree in applied management and decision science.

While at the Naval Postgraduate School I taught students in the Aviation Safety Officer (ASO) and Aviation Safety Command (ASC) courses. The ASO course prepares graduates to organize and administer a mishap prevention program at the organizational level. The ASC course is an executive-level safety course tailored for prospective and current Commanding Officers. My accomplishments include: (1) development of an operational risk management (ORM) instructor course, (2) construction of an organizational Culture Workshop curriculum, and (3) creation of a web-based survey instrument to assess organizational safety climate. During this period, I also conducted safety-related research for National Aeronautics and Space Administration (NASA), Secretary of the Navy (SECNAV) Safety and Survivability Branch, Marine Corps Safety Division, Army Combat Readiness Center; and Commander Naval Air Forces (CNAF).

PUBLICATIONS (On-Line)

I. Chronological list of Naval Aviation publications: https://www.SafetyClimateSurveys.org

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Figlock, R. Issue Paper #134. (September, 2012). Safety standdowns (revisited). Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #125. (May, 2012). How do quality assurance (QA) personnel view maintenance? Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #124. (April, 2012). Parts availability. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #123. (April, 2012). Conflicts between individuals. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #122. (March, 2012). Tool qantity/quality. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #22. (January, 2012). Tool quantity/quality. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #119. (November, 2011). Contractor maintenance (CTR) survey. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #118. (November, 2011). Comparison of the five bottom-ranked survey items for the CSA, MCAS, & ASPA surveys. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #117. (October, 2011). Unit morale (from the maintainers' perspective). Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #116. (October, 2011). Micromanaging routine operations. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #20. (October, 2011). PTS/ERB survey comments. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #115. (September, 2011). Leaders care for members' quality of life. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #114. (September, 2011). Unit morale. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #113. (August, 2011). Crew rest. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #112. (July, 2011). A "quick look" at seatbelt use. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #111. (June, 2011). Naval aviation publications. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #20. (June, 2011). Our safety standdowns are effective. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #110. (May, 2011). Would you buy your car? Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #109. (May, 2011). QAR and CDI billets are desirable assignments in our unit. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #108. (May, 2011). Naval aviation motorcycle survey feedback (revisited). Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #19. (May, 2011). Perform to serve (PTS) survey comments. Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #105. (March, 2011). Cell phone use while driving. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #18. (March, 2011). Cell phone use while driving. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #17. (March, 2011). Tool control. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #103. (February, 2011). Maintainer work effectively as a team. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #101. (January, 2011). Leaders/Supervisors encourage reporting safety discrepancies without fear of negative repercussions. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #100. (December, 2010). List of issue papers & issue paper index (updated). Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #99. (November, 2010). Human factors councils' (HFCs') successes - revisited. Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #95. (August, 2010). NATOPS evaluations - revisited. Monterey, CA: Advanced Survey Design.

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Figlock, R. Discussion Paper #5. (May, 2010). Naval aviation COs' feedback regarding on-line survey results. Monterey, CA: Advanced Survey Design.

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Figlock, R. & Schimpf, M. White Paper #12. (December, 2009). Motorcycle survey observations (revisited). Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #81. (January, 2009). Comparison of CY-07 and CY-08 CSA favorable response Rates by aircraft community. Monterey, CA: Advanced Survey Design.

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Figlock, R. & Lawson, D. White Paper #6. (December, 2008). Motorcycle survey observations. Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #74. (October, 2008). Motorcycle survey feedback. Monterey, CA: Advanced Survey Design.

Figlock, R. Discussion Paper #2. (October, 2008). Comparison between CNAL O-5 commanders conference most pressing concerns –vs– CNAL lowest-scoring CSA survey items. Monterey, CA: Advanced Survey Design.

Figlock, R. Discussion Paper #1. (October, 2008). Comparison between CNAP O-5 commanders conference most pressing concerns –vs– CNAP lowest-scoring CSA survey items. Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #71. (August, 2008). What is my unit doing "right" and why. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #70. (August, 2008). MCAS survey item averages by work center. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #69. (July, 2008). Cell phone use while driving. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #67. (May, 2008). 101 critical days of summer: Motorcycle deaths. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #65. (May, 2008). 101 critical days of summer: Drinking and driving survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #64. (May, 2008). 101 critical days of summer: PMV survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #63. (May, 2008). 101 critical days of summer: Do you know what your people are doing this summer? Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #53. (October, 2007). ORM'ing PMV issues. Monterey, CA: Advanced Survey Design

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Figlock, R. Issue Paper #48. (July, 2007). COs/OICs' views regarding CSA/MCAS. Monterey, CA: Advanced Survey Design

Figlock, R. Issue Paper #44. (May, 2007). Providing feedback to survey respondents. Monterey, CA: Advanced Survey Design

Figlock, R. Issue Paper #42. (April, 2007). CSA/MCAS data quality. Monterey, CA: Advanced Survey Design

Figlock, R. Issue Paper #40. (February, 2007). Driving to/from work. Monterey, CA: Advanced Survey Design

Figlock, R. Issue Paper #39. (February, 2007). How well is your safety department supporting you? Monterey, CA: Advanced Survey Design

Figlock, R. Issue Paper #37. (January, 2007). Resilience engineering and the ability to adapt to change. Monterey, CA: Advanced Survey Design

Figlock, R. & Schimpf, M. White Paper #3. (January, 2007). CSA/MCAS survey frequency. Monterey, CA: Advanced Survey Design.

Figlock, R. & Schimpf, M. White Paper #2. (January, 2007). Are naval aviation commands maximizing their benefits from CSA/MCAS issue paper topics? Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #36. (December, 2006). What risk? Monterey, CA: Advanced Survey Design

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Figlock, Issue Paper #33. (November, 2006). MCAS comparison of major naval aviation commands by calendar year. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #32. (October, 2006). CSA comparison of major naval aviation commands by calendar year. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #31. (October, 2006). Comparison of major naval aviation commands. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #30. (September, 2006). Review of issue papers #16 through #29. Monterey, CA: Advanced Survey Design.

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Figlock, R. Issue Paper #28. (August, 2006). Use of the flight surgeon. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #27. (August, 2006). Communication – revisited. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #26. (July, 2006). Shortages. Monterey, CA: Advanced Survey Design.

Schimpf, M. & Figlock, R. Research Report. (July 2006). CSA and MCAS surveys and their relationship to naval aviation mishaps. Monterey, CA: Advanced Survey Design. (http://www.advancedsurveydesign.com/index_files/Page620.htm)

Figlock, R. Issue Paper #25. (June, 2006). Morale and motivation. Monterey, CA: Advanced Survey Design.

Figlock, R & Schimpf, M. Issue Paper #24. (June, 2006). Risk homeostasis . . . something to think about. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #23. (May, 2006). One example of the value of survey open-ended responses. Monterey, CA: Advanced Survey Design.

Figlock, R & Schimpf, M. Issue Paper #22. (May, 2006). Cutting corners to get a job done. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #21. (May, 2006). Operational risk management. Monterey, CA: Advanced Survey Design.

Figlock, R & Schimpf, M. Issue Paper #20. (April, 2006). Exploring day crew / night crew relationships. Monterey, CA: Advanced Survey Design.

Figlock, R. Issue Paper #19. (March, 2006). A room with one window . . . a 30% solution. Monterey, CA: Advanced Survey Design.

Figlock, R & Schimpf, M. Issue Paper #18. (March, 2006). Human Factors Councils (HFCs) success revisited. Monterey, CA: Advanced Survey Design.

Figlock, R. & Schimpf, M. Issue Paper #17. (February, 2006). Recognizing individual safety achievement revisited. Monterey, CA: Advanced Survey Design

Figlock, R. Issue Paper #16. (September, 2005). ASO billet desirability revisited. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #15. (August, 2005). Review of prior issue papers for common themes. Monterey,
CA: Naval Postgraduate School.

Figlock, R. Issue Paper #14. (July, 2005). Review of fleet replacement squadron CSA responses. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #13. (June, 2005). Resource adequacy–vs–organizational commitments. Monterey, CA: Naval Postgraduate School.

Selvy, R. (Edited by Figlock, R.). Issue Paper #12. (May, 2005). Hazard perceptions of commanders and squadron aircrew personnel. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #11. (March, 2005). Aircrew training–vs–`skill based error (SBE). Monterey, CA Naval Postgraduate School.

Figlock, R. Issue Paper #10. (February, 2005). Aircrew training. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #9. (December, 2004). Communication. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #8. (October, 2004). High "don't know" response rates: Do they indicate needed training? Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #7. (June, 2004). CSA survey consistency -- Same survey item asked twice yields similar results. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #6. (May, 2004). Safety NCO,QAR, and CDI billet desirability. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #5. (April, 2004). Peer influence doesn't discourage violations. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #4. (March, 2004). Human factors councils (HFCs) success at identifying "at risk" members. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #3. (March, 2004). Recognizing individual safety achievement. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #2. (February, 2004). Saying "N0" isn't part of naval aviation culture. Monterey, CA: Naval Postgraduate School.

Figlock, R. Issue Paper #1. (January, 2004). Are the percentages of non-favorable responses to CSA survey item #59 acceptable? Monterey, CA: Naval Postgraduate School.

II. Chronological list of Marine Corps publications: https://www.SemperFiSurveys.org

Figlock, R. GCASS Issue Paper #58. (October, 2012). A dozen reasons marine gave for not wearing their seatbelts. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #56. (August, 2012). DUI prevention initiative. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #55. (July, 2012). Communication (revisited). Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #53. (May, 2012). "Don't know" responses to GCA survey items. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #49. (March, 2012). Cutting corners to accomplish the job/mission (revisited). Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #45. (December, 2011). ORM, on-line surveys, & safety standdowns: A powerful combination. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #44. (December, 2011). Operational risk management. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #42. (October, 2011). Unit morale. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #41. (October, 2011). Quality of life. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #40. (July, 2011). A "quick look" at seatbelt use by marines. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #39. (July, 2011). GCA/HHQ survey response comparisons. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #38. (May, 2011). My unit's OD&R safety program works well to reduce injuries in my unit. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #37. (May, 2011). Would you buy your car? Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #34. (April, 2011). Cell phone use while driving (revisited). Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #32. (February, 2011). Risk homeostasis theory. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #31. (February, 2011). List of GCASS issue papers & issue paper index. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #30. (January, 2011). Comparison of two age groups' D&D survey favorable results II. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #29. (December, 2010). Comparison of two age groups' D&D survey favorable results. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #28. (November, 2010). Drinking & driving survey favorable responses (revisited). Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Information Paper #1. (October, 2010). Marine perspectives of medical care within the marine corps. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #2. (September, 2010). Safety standdowns. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #25. (July, 2010). Cell phone use while driving – Use of hands-free devices. Monterey, CA: Advanced Survey Design.

Figlock, R. GCASS Issue Paper #23. (June, 2010). My Unit is Over-Committed. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #22. (May, 2010). Supervisor Favoritism Regarding DUIs (sorted by Rank). Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #18. (February, 2010). Fatigue (revisited). Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #17. (January, 2010). Communication III (Are unit leaders listening?). Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #16. (January, 2010). Communication II (job safety information). Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #15. (January, 2010). Communication. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #13. (December, 2009). Using special staff to help manage high-risk personnel. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #12. (November, 2009). Unit leaders react well to unexpected changes. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #11. (November, 2009). Getting the most from your survey data. Monterey, CA: Advanced Survey Design.

Figlock, R. White Paper #1. (November, 2009). Using special staff to help manage high-risk personnel. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #9. (October, 2009). CO/OIC feedback. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #6. (August, 2009). Cutting corners to get a job done. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #5. (August, 2009). Individual safety acts are recognized through awards & incentives. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #4. (July, 2009). What are your people doing this summer? Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #3. (July, 2009). Private motor vehicle survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #2. (June, 2009). Motorcycle survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. CASS Issue Paper #1. (June, 2009). Drinking and driving survey favorable response rates. Monterey, CA: Advanced Survey Design.

III. Chronological list of U.S. Air Force Trend Update papers: https://www.afcast.org

Figlock, R. AFCAST White Paper #2. (September, 2010). Safety days. Monterey, CA: Advanced Survey Design.

Figlock, R. AFCAST White Paper #1. (September, 2009). U.S. Highway 98 in Florida. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #24. (June, 2009). Motorcycle survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #23. (June, 2009). Private motor vehicle survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #22. (June, 2009). Drinking and driving survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #21. (June, 2009). What are your people doing this summer? Monterey, CA: Advanced Survey Design.

Figlock, R., Lawson, D., & Schimpf, M. AD USAF Trend Update #20. (May, 2009). Support personnel survey (SUP) – Top five/bottom five. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #15. (September, 2008). What is my unit doing "right" and why?. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #13. (July, 2008). Cell phone use while driving. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #11. (April, 2008). 101 critical days of summer: D&D survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #10. (April, 2008). 101 critical days of summer: PMV survey favorable response rates. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #8. (April, 2008). 101 critical days of summer: What are your people doing? Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #5. (January, 2008). Influences of fatigue on performance. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #4. (November, 2007). Review of process auditing FLT survey items. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #3. (August, 2007). Safety day effectiveness. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #2. (July, 2007). Safety office effectiveness and respectability. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #1. (June, 2007). Top five/bottom five FLT & MX-SUP response averages. Monterey, CA: Advanced Survey Design.

III. Chronological list of ANG Trend Update papers:

Figlock, R. AD USAF Trend Update #4. (August, 2007). Safety day effectiveness. Monterey, CA: Advanced Survey Design.

Figlock, R. AD USAF Trend Update #3. (July, 2007). Safety office effectiveness and respectability. Monterey, CA: Advanced Survey Design.

Figlock, R. ANG Trend Update #2. (July, 2007). Top five/bottom five FLT & MX-SUP response Averages revisited. Monterey, CA: Advanced Survey Design.

Figlock, R. ANG Trend Update #1. (June, 2007). Top five/bottom five FLT & MX-SUP response averages. Monterey, CA: Advanced Survey Design.

PUBLICATIONS

Figlock, R., Lawson, D., Schimpf, M., & Schmidt, J. (2005, December). Human factors tools and interventions for maintenance risk management final report. Final research report for NASA. Monterey, CA.

Figlock, R. (2005, August). Compendium of CSA/MCAS issue papers. Meyer Institute of Systems Engineering, Naval Postgraduate School, Monterey, CA.

Figlock, R. (2004, March-April). Update of the on-line command safety climate assessment survey process. Approach, 49(2), 31-32.

Figlock, R., & Ciavarelli, A. (2002, March). Taking the safety pulse of your squadron. Approach, 47(3), 26-29.

Figlock, R., & Schmidt, J. (2001, September). Development of a web-based maintenance climate assessment survey. 2001-01-2948. Proceedings of the 2001 Aerospace Congress.

Schmidt, J., & Figlock, R. (2001, March). Maintenance climate assessment: Survey development and preliminary results. Proceedings of the Eleventh Biennial International Symposium on Aviation Psychology.

Ciavarelli, A. P., & Figlock, R. (2001, March). Assessing organizational risk using survey questionnaire methods. Proceedings of the Eleventh Biennial International Symposium on Aviation Psychology.

Chandler, T., Schmidt, J., & Figlock, R. (2000, October). Safe maintenance in aviation readiness and training (SMART) center: Maintenance resource management training for naval aviation over the world wide web. Paper presented at 19th Digital Avionics Systems Conference, Philadelphia, PA.

Figlock, R., Schmidt, J., & Lawson, D. (2000, August). A case study in applied change (Draft). Systems Safety Research Branch, Ames Research Center, National Aeronautics and Space Administration, Moffett Field, CA.

Schmidt, J., Schmorrow, D., & Figlock, R. (2000, July). Human factors analysis of naval aviation Maintenance related mishaps. Paper presented at 2000 Human Factors and Ergonomics Society Symposium, San Diego, CA.

Schmidt, J., Schmorrow, D., & Figlock, R. (2000, April). Forecasting return on investment (ROI) for naval aviation maintenance safety initiatives. Paper presented at the Proceedings of the 2000 Advances in Aviation Safety Conference, Daytona Beach, FL.

Schmidt, J., Figlock, R., & Schmorrow, D. (2000, March). Assessing naval aviation maintenance safety: Error reporting, data management, and data trends. Paper presented at the Proceedings of the 14th Annual FAA/CAA Transport Canada Human Factors in Aviation Maintenance Symposium, Vancouver, British Columbia.

Schmidt, J., & Figlock, R. (2000, January). Risk analysis of maintenance related mishaps. Paper presented at seminar conducted at the Tactical Electronic Warfare Wing, Pacific Fleet, Whidbey Island, Oak Harbor, WA.

Ciavarelli, A., Figlock, R., & Sengupta , K. (1999, October). Organizational Factors in Aviation Accidents. Naval Postgraduate School Research, Monterey, California.

Schmidt, J., Figlock, R., & Teeters, C. (1999, August). Human Factors Analysis of Naval Transport Aircraft Maintenance and Flight Line Related Incidents. 1999 SAE Airframe/Engine Maintenance & Repair Conference, Vancouver, Canada.

Schmidt, J., & Figlock, R. (1999, May). Risk Analysis of Maintenance Related Mishaps. Tenth International Symposium on Aviation Psychology. Columbus, Ohio.

DOCTORAL DISSERTATION

Figlock, R. (2002, June). Review and evaluation of a theoretical model of organizational safety effectiveness applied to naval aviation. Walden University, Minneapolis, Minnesota.

PRESENTATIONS

A chronological list of symposiums, conferences, seminars, and workshops where I presented:

Aviation Psychology Workshop. (September, 2012). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Human Factors Presentation. (July, 2012). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 7-12. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

Status of 4th MAW Command Safety Assessment Survey Program. (June, 2012). CNAP Safety Department (N45). San Diego, California.

Status of NASA Command Safety Culture Assessment Program. (April, 2012). NASA Headquarters. Washington, DC.

Aviation Psychology Workshop. (March, 2011). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Status of Naval Aviation Command Safety Assessment Survey Program. (February, 2012). CNAP Safety Department (N45). San Diego, California.

Human Factors Presentation. (January, 2012). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 2-12. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

Status of Naval Aviation Command Safety Assessment Survey Program. (December, 2011). CNAP Safety Department (N45). San Diego, California.

Status of Naval Aviation Command Safety Assessment Survey Program. (October, 2011). CNAL Safety Department & Naval Safety Center. Norfolk, Virginia.

Aviation Psychology Workshop. (September, 2011). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Headquarters Marine Corps Safety Management Operational Planning Team Conference. (August, 2011). Participated in the two-day conference looking forward to the future of the Marine safety program sponsored by CMC (SD). 2nd MAW Headquarters, Cherry Point, North Carolina.

Headquarters Marine Corps Safety Managers Conference. (August, 2011). Conference of all major commands' safety managers sponsored by CMC (SD). Presented the "Ground Climate Safety Climate Assessment Survey (GCASS)." Orlando, Florida.

CPUC03226

Human Factors Presentation. (May, 2011). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 6-11. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

4th Marine Aircraft Wing Safety Conference. (May, 2011). Conference conducted with 4th MAW Safety Departments. Presented the "Ground Climate Safety Climate Assessment Survey (GCASS)" San Diego, California.

Aviation Psychology Workshop. (March, 2011). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Human Factors Presentation. (February, 2011). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 4-11. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

Human Factors Presentation. (January, 2011). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 3-11. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

CMRS Status Brief. (December, 2010). Reviewed status of CMRS program with Mr. Joseph Angello, DSOC Executive Director. Pentagon, Washington, DC.

Human Factors Presentation. (November, 2010). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 2-11. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

CMRS Program Manager Conference. (September, 2010). Reviewed status of CMRS program. Naval Safety Center, Norfolk, Virginia.

USAF Safety Center Safety Culture Survey Program Workshop. (August, 2009). One-day workshop for USAF Safety Center personnel. Albuquerque, New Mexico.

Aviation Psychology Workshop. (September, 2010). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

CMRS Program Manager Conference. (July, 2010). Reviewed status of CMRS program. CNAF Safety Division, Coronado, California.

CMRS Program Manager Conference. (June, 2010). Reviewed status of CMRS program. CNAF Safety Division, Coronado, California.

Human Factors Presentation. (May, 2010). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 3-10. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

CMRS Program Manager Conference. (April, 2010). Reviewed status of CMRS program. AFSC. Albuquerque, New Mexico.

Aviation Psychology Workshop. (April, 2010). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

CMRS Program Manager Conference. (March, 2010). Reviewed status of CMRS program. USAF SAF/HQ Conference Facility, Crystal City, Virginia.

Human Factors Presentation. (February, 2010). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 2-10. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

AFSPC Safety Presentation. (February, 2010). Air Force Space Command Headquarters. Colorado Springs, Colorado.

CMRS Program Manager Conference. (February, 2010). Reviewed status of CMRS program. AFSC. Albuquerque, New Mexico.

CSSI Conference. (February, 2010). CSSI representatives visited ASD to establish a professional services agreement between the two organizations. Presented ASD's on-line survey capabilities. ASD, Monterey, California.

Marine CASS & Command Safety Assessment Surveys Presentation. (February, 2010). MARFORPAC Ground Safety Managers Symposium., Honolulu, Hawaii.

Human Factors Presentation. (January, 2010). Presented at the Threat Risk Management (TRM) course, Enhanced Mojave Viper (EMV) exercise 1-10. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCB Twenty Nine Palms, California.

Northrop Grumman Safety Climate Workshop. (December, 2009). Northrop Headquarters. Los Angeles, California.

Culture Workshop Seminar. (November, 2009). Command Safety Assessment Program Update. Presented to Navy and Marine Corps Culture workshop facilitators. JRB, Fort Worth, Texas.

NASA Safety Culture Workshop. (October, 2009). NASA Ames. Palo Alto, California.

Aviation Psychology Workshop. (September, 2009). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Raytheon Survey Presentation. (August, 2009). Raytheon Headquarters. Tucson, Arizona.

AFSC AFCAST Survey Results Presentation II. (August, 2009). AFSC. Albuquerque, New Mexico.

US Army Risk Assessment Program (ARAP) Workshop. (June, 2009). Worked with the senior staff of the US Army Combat Readiness Center. Monterey California.

AFSC AFCAST Survey Results Presentation. (June, 2009). AFSC. Albuquerque, New Mexico.

Marine CASS & Command Safety Assessment Surveys Presentation. (April, 2009). COMMARFORCOM Ground Safety Managers Symposium., Virginia Beach, Virginia.

USAF Safety Center Safety Culture Survey Program Workshop. (April, 2009). One-day workshop for USAF Safety Center personnel. Albuquerque, New Mexico.

Command Safety Assessment Surveys. (March, 2009). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

AFSC AFCAST Survey Results Presentation. (February, 2009). AFSC. Albuquerque, New Mexico.

Marine CASS & Command Safety Assessment Surveys Presentation. (February, 2009). MARFORPAC Ground Safety Managers Symposium., Honolulu, Hawaii.

Culture Workshop Seminar. (November, 2008). Command Safety Assessment Program Update. Presented to Navy and Marine Corps Culture workshop facilitators. JRB, Fort Worth, Texas.

Marine CASS & Command Safety Assessment Surveys Presentation. (November, 2008). NASA Headquarters. Washington, DC.

Marine CASS & Command Safety Assessment Surveys Update. (November, 2008). Office of the Deputy Assistant Secretary of the Navy (Safety). Washington, DC.

Marine CASS Presentation. (November, 2008). HQMC Ground Safety Managers Symposium. Quantico, Virginia.

Command Safety Assessment Surveys. (November, 2008). CNAL Safety Division. Norfolk, Virginia.

Motorcycle Survey Brief. (November, 2008). Naval Safety Center. Norfolk, Virginia.

Command Safety Assessment Surveys. (October, 2008). CNAF Commanders Safety Conference. San Diego, California.

USAF Safety Center Safety Culture Survey Program Workshop. (September, 2008). Two-day workshop for USAF Safety Center personnel. Albuquerque, New Mexico.

Human Factors Overview. (September, 2008). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

US Army Risk Assessment Program (ARAP) Workshop. (June, 2008). Worked with the senior staff of the US Army Combat Readiness Center. Combat Readiness Center, Fort Rucker, Alabama.

4th Marine Aircraft Wing Safety Conference. (April, 2008). Conference conducted with 4th MAW Safety Departments. Presented the "Climate Safety Climate Assessment Survey." Fort Worth, Texas.

USMC 17th Annual Ground Safety Manager Conference. (January, 2008). Conference conducted with members of Safety Division, Headquarters Marine Corps and Marine ground safety managers. National Center for Employee Development. Oklahoma City, Oklahoma.

Culture Workshop Seminar. (May, 2007). Command Safety Assessment Program Update. Presented to Navy and Marine Corps Culture workshop facilitators. NASNI, California

Command Safety Assessment Surveys. (September, 2007). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Kiwanis Club of Monterey Presentation. (June, 2007). An overview of Advance Survey Design, LLC. Monterey, California.

Air National Guard Safety Center Safety Culture Survey Program Workshop. (May, 2007). Two-day workshop for Air National Guard personnel. Volt ANG Base, Wisconsin.

USAF Safety Center Safety Culture Survey Program Workshop. (May, 2007). Two-day workshop for USAF Safety Center personnel. Albuquerque, New Mexico.

Culture Workshop Seminar. (May, 2007). Command Safety Assessment Program Update. Presented to Navy and Marine Corps Culture workshop facilitators. Fort Worth, Texas.

US Army Command Safety Assessment Survey Seminar . (April, 2007). Presented to senior staff of the US Army Combat Readiness Center. Combat Readiness Center, Fort Rucker, Alabama.

Command Safety Assessment Surveys. (March, 2007). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Culture Workshop Seminar. (November, 2006). Command Safety Assessment Program Update. Presented to Navy and Marine Corps Culture workshop facilitators. Annapolis, Maryland.

USAF Safety Center Safety Culture Survey Program Workshop. (October, 2006). Two-day workshop for USAF Safety Center personnel. Albuquerque, New Mexico.

Aviation Psychology Workshop. (September, 2006). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Human Factors Overview. (March, 2006). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

US Army Command Safety Assessment Survey Seminar. (December, 2005). Presented to senior staff of the US Army Combat Readiness Center. Combat Readiness Center, Fort Rucker, Alabama.

Navy Surface Culture Workshop Seminar. (November-December, 2005). Three-day seminar presented to Navy surface warfare and Marine Corps officer instructors. Naval Safety Center, Norfolk, Virginia.

Command Safety Assessment Surveys. (September, 2005). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Command Safety Assessment Surveys for the US Army. (May, 2005). Presented to members of the US Army Combat Readiness Center. Naval Postgraduate School, Monterey, California.

Climate Safety Climate Assessment Survey (CSCAS) System: A Tool for Examining Maintainer Issues. (May, 2005). Aviation Maintenance & Human Factors Workshop & Symposium. Arlington, Texas.

Operational Risk Management. (May, 2005). Presented to the Navy students and faculty of the Naval Postgraduate School, Monterey, California.

USMC Ground Climate Assessment Survey System (GCASS). (April, 2005). Conference conducted with members of Safety Division, Headquarters Marine Corps. Naval Postgraduate School, Monterey, California.

Command Safety Assessment Surveys. (March, 2005). Presented to students of the Weapons & Tactics Instructors (WTI) course, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

Climate Safety Climate Assessment Survey (CSCAS) System. (February, 2005). Presented to Human Systems Integration (HSI) class. Naval Postgraduate School, Monterey, California.

Command Safety Assessment Surveys. (February, 2005). Presented to members of Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). MCAS Yuma, Arizona.

USMC Ground Climate Assessment Survey System (GCASS). (February, 2005). Conference conducted with members of Safety Division, Headquarters Marine Corps. Naval Postgraduate School, Monterey, California.

Command Safety Assessment Surveys for the US Air Force. (January, 2005). Presented to members of the Air Force Safety Center. Conference held at School of Aviation Safety, NAS Pensacola, Florida.

Culture Workshop Seminar. (November-December, 2004). Eight-day seminar presented to Navy and Marine Corps senior reserve officer instructors. Naval Postgraduate School, Monterey, California.

Commander Naval Air Forces Pacific (CNAF) CSA/MCAS Lessons Learned. (October, 2004). Presented to the CNAFL Aviation Commanders' Conference. NAS North Island, California.

Commander Naval Air Forces Atlantic (CNAL) CSA/MCAS Lessons Learned. (October, 2004). Presented to the CNAL Aviation Commanders' Conference. NAS Norfolk, Virginia.

Assessing Safety Culture & Climate: Lessons Learned for Industry from Military Successes. (September, 2004). Seventh Global Aviation Information Network (GAIN) World Conference. Sponsored by, inter alia, Federal Aviation Administration (FAA). Montreal, Canada.

Command Safety Assessment Surveys. (September, 2004). Presented to the Third Marine Aircraft Wing Human Factors Conference. MCAS Miramar, California.

Command Safety Assessment Surveys. (September, 2004). Presented to the Marine Air Board. MCAS Miramar, California.

Assessing Safety Climate: Command Safety Assessment Survey. (July, 2004). Joint System Safety Committee (JSSC) Safety Symposium. Air Force Safety Center, Kirtland Air Force Base, Albuquerque, New Mexico.

Overview of CSCAS Process: CSA & MCAS. (May, 2004). Presented to Safety Division, Headquarters Marine Corps, Washington, DC.

Organizational Safety Assessment in Naval Aviation Maintenance. (April, 2004). Presented at the Aviation Maintenance Safety Conference 2004, Naval Safety Center, Norfolk, VA.

Use of Maintenance Climate Assessment Survey (MCAS) Data to Support Safety Investigation Report (SIR) Causal Factor Analysis. (January, 2004). Presented to Director, Safety Division, Headquarters Marine Corps, Washington, DC.

An NPS Center of Safety Excellence. (January, 2004). Presented to the Deputy Assistant Secretary of the Navy for Safety. Office of the Secretary of the Navy, Washington, DC.

Aviation Safety Study: A Quantitative and Qualitative Analysis. (December, 2003). Presented at the Human Factors Quality Management Board (HFQMB) VTC conducted at NPS.

Command Safety Assessment planning session. (November, 2003). Session participant with the Safety Division, National Aeronautics and Space Administration (NASA), Washington, DC.

Safety workshop. (November, 2003). Workshop participant conducted at NPS by the Deputy Director, Presidential Contingency Programs, White House Military Office, Washington, DC.

Assessment of Naval Aviation Maintenance Safety Climate. (October, 2003). Presented at the 2003 Department of Defense (DoD) Maintenance Symposium & Exhibition in King of Prussia, Pennsylvania.

Joint Aviation Officer Safety Education Conference. (October, 2003). Conference participant conducted at the Air Force Safety Center located at Kirtland Air Force Base, Albuquerque, New Mexico.

Operational Risk Management. (August, 2003). Presented at the High Reliability Organization (HRO) Theory and Practice in Medicine and Public Safety conference conducted at Crafton Hills College, Yucaipa, California.

Reliability Business Practices Reengineering: The Use of Human Factors Tools to Increase Reliability by Reengineering Business Practices. (July, 2003). Presented to Navy Admirals attending the NPS Center for Executive Education course.

Naval Operational Risk Management Application and Integration Course. (July, 2003). Evaluated the course conducted at NAS Lemoore, California at the request of the Special Assistant for Safety, Naval Education and Training Command. NAS Lemoore, California.

Reliability Business Practices Reengineering; The Use of Human Factors Tools to Increase Reliability by Reengineering Business Practices. (May, 2003). Presented to Navy Admirals attending the NPS Center for Executive Education course.

Afloat Safety Climate Assessment Survey. (April, 2003). Presented to Rear Admiral Ellison, Superintendent of the Naval Postgraduate School.

Culture Workshop Seminar. (April, 2003). Eight-day seminar presented to Navy and Marine Corps senior reserve officer instructors.

Integrated Safety and Training Approaches to Manage Risks in Naval Aviation Depot Maintenance. (April, 2003). Presented at the 12th International Symposium on Aviation Psychology in Dayton, Ohio.

Operational Risk Management. (March, 2003). Guest speaker at the Strike Fighter Wing Pacific ORM Review Conference conducted at NAS Lemoore, California.

Reliability Business Practices Reengineering; The Use of Human Factors Tools to Increase Reliability by Reengineering Business Practices. (February, 2003). Presented to Navy Admirals attending the NPS Center for Executive Education course.

Human Factors Tools and Interventions for Improving Maintenance Error Management. (December, 2002). Presented at NASA Ames Research Center, Moffett Field, California.

The Human Factors & Classification System – Maintenance Extension (HFACS—ME) Review of Select NTSB Maintenance Mishaps: An Update. (April, 2002). Presented at the 16th Annual Symposium on Human Factors in Maintenance and Inspection held in San Francisco, California.

Culture Workshop Seminar. (March, 2002). Six-day seminar presented to Navy and Marine Corps senior reserve officer instructors.

Maintenance Error Investigation and Maintenance Resource Management (MRM) Workshop. (February, 2002). Three-day workshop at Marine Corps Naval Aviation Depot (NADEP) Cherry Point, North Carolina.

Command Safety Tools. (January, 2002). Presented to the USMC Executive Safety Board (ESB).

Command Safety Assessment and Maintenance Climate Assessment Demonstration. (October, 2000). Presented at the Commercial Aviation Safety Team (CAST) Conference conducted by the Flight Safety Foundation, Alexandria, Virginia.

Development of a Web Based Maintenance Climate Assessment Survey. (September, 2001). Presented at the 2001 SAE Aerospace Congress & Exhibition in Seattle, Washington.

Command Safety Assessment and Maintenance Climate Assessment. (May, 2001). Presented to Estonia delegation participating in an orientation tour of U.S. military forces.

Aviation Psychology and Human Factors course overview. (May, 2001). Presented to Estonia delegation participating in an orientation tour of U.S. military forces.

Command Safety Assessment (CSA) and Maintenance Climate Assessment Survey (MCAS). (May, 2001). Presented to members of Embry Riddle Aeronautical University at conference conducted at NPS.

Executive Officer Safety Course. (May, 2001). Course presented at 3rd Marine Aircraft Wing, Miramar, CA.

Maintenance Climate Assessment: Survey Development and Preliminary Results. (March, 2001). Presented at the Eleventh Biennial International Symposium on Aviation Psychology at Ohio State University, Columbus Ohio.

Culture Workshop Seminar. (February, 2001). Six-day seminar presented to Navy and Marine Corps senior reserve officer instructors.

Command Safety Climate Assessment Surveys. (January, 2001). Presented at the Aviation Education 2020 Conference sponsored by Embry Riddle Aeronautical University, NASA, and NPS.

Back in the Saddle. (January, 2001). Presented to Marine Aircraft Group 11 squadrons at MCAS, Miramar, California.

Maintenance Climate Assessment. (November, 2000). Presented at the Seventh Air to Air Safety Conference, Williamsburg, Virginia.

Command Safety Climate Assessment. (October, 2000). Presented at seminar conducted at the Veterans Administration Hospital sponsored by Stanford University Medical Center, Palo Alto, California.

Human Factors Analysis of Naval Aviation Maintenance Related Mishaps. (July, 2000). Presented at the 2000 Human Factors and Ergonomics Society symposium in San Diego, California

Forecasting Return on Investment (ROI) for Naval Aviation Maintenance Safety Initiatives. (April, 2000). Presented at the 2000 Advances in Aviation Safety conference in Daytona Beach, Florida.

Assessing Naval Aviation Maintenance Safety: Error Reporting, Data Management, and Data Trends. (March, 2000). Presented at the 14th Annual FAA/CAA Transport Canada Human Factors in Aviation Maintenance Symposium in Vancouver, British Columbia.

Risk Analysis of Maintenance Related Mishaps. (January, 2000). Presented at seminar conducted at the Tactical Electronic Warfare Wing, Whidbey Island, Washington.

Human Factors Analysis of Naval Transport Aircraft Maintenance and Flight Line Related Incidents. (August, 1999). Presented at the SAE Airframe/Engine Maintenance & Repair Conference, Vancouver, Canada.

Risk Analysis of Maintenance Related Mishaps. (May, 1999). Presented at the 10th International Symposium on Aviation Psychology. Columbus, Ohio.

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Wednesday, March 27, 2013 4:06 PM
To: 'Doll, Laura'
Cc: 'Yura, Jane'
Subject: RE: BV update
Attachments: CPUCLetterheadBrown_Sullenberger.docx

Laura – thanks for the update. No hurry on getting this info to me.

Did Paul tell you that he'd like for you to go ahead and send the invite to Sullenberger? He said he was going to mention it to you over coffee today, I want to make sure he didn't forget. Attached here is the letter that we had... should give you a head start, you'd just need to change a few things.

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, March 27, 2013 4:02 PM
To: Malashenko, Elizaveta I.
Cc: Yura, Jane
Subject: BV update

Liza

Redacted

Non-responsive

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com

office: 415.973.8663
mobile: 415.828.3739

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STATE OF CALIFORNIA
EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

March 25, 2013

Dear Captain Chesley Sullenberger:

On behalf of the California Public Utilities Commission, I would like to thank you for confirming your intent to speak at our May 7-8, 2013, symposium "Forging a New Vision of Safety in California." The first in a series of safety symposiums, "Safety in California" will address key issues and explore solutions to public safety concerns in California's public utility sector. We hope that through this event and subsequent working meetings we will be able to better define, create, and sustain a safety-first culture for public utilities in the State of California.

The symposium will allow industry leaders, government representatives, and members of the public to convene, discuss, and make recommendations that will help to create a more purposeful safety-first culture across California. This will be achieved through interactive workshops, panels, and presentations, designed to share best practices for public safety. We will help foster understanding of safety expectations and the consequences of failure, and assert that safety, with respect to human life and property, is non-negotiable. Our goal is to collaborate across industry, government, and the public to help dramatically improve the safety of our public utility systems.

As you plan for participation, we will arrange a time to review logistics and ideas for your remarks. In the meantime, please feel free to contact me directly at (415) 703-3808 or paul.clanon@cpuc.ca.gov. On behalf of the CPUC, thank you very much for playing such an integral role in helping us kick off our first of a series of symposiums.

Sincerely,

Paul Clanon
Executive Director

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, March 27, 2013 7:21 AM
To: emory.hagan@cpuc.ca.gov
Subject: Re: Fwd: Background Information Regarding Bob Figlock and Advanced Survey Design, LLC

Great!
Will send you updated agenda later today.

From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Wednesday, March 27, 2013 06:43 AM
To: Doll, Laura
Subject: Fwd: Background Information Regarding Bob Figlock and Advanced Survey Design, LLC

Here is the other panelist

Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

Begin forwarded message:

> **From:** "Robert Figlock" <RFiglock@AdvancedSurveyDesign.com>
> **To:** "ejhagan@sbcglobal.net" <ejhagan@sbcglobal.net>, "Hagan, Jack (Brigadier General – CA)" <emory.hagan@cpuc.ca.gov>
> **Cc:** "rfiglock@AdvancedSurveyDesign.com" <rfiglock@AdvancedSurveyDesign.com>, "ASD Management" <Management@AdvancedSurveyDesign.com>
> **Subject: Background Information Regarding Bob Figlock and Advanced Survey Design, LLC**
>
> Mr. Hagan,
>
> It was a pleasure speaking with you today by telephone. The climate/culture symposium that you are putting together on 7-8 May sounds like a worthwhile project. Thank you for considering me to participate in it.
>
> In response to your request, I am providing you with the following information:
>
> * my short bio
> * my curriculum vitae
> * an overview of Advanced Survey Design, LLC (website: AdvancedSurveyDesign.com)
>
> I look forward to working with you.

V/r,

Bob Figlock

R. C. Figlock, Ph.D.
Advanced Survey Design, LLC
Monterey, CA 93940
(800) 960-7104
(831) 641-9700
(831) 886-3620 (FAX)

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, March 27, 2013 7:17 PM
To: emory.hagan@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Cc: Yura, Jane
Subject: Draft invitation letter and agenda for your review
Attachments: Draft invitation letter from Hagan.docx

Good evening!

Here for your reading pleasure are two documents:

1. Draft invitation letter from Gen Hagan to potential participants. I pulled some language from a draft letter that I believe Kim and/or Liza had worked on. No pride of authorship of course! This needs to be your message, and I just want you to have something to work from. I am not a graphic artist and don't think we need any delays to find one, but the letter should at least be on CPUC letterhead.
2. Draft agenda, as of this hour. Note that we still need moderators for the first and the second panels. Gen Hagan, has Elizabeth confirmed for the emergency response one? What about Frank Lindh for the first one?

   Note that I have tried to convey the two meeting locations. Now that I have done that I'm not as concerned as I was previously about moving around. But if you are able to strong arm somebody out of the Milton Marks Auditorium before Monday, that's good too.

OUR MISSION: to get the invitations out by COB Monday! And if we have to update speakers after that we can do so.

Thanks to both of you.
Laura

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DRAFT Symposium Invitation letter from Gen Hagan – agenda and logistics sheet would be attached (put on CPUC letterhead)

On behalf of the California Public Utilities Commission, I invite you to attend the first in a series of safety symposiums we are sponsoring to explore solutions to public safety concerns in California's public utility sector. This symposium, "Forging a New Vision of Safety in California," will be held May 7 & 8 in downtown San Francisco. It will focus on natural gas safety issues. Sessions on the first day will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Ave. The second day we will move to the California Public Utilities Commission auditorium at 505 Van Ness Ave., just a block away from the Johnson Building.

This symposium will allow representatives of industry, government and the public to convene and discuss ways to help create a more purposeful safety-first culture across California. A keynote the first day by Deborah Hersman, Chair of the National Transportation Safety Board, will help set the context, followed by panels on safety culture, the regulatory role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. An optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1. Additional details are provided in the attached brochure.

As Director of the Safety & Enforcement Division of the CPUC, I believe our mission is to foster understanding of safety expectations and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to improve the safety of our public utility systems. I hope you will join me in this important dialog.

Sincerely,

Emory Hagan

Brigadier General (CA-Ret.), and

Director, Safety and Enforcement Division

California Public Utilities Commission

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, March 27, 2013 7:21 PM
To: emory.hagan@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Cc: Yura, Jane
Subject: RE: Draft invitation letter and agenda for your review - this time with BOTH documents :)
Attachments: Draft invitation letter from Hagan.docx; Draft public agenda for safety symposium 032713.docx

Sorry – left agenda off before.

From: Doll, Laura
Sent: Wednesday, March 27, 2013 7:17 PM
To: emory.hagan@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Cc: Yura, Jane (JKY1@pge.com)
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Thanks to both of you.
Laura

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Sincerely,

Emory Hagan

Brigadier General (CA-Ret.), and

Director, Safety and Enforcement Division

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas
Safety Symposium
Sponsored by the California Public Utilities Commission

Tuesday and Wednesday, May 7-8, 2013
San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers

- Debra Hersman, Chair of the National Transportation Safety Board
- Captain Chesley Sullenberger, former US Air Captain

Panel discussions by industry and regulatory leaders

Where:

Day 1 1:30 – 4:45 pm

Milton Marks Auditorium in the Hiram Johnson State Building, 455 Golden Gate Avenue

Day 2 8:30 – 12:30 pm

California Public Utilities Commission Auditorium, 505 Van Ness Avenue

Agenda

Day 1: Tuesday, May 7 (Milton Marks Auditorium, 455 Golden Gate Ave.)

1:30	Welcome Brigadier General Emory Hagan (CA-Ret.), Director, Safety & Enforcement Division of the California Public Utilities Commission
2:00	Keynote Deborah P. Hersman, Chairman, National Transportation Safety Board
3:15 – 3:30	Break

3:30	Panel 1: Building a Climate and Culture of Safety
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, USN, Director School of Aviation Safety, Pensacola FL
	Robert C. Figlock, President, Advanced Survey Design, LLC
	Paul Levy, former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center
	Nick Stavropoulos, Senior Vice President, Gas Operations, PG&E
5:00	Adjourn

Evening Event (Optional)

6:00	Reception (cash bar) at the Marines' Memorial Club & Hotel, 609 Sutter Street
7:00	Dinner
	Evening Keynote: Captain Chesley Sullenberger, former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident

Day 2: Wednesday, May 8 (CA PUC Auditorium, 505 Van Ness Ave.)

8:30 am	Panel 2: Effectively Managing Pipeline Emergency Response
	Moderator: TBD
	Jerry Schmitz, Vice President, Engineering, SouthWest Gas
	Joanne Hayes-White, Chief, San Francisco Fire Department
	Tim Butters, Deputy Administrator, Pipeline and Hazardous Materials Safety Administration
	Carl Weimer, Executive Director, Pipeline Safety Trust
10:00	Break
10:15	Panel 3: Leading Safety – what does regulatory leadership look like?

	Moderator: Paul Clanon, Executive Director, California PUC
	Commissioner Michel Florio, California PUC
	Commissioner Paul Roberti of Rhode Island (pending)
	Chris Johns, President, PG&E
	Dennis Arriola, President, CEO, SoCal Gas
12:00	Concluding Remarks
	President Michael Peevey, CA PUC
	General Emory Hagan
12:30	Adjourn

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 28, 2013 3:09 PM
To: Pete, Aaron (aaron.pete@cpuc.ca.gov)
Cc: Yura, Jane
Subject: april 17 and 30??

Aaron
I spoke with the General last night about our need to change the CEO dinner. He said he'd be ok with having it before the symposium.
Can you let me know if April 17 or 30 work for him?

Thanks!
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Thursday, March 28, 2013 3:14 PM
To: Doll, Laura
Cc: Yura, Jane
Subject: RE: April 17 and 30??

Hi Laura, the General will be out both days. On April 17th he's in Washington, DC and on April 30th he will be in Roseville.

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Doll, Laura [mailto:LRDD@pge.com]
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 28, 2013 3:23 PM
To: aaron.pete@cpuc.ca.gov
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Do you think there is any chance roseville could be adjusted? I am trying to juggle about 6 CEOs .... :)

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Cc: Yura, Jane
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Harris, Frederick

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Laura Doll

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, March 28, 2013 4:24 PM
To: aaron.pete@cpuc.ca.gov
Subject: Re: April 17 and 30??

You are amazing as always. Please hold apr 30 and now I'm going to try to nab the others.

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Thursday, March 28, 2013 04:16 PM
To: Doll, Laura
Subject: RE: April 17 and 30??

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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Friday, March 29, 2013 2:49 PM
To: Doll, Laura; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); jlane@semprautilities.com; jerry.schmitz@swgas.com; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Goelz, Peter (pgoelz@oneillandassoc.com)
Subject: CPUC Safety Symposium --- Latest Agenda, Attendees, Detailed Agenda
Attachments: CPUC Safety Symposium Invitation list 032913.xlsx; Detailed agenda for safety symposium 032913.docx

Hello everyone, thanks for the update call today, and the great progress. Attached are the detailed agenda, the lists (with email addresses...) for your info.

The last items to wrap up early next week:
1. invitation letter approved by General Hagen, to be entered into the electronic web portal/invitation that will go to all invitees (Liza, then Laura)
2. confirmation of 2 panel moderators: Senator Mark Leno and Press Secretary Elizabeth Ashford (Liza)
3. confirmation of Alaska Airlines speaker (Peter)
4. additional logistics (dinner, speaker travel/lodging, other logistics) (Laura)

Panel coordinators will receive final comments on suggested questions by early in the week, then coordinators should begin to coordinate their speakers.

Next check-in call, next Friday,

Thanks and have a great weekend!
Jane

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May 7-8 CPUC Safety Symposium

	Name	confirmed	Organization	Title	email address
Day 1:					
Key Note					
1	Deborah P. Hersman	☑	NTSB	Chairman	
Panel 1: Defining a Climate and Culture of Safety -- what it really means					
Moderator: Mark Leno, State Senator (to be confirmed)					
1	Captain Jody Bridges	☑	US Navy	Director, School of Aviation Safety	jody.g.bridges@navy.mil
2	Robert Figlock	☑	Advanced Survey Design	President	RFiglock@AdvancedSurveyDesign.com
3	**TBD**		**Alaska Airlines**	**CEO/COO**	
4	Paul Levy	☑	Medical/Regulatory	Author, former Chairman Mass. Public Utilities	plevy0808@gmail.com
5	Nick Stavropoulos	☑	PG&E	Senior Vice President, Gas Operations	N1SL@pge.com
Peter Goelz will coordinate questions for speakers					
Dinner Speaker					
1	Captain Sully Sullenberger	☑	Consultant	Former USAir Captain (Miracle on the Hudson)	cbsull3@gmail.com
Day 2:					
Panel 2: Elements of an Effective Pipeline Emergency Response					
Moderator: Elizabeth Ashford, Chief Press Secretary Governor' Office (to be confirmed)					
1	Joanne Hayes-White	☑	SFFD	Chief	fireadministration@sfgov.org
2	Jerry Schmitz	☑	SouthWest Gas	Vice President, Engineering	Jerry.Schmitz@swgas.com
3	Tim Butters	☑	PHMSA	Deputy Administrator	tim.butters@dot.gov
4	Carl Weimer	☑	Pipeline Safety Trust	Executive Director	carl@pstrust.org
Bob Chipkevich will coordinate questions for speakers					
Panel 3: Leading Safety -- what does regulatory leadership look like?					Clanon, Paul <paul.clanon@cpuc.ca.gov>
Moderator: Paul Clanon, Executive Director CPUC					
1	Mike Florio	☑	CPUC	Commissioner	mf1@cpuc.ca.gov
2	Paul Roberti	☑	Rhode Island PUC	Commissioner	proberti@puc.state.ri.us
3	Chris Johns	☑	PG&E	President	cpj2@pge.com
4	Dennis Arriola	☑	SoCal Gas	President, CEO	Darriola@semprautilities.com
Laura Doll and Bill Scott will coordinate questions for speakers					
Closing					
	Michael Peevey		**CPUC**	**President**	

CPUC03257

Forging a New Vision of Safety in California

Natural Gas
Safety Symposium
Sponsored by the California Public Utilities Commission

Tuesday and Wednesday, May 7-8, 2013
San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers

- Debra Hersman, Chair of the National Transportation Safety Board
- Captain Chesley Sullenberger, former US Air Captain

Panel discussions by industry and regulatory leaders

Where:

Day 1 1:30 – 4:45 pm

Milton Marks Auditorium in the Hiram Johnson State Building, 455 Golden Gate Avenue

Day 2 8:30 – 12:30 pm

California Public Utilities Commission Auditorium, 505 Van Ness Avenue

Agenda

Day 1: Tuesday, May 7 (Milton Marks Auditorium, 455 Golden Gate Ave.)

1:30	Welcome Brigadier General Emory Hagan (CA-Ret.), Director, Safety & Enforcement Division of the California Public Utilities Commission
1:50	Jim Hall, Former NTSB Chairman, Introduces Chairman Hersman
2:00	Keynote Deborah P. Hersman, Chairman, National Transportation Safety Board
3:00 – 3:15	Break

3:15 **Panel 1: Building a Climate and Culture of Safety**
(Coordinated by Peter Goelz)

Moderator: Mark Leno (State Senate) - To Be Confirmed

- TBD, Alaska Airlines
- Captain Jody Bridges, USN, Director School of Aviation Safety, Pensacola FL
- Robert C. Figlock, President, Advanced Survey Design, LLC
- Paul Levy, former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center
- Nick Stavropoulos, Senior Vice President, Gas Operations, PG&E

5:00 Adjourn

Evening Event (Optional)

6:00 Reception (cash bar) at the Marines' Memorial Club & Hotel, 609 Sutter Street

7:00 Dinner

TBD – Introduction of Evening Keynote Speaker

Evening Keynote: Captain Chesley Sullenberger, former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident

Day 2: Wednesday, May 8 (CA PUC Auditorium, 505 Van Ness Ave.)

8:30 am **Panel 2: Effectively Managing Pipeline Emergency Response**
(Coordinated by Bob Chipkevich)

Moderator: Elizabeth Ashford (Chief Press Secretary, Gov's Office) – To Be Confirmed

- Jerry Schmitz, Vice President, Engineering, SouthWest Gas
- Joanne Hayes-White, Chief, San Francisco Fire Department
- Tim Butters, Deputy Administrator, Pipeline and Hazardous Materials Safety Administration

- Carl Weimer, Executive Director, Pipeline Safety Trust

10:00 Break

10:15 <u>Panel 3: Leading Safety – what does regulatory leadership look like?</u>
(Coordinated by Laura Doll and Bill Scott)

Moderator: Paul Clanon, Executive Director, California PUC

- Commissioner Michel Florio, California PUC
- Commissioner Paul Roberti of Rhode Island
- Chris Johns, President, PG&E
- Dennis Arriola, President, CEO, SoCal Gas

12:00 Concluding Remarks

President Michael Peevey, CA PUC

General Emory Hagan

12:30 Adjourn

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 01, 2013 12:07 PM
To: elizaveta.malashenko@cpuc.ca.gov; Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: Invitation letter from General Hagan
Attachments: Draft invitation letter from Hagan 2.docx; Draft public agenda for safety symposium 040113.docx

Liza and Terrie

Hope you both are enjoying a day away from the office and perhaps NOT checking emails every 5 minutes. (Although I'm guessing Terrie is!)

Attached are just a few small edits to the "final" version of the letter that General Hagan sent to me on Friday. We need to get this letter on CPUC letterhead and I am hoping that Liza can make that happen asap tomorrow morning so we can push send by noon.
Or at least that's my dream . . .

Terrie,
I assume that you will publish some kind of low-key notice about this at some point because we may have more than 2 Commissioners there?

I'm also attaching the current version of the agenda too.

Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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DRAFT Symposium Invitation letter from Gen Hagan – agenda and logistics sheet would be attached (put on CPUC letterhead)

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This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture, which embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah Hersman, Chair of the National Transportation Safety Board. Panels will follow her on the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. An optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1. Additional details are provided in the attached electronic brochure.

As Director of the Safety & Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop "win-win" solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

Forging a New Vision of Safety in California

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3:15 – 3:30	Break

3:30	Panel 1: Building a Climate and Culture of Safety
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, USN, Director School of Aviation Safety, Pensacola FL
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Day 2: Wednesday, May 8 (CA PUC Auditorium, 505 Van Ness Ave.)

8:30 am	Panel 2: Effectively Managing Pipeline Emergency Response
	Moderator: TBD
	Jerry Schmitz, Vice President, Engineering, SouthWest Gas
	Joanne Hayes-White, Chief, San Francisco Fire Department
	Tim Butters, Deputy Administrator, Pipeline and Hazardous Materials Safety Administration
	Carl Weimer, Executive Director, Pipeline Safety Trust
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	Moderator: Paul Clanon, Executive Director, California PUC
	Commissioner Michel Florio, California PUC
	Commissioner Paul Roberti of Rhode Island
	Chris Johns, President, PG&E
	Dennis Arriola, President, CEO, SoCal Gas
12:00	Concluding Remarks
	President Michael Peevey, CA PUC
	General Emory Hagan
12:30	Adjourn

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 01, 2013 12:11 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: the previous version
Attachments: Draft invitation letter from Hagan.docx

Just in case you want to see it, here's the letter I sent to Gen Hagan originally. He provided his edits Friday, so the version I sent you and Liza reflects those.

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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DRAFT Symposium Invitation letter from Gen Hagan – agenda and logistics sheet would be attached (put on CPUC letterhead)

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This symposium will allow representatives of industry, government and the public to convene and discuss ways to help create a more purposeful safety-first culture across California. A keynote the first day by Deborah Hersman, Chair of the National Transportation Safety Board, will help set the context, followed by panels on safety culture, the regulatory role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. An optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1. Additional details are provided in the attached brochure.

As Director of the Safety & Enforcement Division of the CPUC, I believe our mission is to foster understanding of safety expectations and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to improve the safety of our public utility systems. I hope you will join me in this important dialog.

Sincerely,

Emory Hagan

Brigadier General (CA-Ret.), and

Director, Safety and Enforcement Division

California Public Utilities Commission

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, April 01, 2013 12:57 PM
To: Doll, Laura; Prosper, Terrie D.
Cc: Hagan, Jack (Brigadier General -- CA)
Subject: RE: Invitation letter from General Hagan
Attachments: Draft invitation letter from Hagan 2 EIM.docx; Draft public agenda for safety symposium 040113 EIM.docx

Hi,

I have made a few changes to the invitation letter and the agenda. Most importantly, we were able to get the Milton Marks auditorium for 6/8! Also, I understood that the series of symposiums would be on all industries we regulate, not just utilities. I therefore changed that part of the letter as well.

Once we get this on the official CPUC letterhead we should be ready to go!

Thanks,

Liza

PS: On the agenda, should we say "sponsored" by the CPUC or "hosted"?

From: Doll, Laura [LRDD@pge.com]
Sent: Monday, April 01, 2013 12:07 PM
To: Malashenko, Elizaveta I.; Prosper, Terrie D.
Subject: Invitation letter from General Hagan

Liza and Terrie

Hope you both are enjoying a day away from the office and perhaps NOT checking emails every 5 minutes. (Although I'm guessing Terrie is!)

Attached are just a few small edits to the "final" version of the letter that General Hagan sent to me on Friday. We need to get this letter on CPUC letterhead and I am hoping that Liza can make that happen asap tomorrow morning so we can push send by noon.
Or at least that's my dream . . .

Terrie,
I assume that you will publish some kind of low-key notice about this at some point because we may have more than 2 Commissioners there?

I'm also attaching the current version of the agenda too.

Laura

Laura Doll
Director, Regulatory Relations
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office: 415.973.8663
mobile: 415.828.3739

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Director, Safety and Enforcement Division
California Public Utilities Commission

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Keynote speakers

- Debra Hersman, Chair of the National Transportation Safety Board
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Panel discussions by industry and regulatory leaders

Where: Milton Marks Auditorium in the Hiram Johnson State Building, 455 Golden Gate Avenue

- Day 1 1:30 – 4:45 pm
- Day 2 8:30 – 12:30 pm

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Day 1: Tuesday, May 7

1:30	Welcome
	Brigadier General Emory Hagan (CA-Ret.), Director, Safety & Enforcement Division of the California Public Utilities Commission
2:00	Keynote
	Deborah P. Hersman, Chairman, National Transportation Safety Board
3:15 – 3:30	Break
3:30	Panel 1: Building a Climate and Culture of Safety
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, USN, Director School of Aviation Safety, Pensacola FL

Robert C. Figlock, President, Advanced Survey Design, LLC

Paul Levy, former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center

Nick Stavropoulos, Senior Vice President, Gas Operations, PG&E

5:00 Adjourn

Evening Event (Optional)

6:00 Reception (cash bar) at the Marines' Memorial Club & Hotel, 609 Sutter Street

7:00 Dinner

Evening Keynote: Captain Chesley Sullenberger, former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident

Day 2: Wednesday, May 8

8:30 am Panel 2: Effectively Managing Pipeline Emergency Response

Moderator: TBD

Jerry Schmitz, Vice President, Engineering, SouthWest Gas

Joanne Hayes-White, Chief, San Francisco Fire Department

Tim Butters, Deputy Administrator, Pipeline and Hazardous Materials Safety Administration

Carl Weimer, Executive Director, Pipeline Safety Trust

10:00 Break

10:15 Panel 3: Leading Safety – what does regulatory leadership look like?

Moderator: Paul Clanon, Executive Director, California PUC

Commissioner Michel Florio, California PUC

Commissioner Paul Roberti of Rhode Island

Chris Johns, President, PG&E

	Dennis Arriola, President, CEO, SoCal Gas
12:00	Concluding Remarks
	President Michael Peevey, CA PUC
	General Emory Hagan
12:30	Adjourn

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 01, 2013 1:35 PM
To: Malashenko, Elizaveta I.; Prosper, Terrie D.
Cc: Yura, Jane
Subject: Symposium details

You are both total workaholics!! And I am grateful for that today.

1. Yes, there will be questions after every panel, time permitting. I kind of like the idea of people writing questions on cards; that is something we can nail down, frantically, a couple days before the session!
2. Next big thing: emailing the invitations. We have a list of people on excel spread sheets. Since this is a CPUC event, the email should go from the CPUC. Do you have someone who can make that happen tomorrow? I will send you yet another version of the invitation letter, this time including the registration website which one of our young and very able staff people has set up so that you and we can track registrants. I'll forward the draft to you this afternoon; we have all tried it and it works!
3. Coffee/water at Milton Marks: Liza, is there any way that the CPUC could pay for that both days? It will be a huge pain if we arrange for it and then have to try to keep track of any CPUC staffer who shows up and bill them later for coffee.
4. Yes, I'll put R in Peevey!! And is the Milton Marks address correct?

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Monday, April 01, 2013 1:15 PM
To: Prosper, Terrie D.; Doll, Laura
Subject: RE: Invitation letter from General Hagan

Laura - are we planning to have a question/comment session with the audience at the end of every panel? Maybe with people submitting questions in advance or something?

Terrie - how do you want to finalize this? I can accept all changes and send you the final language to put in the template or you can send me the template and I can paste everything in there.

I believe that the best way to describe "win win" in this context is that CPUC and utilities would proactively identify safety issues that need to be solved and figure out the best approaches that maximize safety and minimize ratepayer impacts. A more specific example is settlements, but that's probably not something we need to be mentioning here.

From: Prosper, Terrie D.
Sent: Monday, April 01, 2013 1:03 PM
To: LRDD@pge.com; Malashenko, Elizaveta I.
Subject: RE: Invitation letter from General Hagan

Thanks, Laura - of course I'm checking email. :)

A few comments:

1) The letter says: "... and the public to convene and discuss ways..."
But there is not a public comment session, is there? If not, perhaps it should say that regulators, utilities, and industry experts will convene in a public setting to....

2) Can whomever is finalizing put Peevey's middle initial into his name (R.).

3) Do you guys know what is being referred to by "win win"?

Thanks!

Terrie

-------- Original message --------
From: "Doll, Laura" <LRDD@pge.com>
Date:
To: "Malashenko, Elizaveta I." <elizaveta.malashenko@cpuc.ca.gov>,"Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Subject: Invitation letter from General Hagan

Liza and Terrie

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 01, 2013 1:41 PM
To: elizaveta.malashenko@cpuc.ca.gov; Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: FW: Registration Website for CPUC safety symposium - still needs editing

Here's the shell. Colors, anything really, can change.

http://events.signup4.com/cpucsafetysymposium

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 01, 2013 1:53 PM
To: elizaveta.malashenko@cpuc.ca.gov; Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Cc: Yura, Jane; Rosenthal, Andrea
Subject: latest versions of invitation letter (with track changes) and agenda
Attachments: Draft invitation letter from Hagan 3.docx; Draft public agenda for safety symposium 040113 EIM2.docx

Perhaps the letter could be on letterhead and then some clever (but easy and existent) CPUC graphic could be added to the agenda? ☺

Do I have too much time on my hands?

Adding Andrea Rosenthal to this email chain since she is the brilliant developer of the registration website!

Thanks
Laura

Laura Doll
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lrdd@pge.com
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Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

Attachment: 2013 CPUC Safety Symposium Agenda

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Carl Weimer, Executive Director, Pipeline Safety Trust

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10:15 Panel 3: Leading Safety – what does regulatory leadership look like?

Moderator: Paul Clanon, Executive Director, California PUC

Commissioner Michel Florio, California PUC

Commissioner Paul Roberti of Rhode Island

Chris Johns, President, PG&E

	Dennis Arriola, President, CEO, SoCal Gas
12:00	Concluding Remarks
	President Michael R. Peevey, CA PUC
	General Emory Hagan
12:30	Adjourn

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Monday, April 01, 2013 5:05 PM
To: Doll, Laura
Cc: Malashenko, Elizaveta I.; Yura, Jane; Rosenthal, Andrea
Subject: Re: latest versions of invitation letter (with track changes) and agenda

I will send a subtly designed agenda tomorrow as soon as I can. Perhaps Andrea can pull a couple of colors from it to add to the registration. I can put her in touch with our graphic designer too.

Terrie

On Apr 1, 2013, at 1:53 PM, "Doll, Laura" <LRDD@pge.com> wrote:

Perhaps the letter could be on letterhead and then some clever (but easy and existent) CPUC graphic could be added to the agenda? ☺

Do I have too much time on my hands?

Adding Andrea Rosenthal to this email chain since she is the brilliant developer of the registration website!

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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<Draft invitation letter from Hagan 3.docx>
<Draft public agenda for safety symposium 040113 EIM2.docx>

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Monday, April 01, 2013 5:15 PM
To: Malashenko, Elizaveta I.
Cc: LRDD@pge.com
Subject: Re: Invitation letter from General Hagan

I think win-win sounds great when you explain it Lisa, but in the context of the letter it leaves open to question as to who's winning - it could be interpreted as a win for the CPUC and the utilities, rather than a win for the CPUC and ratepayers. If you think I'm being paranoid you can disregard. But I think it could easily be fixed by just deleting ""win-win"" in the sentence below:
This symposium is an opportunity to establish collaborative relationships to develop "win-win" solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.
--

Your call.

As I said in an email I just sent, I will get the agenda to both of you tomorrow as soon as I can looking pretty. I assume Liza can take care of putting the invitation on our letterhead.

Do we also want to post these documents on our website?

Thanks!

Terrie

On Apr 1, 2013, at 1:14 PM, "Malashenko, Elizaveta I." <elizaveta.malashenko@cpuc.ca.gov> wrote:

Laura - are we planning to have a question/comment session with the audience at the end of every panel? Maybe with people submitting questions in advance or something?

Terrie - how do you want to finalize this? I can accept all changes and send you the final language to put in the template or you can send me the template and I can paste everything in there.

I believe that the best way to describe "win win" in this context is that CPUC and utilities would proactively identify safety issues that need to be solved and figure out the best approaches that maximize safety and minimize ratepayer impacts. A more specific example is settlements, but that's probably not something we need to be mentioning here.

From: Prosper, Terrie D.
Sent: Monday, April 01, 2013 1:03 PM

To: LRDD@pge.com; Malashenko, Elizaveta I.
Subject: RE: Invitation letter from General Hagan

Thanks, Laura - of course I'm checking email. :)

A few comments:

1) The letter says: "... and the public to convene and discuss ways..."
But there is not a public comment session, is there? If not, perhaps it should say that regulators, utilities, and industry experts will convene in a public setting to....

2) Can whomever is finalizing put Peevey's middle initial into his name (R.).

3) Do you guys know what is being referred to by "win win"?

Thanks!

Terrie

-------- Original message --------
From: "Doll, Laura" <LRDD@pge.com>
Date:
To: "Malashenko, Elizaveta I." <elizaveta.malashenko@cpuc.ca.gov>,"Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Subject: Invitation letter from General Hagan

Liza and Terrie

Hope you both are enjoying a day away from the office and perhaps NOT checking emails every 5 minutes. (Although I'm guessing Terrie is!)

Attached are just a few small edits to the "final" version of the letter that General Hagan sent to me on Friday. We need to get this letter on CPUC letterhead and I am hoping that Liza can make that happen asap tomorrow morning so we can push send by noon.
Or at least that's my dream . . .

Terrie,
I assume that you will publish some kind of low-key notice about this at some point because we may have more than 2 Commissioners there?

I'm also attaching the current version of the agenda too.

Laura

Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

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Cc: Yura, Jane; Rosenthal, Andrea
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Attachments: Agenda for Safety Symposium 0513.docx; Agenda for Safety Symposium 0513.pdf

Attached is the designed agenda in Word and pdf form. Please let me know if there are any changes you'd like to suggest.

Thanks!

Terrie

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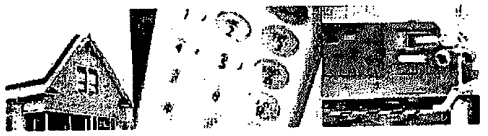

California Public Utilities Commission

Forging a New Vision of Safety in California Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety & Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**
3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC*

Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*

Nick Stavropoulos, *Senior Vice President, Gas Operations, PG&E*

5 p.m. **Adjourn**

Evening Event (Optional)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: TBD

Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, President, *PG&E*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

Brigadier General (CA) Jack Hagan, *Director, Safety & Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 02, 2013 12:28 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Cc: Rosenthal, Andrea
Subject: FW: TEST - Register Now

Terrie – in your spare time, would you like to try the test registration?
If this works, we can add in the invitation list emails and do this thing!

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Sent: Tuesday, April 02, 2013 12:23 PM
To: Doll, Laura; Martinez, Susie
Subject: FW: TEST - Register Now

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Thanks,

Andrea

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This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah Hersman, Chair of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Just click on this symposium registration website and enter your information: http://events.signup4.com/cpucsafetysymposium.

Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.

As Director of the Safety & Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop "win-win"

solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

Attachment: 2013 CPUC Safety Symposium Agenda

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Attachments: Agenda for Safety Symposium 0513.docx

Yikes, how did that happen! I re-added him. Thanks for catching!

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 02, 2013 12:29 PM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Cc: Yura, Jane; Rosenthal, Andrea
Subject: RE: latest versions of invitation letter (with track changes) and agenda

And this looks great! No Peevey anymore?

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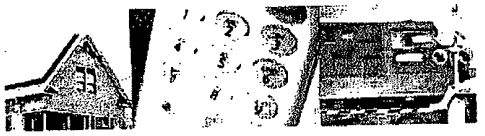

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President Michael R. Peevey, *California Public Utilities Commission*

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12:30 p.m. **Adjourn**

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To: Doll, Laura; Prosper, Terrie D.
Subject: RE: TEST - Register Now

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California Public Utilities Commission

Attachment: 2013 CPUC Safety Symposium Agenda

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 02, 2013 1:49 PM
To: Rosenthal, Andrea; Doll, Laura
Cc: Malashenko, Elizaveta I.
Subject: RE: TEST - Register Now

Liza, what are your thoughts on this? I'm tempted to have it removed in case someone does not want to see their name online, but we would provide the list to people if they ask.

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Cc: Rosenthal, Andrea
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Oh, let me assure you that we can run a report as an administrator and know who has registered and who hasn't. This feature was just so that the attendees could also know. I see it as a "nice to have" not a "need to have".

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Sent: Tuesday, April 02, 2013 2:29 PM
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I prefer not to have names & the list being "on demand".

Sorry, I haven't been following all the e-mails. Do you need something from me to make all this happen?

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

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Subject: RE: TEST - Register Now

I say leave it off. Thanks!

From: Rosenthal, Andrea [mailto:ADRG@pge.com]
Sent: Tuesday, April 02, 2013 2:11 PM
To: Doll, Laura; Prosper, Terrie D.
Subject: RE: TEST - Register Now

Oh, let me assure you that we can run a report as an administrator and know who has registered and who hasn't. This feature was just so that the attendees could also know. I see it as a "nice to have" not a "need to have".

Please advise on how to proceed.

Thanks,

Andrea

From: Doll, Laura
Sent: Tuesday, April 02, 2013 2:05 PM
To: Rosenthal, Andrea; Prosper, Terrie D.
Subject: RE: TEST - Register Now

If we take that feature out, then what? How will we know who's coming?
Sorry for my ignorance . . .

From: Rosenthal, Andrea
Sent: Tuesday, April 02, 2013 2:02 PM
To: Doll, Laura; Prosper, Terrie D.
Subject: RE: TEST - Register Now

All means anyone who has access to the link. All registered and unregistered attendees.

From: Doll, Laura
Sent: Tuesday, April 02, 2013 1:58 PM
To: Rosenthal, Andrea; Prosper, Terrie D.
Subject: RE: TEST - Register Now

Andrea – does "all" mean anyone who has signed up? I was hoping it meant that authorized viewers (CPUC, perhaps us) could look at it.

From: Rosenthal, Andrea
Sent: Tuesday, April 02, 2013 1:41 PM

To: Doll, Laura; Prosper, Terrie D.
Subject: RE: TEST - Register Now

Yes. To confirm. The only info that is viewable to all is the name of the registered person. Nothing else. If you like this feature, we will keep it. If you want this section removed from the registration website, we can remove it.

Thanks!

Andrea

From: Doll, Laura
Sent: Tuesday, April 02, 2013 12:33 PM
To: Prosper, Terrie D.
Cc: Rosenthal, Andrea
Subject: RE: TEST - Register Now

Andrea, the smart one, will respond.
But thanks for checking!!

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 02, 2013 12:31 PM
To: Doll, Laura
Cc: Rosenthal, Andrea
Subject: RE: TEST - Register Now

I just registered. I assume you know this part needs fixing/changing:
If you need to make changes to your registration, please go to:
>>>> INSERT ---- CORRECT ---- REGISTRATION ---- WEBSITE ----HERE <<<<<

So the only info that will be viewable to all is the name of the registered person, correct? Not their email address or any other info they give as part of the registration process?

Thanks!

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 02, 2013 12:28 PM
To: Prosper, Terrie D.
Cc: Rosenthal, Andrea
Subject: FW: TEST - Register Now

Terrie – in your spare time, would you like to try the test registration?
If this works, we can add in the invitation list emails and do this thing!

From: Rosenthal, Andrea
Sent: Tuesday, April 02, 2013 12:23 PM
To: Doll, Laura; Martinez, Susie
Subject: FW: TEST - Register Now

Ok, I think it is possible for us to generate emails. I am going to continue to test. But see results below.

Thanks,

Andrea

From: TEST [mailto:Invitation@signup4.net]
Sent: Tuesday, April 02, 2013 12:22 PM
To: Rosenthal, Andrea
Subject: TEST - Register Now

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors . This symposium, "Forging a New Vision of Safety in California," will be held May 7 & 8 in downtown San Francisco and focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue

This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah Hersman, Chair of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Just click on this symposium registration website and enter your information: http://events.signup4.com/cpucsafetysymposium.

Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.

As Director of the Safety & Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop "win-win" solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

Attachment: 2013 CPUC Safety Symposium Agenda

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 03, 2013 10:25 AM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: Double checking on final versions

Terrie or Liza
To be double sure, could you send me what you think are the final version of the invitation letter and the symposium agenda again?

Thanks
Laura

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 03, 2013 10:37 AM
To: elizaveta.malashenko@cpuc.ca.gov
Subject: This is what I want to talk to you about
Attachments: Copy of CPUC Safety Symposium Invitation list 040113.xlsx

My understanding is that we want to send the invitations to all the gas utility people on this list.

But we need to talk about the others – industry types as well as CPUC Commissioners.

So call me when you have a minute to walk through these names. Thanks!
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Michel Florio: California Public Utilites Commission

Paul Roberti: Rhode Island Public Utilites Commission

Prior to his appointment, Mr. Roberti served for 17 years in the Rhode Island Attorney General's Office, most recently as Assistant Attorney General and Chief of the Regulatory Unit. In that capacity, he has been involved in hundreds of proceedings involving public utility and energy matters before the Rhode Island Public Utilities Commission, the Rhode Island Energy Facility Sitin Board, the Rhode Island Supreme Court and the Federal Energy Regulatory Commission (FERC). In representing the interests of Rhode Island ratepayers and residents, Mr. Roberti played a key role in preventing the siting of a proposed liquefied natural gas terminal in Providence. He spearheade the burial of high-voltage transmission lines along the Providence and East Providence waterfront to enhance economic development opportunities and preserve parklands. Mr Roberti saved an estimated $250 million for Rhode Island's electric ratepayers by securing concessions in a FERC-approved settlement agreement that authorized implementation of the Forward Capacity Market in New England. He played a pivotal role in a rate settlement associated with National Grid's consolidation of Rhode Island's largest electric distribution companies, an agreement which yielde a $13 million rate reduction, a five-year rate freeze and the state's acquisition of 260 acres of pristine land on Narragansett Bay.
Commissioner Roberti received a Bachelor of Arts degree from the College of the Holy Cross and a Juris Doctor degree from Suffolk University Law School, graduating Cum Laude, and is a member c the Rhode Island Bar Association. Commissioner Roberti resides in North Kingstown with his wife and three children

Chris Johns: PG&E

Chris Johns has been the President of Pacific Gas and Electric Company since August 1, 2009. Mr.

Johns serves as the Chairman, Principal Executive Officer and President at PG&E Funding LLC. He served as President of PG&E Energy Recovery Funding LLC. He served as the Chief Financial Officer of Pacific Gas & Electric Co., from October 1, 2005 to July 1, 2007, Senior Vice President and Treasurer from October 1, 2005 to August 2009 and Principal Accounting ... Officer until August 2009. He served as Chief Financial Officer of PG & E Corporation, the holding Company of Pacific Gas & Electric Co. from January 2005 to until August 2009, Controller from July 1, 1997 to October 1, 2005, Vice President from July 1, 1997 to September 18, 2001, Senior Vice President and Treasurer from September 19, 2001 to August 2009 and served as its Chief Risk Officer and Princip Accounting Officer. He oversaw the financial activities of the $34 billion company including accounting, treasury, tax, business and financial planning, and investor relations. He served as Vice President and Controller of Pacific Gas and Electric Company from June 1, 1996 to December 31, 1999. Before joining PG&E, he was a Partner of KPMG Peat Marwick LLP. He served as an Associate National Director of KPMG's Public Utilities practice. He has been a Director of Pacific Gas & Electr Co. since February 17, 2010. He serves as a Member of the Financial Executives Institute. Mr. John serves on the Board of Trustees for the San Francisco Ballet. He served as a Director of PG&E Energy Recovery Funding LLC. He is a Certified Public Accountant in the states of California and Florida. He holds a Bachelor's degree in Accounting from the University of Notre Dame. He has also completed the Nuclear Reactor Technology Program at the Massachusetts Institute of Technology.

Dennis Arriola: SoCal Gas

Mr. Dennis V. Arriola has been the President and Chief Operating Officer of Southern California Gas Co., since June 2012. Mr. Arriola served as the Chief Financial Officer and Executive Vice President of SunPower Corporation from April 2010 to March 6, 2012. He served as the Chief Financial Officer and Executive Vice President of SunPower Corporation from November 1, 2008 to March 2010 and also served as its Principal Accounting Officer until September 12, 2011. Mr. ... Arriola served as Senior Vice President of SunPower Corporation since November 1, 2008. He served as the Chief Financial Officer, Principal Accounting Officer and Senior Vice President of Pacific Enterprises Inc., parent company of Southern California Gas Co. from October 2006 to October 2008. He served as the Chief Financial Officer and Senior Vice President of San Diego Gas & Electric Co. and Southern California Gas Co. from September 20, 2006 to October 29, 2008. He served as Vice President of Communications at Sempra Energy and also served as its Vice President of Investor Relations from 2001 to 2003. From 1998 to 2001, he served as Regional President and General Manager of South American operations of Sempra Pipelines & Storage. From 1994 to 1998, Mr. Arriola served as Vice President and Treasurer for Pacific Enterprises and Southern California Gas Co. Before joining Pacific Enterprises, he served as a Vice President of Bank of America and Security Pacific National Bank. He has been the Chairman of Chilquinta Energia SA since June 9, 1999. He served as the Chairman of the Board of Camuzzi Gas del Sur S.A. He served as the Chairman of Camuzzi Gas Pampeana. He serves as a Director of Camuzzi Gas del Sur S.A. He is a Trustee for The Tomás River Policy Institute in Los Angeles, Calif. He is a Member of the Board of Directors of The San Diego Symphony and Southern California Gas Co. He serves on the Board of Governors of The San Diego Foundation. He was named one of the top 100 most influential Hispanics by HispanicBusiness.com Mr. Arriola has a Master's degree in Business Administration from Harvard University and a Bachelor's degree in Economics from Stanford University.

Carl Weimer: Pipeline Safety Trust

Carl Weimer is the Executive Director of the national Pipeline Safety Trust. He also

Carl Weimer is the Executive Director of the National Pipeline Safety Trust. He also serves on the Governor appointed Washington State Citizens Committee on Pipeline Safety, as a member of the U.S. Department of Transportation's Technical Hazardous Liquid Pipeline Safety Standards Committee, and the steering committee for the Pipelines and Informed Planning Alliance. Mr. Weimer has testified to both the U.S. House of Representatives and Senate on pipeline safety issues, organized four national pipeline safety conferences, pushed for stronger pipeline safety legislation on the national and state level, runs the national Safe Pipelines and LNG Safety listserves that include over 700 people from around the country, and regularly serves as an independent source of pipeline safety information for news media, local government, and citizens around the country. Mr. Weimer was re-elected in 2009 to his second four-year term on the Whatcom County Council. He has a degree in Natural Resources and Environmental Education from the University of Michigan, as well a degree in Industrial Electronics Technology from Peninsula College.

Chief Joanne Hayes-White: San Francisco Fire Department

White was sworn in by Mayor Newsom as the 25th Chief of the San Francisco Fire Department on January 16, 2004. San Francisco is now the largest urban fire department in the world with a fema chief. Chief Hayes-White oversees a department of approximately 1,800 members and an operati budget of $250 million. Hayes-White, a San Francisco native, came to the department after gradu from the University of Santa Clara with a degree in business. She was hired as a firefighter in April 1990, promoted to the rank of Lieutenant in 1993 and to the rank of Captain in January 1996. In M 1996 she was made acting Battalion Chief with oversight of the department's dispatch and communications systems. She oversaw the installation of the computer-aided system (CAD) and automated information systems and by doing so, streamlined and improved the department's dispatch and records management capabilities.

Also accomplished during her tenure as the Battalion Chief for Dispatch and Communications, Hay White spearheaded the unification of City dispatch operations into the single Emergency Communications Department, a process that combined Fire, EMS, and police dispatch communications under one roof, improving response times and service to the community, as well strengthening interagency cooperation and collaboration.

Promoted to Assistant Deputy Chief in 1998, she was responsible for the Division of Support Servi the Bureau of Communications, the Bureau of Equipment, the Bureau of Engineering and Water Supply, Management Information Systems, and all facility repairs, maintenance and renovations.

Prior to her appointment as Chief, Hayes-White served as the Director of Training for the Fire Department, where she supervised recruit training, in-service training, continuing education, and firefighter-paramedic cross training. She developed the Battalion-Based In-Service Training Progra process that virtually tripled the number of formal training hours for all members of the departme with no fiscal or financial impact on the City.

Chief Hayes-White is very proud of the fact that she has, either as a Firefighter or Officer, worked every one of San Francisco's forty-two fire stations.

Chief Hayes-White is considered to be a hands-on, collaborative and team-oriented leader. She pr herself on knowing most of the Department members by name. During her tenure as Chief, the

Jerry Schmitz: SouthWest Gas

Jerry Schmitz is the Vice President/Engineering for Southwest Gas Corporation (Southwest). He d support to five operating divisions for pipeline safety code compliance: transmission and distribut

support to five operating divisions for pipeline safety code compliance, transmission and distribut integrity management; technical training and qualifications; emergency response training; pipelin security; rights-of-way; quality assurance; material specifications and approval; environmental compliance; pipeline system planning; laboratory services; operations research and development proper energy measurement; pipeline cathodic protection; SCADA support; GIS support; and proj design. He is also responsible for the operation of two state-of-the-art Emergency Response Trai Facilities - 40,000 square foot mini-cities fully equipped to simulate real emergencies and allow ga company employees to train with local fire departments so as to complement each other's trainir efforts.

He also served on the Distribution Infrastructure Government-Industry Team (DIGIT) that oversaw production of the American Gas Foundation report, *Safety Performance and Integrity of the Natu Gas Distribution Infrastructure*. In addition, he served on the Risk Control Practices Group of the Distribution Integrity Management Quality Action Team sponsored by the Pipeline and Hazardous Materials Safety Administration (PHMSA). These groups were designed to collect and analyze ava information and to reach findings and conclusions to inform future work by the PHMSA relative to

Tim Butters: PHMSA

Timothy P. Butters is the Deputy Administrator of the Pipeline and Hazardous Materials Safety Administration (PHMSA).

Prior joining to his appointment at PHMSA, he served as the Assistant Chief of Operations for the of Fairfax Fire Department, located in Northern Virginia. His responsibilities included oversight of to-day fire department emergency response operations as well as training and emergency medica services. During his tenure as assistant fire chief, he also served as the chairman of the Hazardous Materials Committee for the International Association of Fire Chiefs (IAFC).

Deputy Administrator Butters served 10 years as Managing Director of the Chemical Transportati Emergency Center (CHEMTREC®), a 24-hour hazardous materials emergency communications cent operated by the American Chemistry Council; Director of Government Affairs for the International Association of Fire Chiefs (IAFC); and senior manager with United States Fire Administration (USFA)/Federal Emergency Management Agency (FEMA). His prior fire and EMS experience inclu over 25 years of volunteer service with the Burke Volunteer Fire Department in Fairfax County, Virginia, and 15 years of serving as a chief officer, including chief of the department.

The Deputy Administrator holds a Bachelors Degree in Business Administration and Economics fro

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 03, 2013 1:21 PM
To: Doll, Laura; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: RE: Double checking on final versions
Attachments: Agenda for Safety Symposium 0513.docx

Attached is what I think is the latest version of the Agenda.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 03, 2013 10:25 AM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: Double checking on final versions

Terrie or Liza
To be double sure, could you send me what you think are the final version of the invitation letter and the symposium agenda again?

Thanks
Laura

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California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

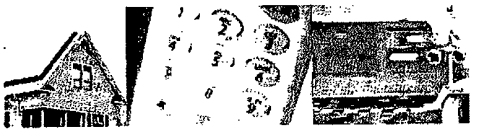
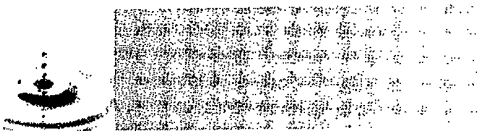
Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**

3:30 p.m. **Panel 1: Building a Climate and Culture of Safety**

Moderator: TBD

TBD, Alaska Airlines

Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*

Robert C. Figlock, *President, Advanced Survey Design, LLC*

Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*

Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*

5 p.m. **Adjourn**

Evening Event (Optional)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: TBD

Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, President, *Pacific Gas and Electric Company*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 03, 2013 2:52 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Cc: Rosenthal, Andrea
Subject: Invitation list as it currently stands
Attachments: CPUC Safety Symposium Invitation list 040313.xlsx

I am still trying to track down some of the national utility people, but this definitely gets us started.

Andrea suggested that you send us a test version, i.e., the letter and agenda, so we can make sure the link to register works when you send it out.
That seemed like a good idea.

Thanks Terrie!

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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May 7-8 CPUC Safety Symposium

	Name	Organization	Title	email address
1	General Jack Hagan	CPUC	Director, Safety & Enforcement Division	emory.hagan@cpuc.ca.gov
2	Liza Malashenko	CPUC	Deputy Director, Safety & Enforcement Division	elizaveta.malashenko@cpuc.ca.gov
3	Paul Clanon	CPUC	Executive Director	paul.clanon@cpuc.ca.gov
4	Joe Como	CPUC	Division of Ratepayer Advocates, CA PUC	joc@cpuc.ca.gov
5	Michael Peevey	CPUC	Commissioner	mp1@cpuc.ca.gov
6	Michel Florio	CPUC	Commissioner	mf1@cpuc.ca.gov
7	Catherine Sandoval	CPUC	Commissioner	cjs@cpuc.ca.gov
8	Mark Ferron	CPUC	Commissioner	FER@cpuc.ca.gov
9	Carla Peterman	CPUC	Commissioner	CAP@cpuc.ca.gov
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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 03, 2013 3:13 PM
To: Malashenko, Elizaveta I.
Cc: Doll, Laura
Subject: FW: Double checking on final versions
Attachments: Agenda for Safety Symposium 0513.docx

Liza, do you have the final invite letter? And, is this the latest version, attached, of the agenda that you know of?

I have the list of email addresses so I can send the agenda and letter out as soon as you tell me they are final (I know there will be a few TBDs on the agenda that still need to be filled in, of course).

Thanks!

Terrie

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Laura

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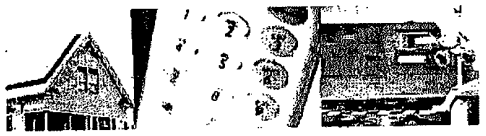

California Public Utilities Commission

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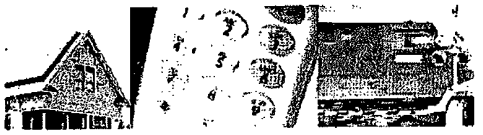

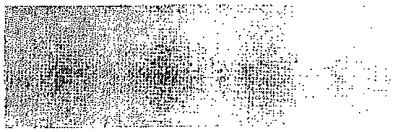

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Nick Stavropoulos, *Senior Vice President, Gas Operations, PG&E*

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Joanne Hayes-White, *Chief, San Francisco Fire Department*

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Carl Weimer, *Executive Director, Pipeline Safety Trust*

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Brigadier General (CA) Jack Hagan, *Director, Safety & Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

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Cc: Doll, Laura
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Attachments: Draft invitation letter from Hagan 3.docx; Agenda for Safety Symposium 0513.docx

Terrie,

I haven't make any changes to the Agenda or the Invitation Letter in a while. The attached Agenda looks fine. The latest letter I seem to have is from Laura, with tracked changes still on and not on the letter head (attached). Anybody have anything more recent?

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Prosper, Terrie D.
Sent: Wednesday, April 03, 2013 3:13 PM
To: Malashenko, Elizaveta I.
Cc: Doll, Laura
Subject: FW: Double checking on final versions

Liza, do you have the final invite letter? And, is this the latest version, attached, of the agenda that you know of?

I have the list of email addresses so I can send the agenda and letter out as soon as you tell me they are final (I know there will be a few TBDs on the agenda that still need to be filled in, of course).

Thanks!

Terrie

From: Prosper, Terrie D.
Sent: Wednesday, April 03, 2013 1:21 PM
To: 'Doll, Laura'; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: RE: Double checking on final versions

Attached is what I think is the latest version of the Agenda.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 03, 2013 10:25 AM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: Double checking on final versions

Terrie or Liza
To be double sure, could you send me what you think are the final version of the invitation letter and the symposium agenda again?

Thanks
Laura

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Wednesday, April 03, 2013 3:24 PM
To: Prosper, Terrie D.
Cc: Doll, Laura
Subject: RE: Double checking on final versions
Attachments: Draft invitation letter from Hagan 3.docx; Agenda for Safety Symposium 0513.docx

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Laura

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 03, 2013 3:32 PM
To: Prosper, Terrie D.
Subject: RE: Double checking on final versions

Should we move the Panel 1 listing to start on the second page so the full panel can be more easily seen? Is that too picky?
And I'm thinking I should have written out "Pacific Gas & Electric Co." for Chris Johns??

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 03, 2013 3:13 PM
To: Malashenko, Elizaveta I.
Cc: Doll, Laura
Subject: FW: Double checking on final versions

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 03, 2013 3:36 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov); elizaveta.malashenko@cpuc.ca.gov
Subject: FW: a draft of the invitation letter -- NOT FINAL YET
Attachments: Draft invitation letter from Hagan 3.docx

This is the last one I can find in my email chains. But I thought I saw one that had the CPUC letterhead or some graphic??

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

PG&E is committed to protecting our customers' privacy.
To learn more, please visit http://www.pge.com/about/company/privacy/customer/

DRAFT Symposium Invitation letter from Gen Hagan – agenda and logistics sheet would be attached (put on CPUC letterhead)

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within Californiaa's utility services and infrastructure sectors ~~'s public utility sector~~. This symposium, "Forging a New Vision of Safety in California," will be held May 7 & 8 in downtown San Francisco and~~.~~ ~~This symposium will~~ focus on natural gas safety issues. Sessions ~~on the first day~~ will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue~~.~~ ~~The second day we will move to the California Public Utilities Commission auditorium at 505 Van Ness Avenue., just a block away from the Johnson Building.~~

This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture~~, which~~ that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah Hersman, Chair of the National Transportation Safety Board. Panels will follow ~~her~~ Chairman Hersman's introduction ~~on~~ to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Just click on this symposium registration website and enter your information: http://events.signup4.com/cpucsafetysymposium.

Formatted: Font: 12 pt

Note that aAn optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1. ~~Additional details are provided in the attached brochure.~~

As Director of the Safety & Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop "win-win" solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III

Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

Attachment: 2013 CPUC Safety Symposium Agenda

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 03, 2013 7:09 PM
To: Malashenko, Elizaveta I.; Doll, Laura
Cc: Hagan, Jack (Brigadier General – CA)
Subject: Docs OK?
Attachments: Hagan Invitation Letter.docx; Agenda for Safety Symposium.docx

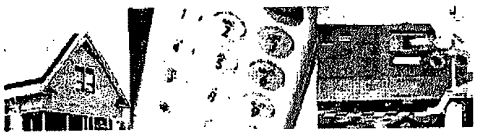
All,

Last chance for comments on these documents before I send them out on Jack's behalf on Thursday. If you have any changes, **please let me know by 1 p.m. on Thursday.** I will put the letter on letterhead before sending it out.

Liza, do you have Jack's signature electronically in any document he has signed? If not, can you please ask Aaron Pete to send me such a document so I can use his signature in the invitation?

Laura, I will send you and Andrea a test email before I send out the email to the distribution list.

Thanks!
Terrie



California Public Utilities Commission

Forging a New Vision of Safety in California Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

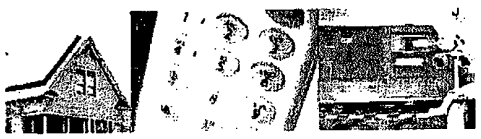
Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety & Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**
3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC*



Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*

Nick Stavropoulos, *Senior Vice President, Gas Operations, PG&E*

5 p.m. **Adjourn**

Evening Event (Optional)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: TBD

Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, President, *PG&E*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety & Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Symposium Invitation letter from Gen Hagan – agenda and logistics sheet would be attached (put on CPUC letterhead)

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue.

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Sincerely,

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Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

Attachment: 2013 CPUC Safety Symposium Agenda

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 04, 2013 5:50 PM
To: Doll, Laura; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: Invitation
Attachments: CPUCSafetySymposium.pdf

Importance: High

Sorry for the delay in sending this out. We were trying to embed it in an email so there wouldn't be an attachment, but it's getting overly time consuming at this point. Below is what I propose I send, along with the attachment attached. OK by you?

Hello,

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The Symposium is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

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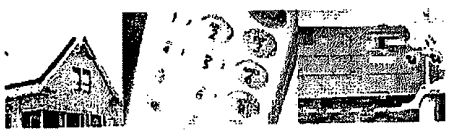

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

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Keynote speakers:

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3:15 – 3:30	**Break**

3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety**
	Moderator: TBD
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	Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*
	Robert C. Figlock, *President, Advanced Survey Design, LLC*
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5 p.m.	**Adjourn**

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12 p.m.	**Concluding Remarks**
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From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 04, 2013 6:17 PM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda
Attachments: CPUCSafetySymposium.pdf

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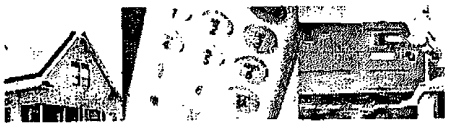
Director, Safety and Enforcement Division
California Public Utilities Commission



California Public Utilities Commission

Forging a New Vision of Safety in California

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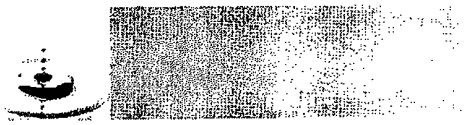

3:30 p.m. **Panel 1: Building a Climate and Culture of Safety**

Moderator: TBD

TBD, Alaska Airlines

Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*

Robert C. Figlock, *President, Advanced Survey Design, LLC*

Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*

Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*

5 p.m. **Adjourn**

Evening Event (Optional)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: TBD

Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, President, *Pacific Gas and Electric Company*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 04, 2013 6:22 PM
To: Doll, Laura; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: RE: Invitation

Done. FYI, I shared the agenda with a trade reporter based in D.C. who has been asking me about the event.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Thursday, April 04, 2013 6:09 PM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea
Subject: Re: Invitation

I love it -- let's go!

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Thursday, April 04, 2013 05:50 PM
To: Doll, Laura; Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Cc: Rosenthal, Andrea
Subject: Invitation

Sorry for the delay in sending this out. We were trying to embed it in an email so there wouldn't be an attachment, but it's getting overly time consuming at this point. Below is what I propose I send, along with the attachment attached. OK by you?

Hello,

Attached please find an invitation from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division, to a Natural Gas Safety Symposium titled, *Forging a New Vision of Safety in California*.

The Symposium is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 05, 2013 8:58 AM
To: Rosenthal, Andrea
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: FW: CPUC Natural Gas Safety Symposium Invitation and Agenda
Attachments: CPUCSafetySymposium.pdf

Andrea
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But the registration confirmation sheet still says "insert correct registration site" here or something like that.
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Laura

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STATE OF CALIFORNIA — EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

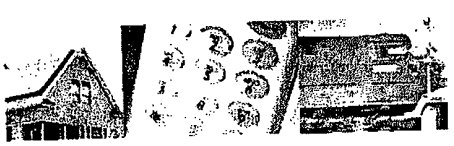
Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**



3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC* Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center* Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner** Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

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8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response** Moderator: TBD Jerry Schmitz, *Vice President, Engineering, SouthWest Gas* Joanne Hayes-White, *Chief, San Francisco Fire Department* Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration* Carl Weimer, *Executive Director, Pipeline Safety Trust*
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12 p.m.	**Concluding Remarks** President Michael R. Peevey, *California Public Utilities Commission* Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Rosenthal, Andrea <ADRG@pge.com>
Sent: Friday, April 05, 2013 9:16 AM
To: Doll, Laura
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: RE: CPUC Natural Gas Safety Symposium Invitation and Agenda

Working on this as we speak. Will confirm once changes are made. And! Good news! People are already registered!

From: Doll, Laura
Sent: Friday, April 05, 2013 8:58 AM
To: Rosenthal, Andrea
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: FW: CPUC Natural Gas Safety Symposium Invitation and Agenda

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Thank you, and please let me know if you have any questions.

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Friday, April 05, 2013 9:47 AM
To: ADRG@pge.com; LRDD@pge.com
Subject: RE: CPUC Natural Gas Safety Symposium Invitation and Agenda

I like it. Do you know the cost of it? Just checking in case we want to use it for other events.

-------- Original message --------
From: "Rosenthal, Andrea" <ADRG@pge.com>
Date:
To: "Doll, Laura" <LRDD@pge.com>
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 05, 2013 10:00 AM
To: Prosper, Terrie D.; Rosenthal, Andrea
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Seriously, you would even consider "other events"???
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Harris, Frederick

From: Rosenthal, Andrea <ADRG@pge.com>
Sent: Friday, April 05, 2013 10:11 AM
To: Doll, Laura; Prosper, Terrie D.
Subject: RE: CPUC Natural Gas Safety Symposium Invitation and Agenda

☺

To answer your question. It is $5,000 for unlimited use. Other registration websites include:

Eventbrite

Acteva

But there are lots out there!

Have a good day!

Andrea

From: Doll, Laura
Sent: Friday, April 05, 2013 10:00 AM
To: Prosper, Terrie D.; Rosenthal, Andrea
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From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Friday, April 05, 2013 10:14 AM
To: ADRG@pge.com; LRDD@pge.com
Subject: RE: CPUC Natural Gas Safety Symposium Invitation and Agenda

Great, thanks!

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From: "Rosenthal, Andrea" <ADRG@pge.com>
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 05, 2013 3:20 PM
To: Yura, Jane; Goelz, Peter (pgoelz@oneillandassoc.com) (pgoelz@oneillandassoc.com); elizaveta.malashenko@cpuc.ca.gov; Bob Chipkevich (bob.chipkevich@gmail.com); jerry.schmitz@swgas.com; Lane, Bret (JLane@semprautilities.com); Jim Hall (jhall@hallassoc.net); wds2texas@aol.com
Cc: Doll, Laura
Subject: Symposium update

Today's core group on the 1:30 call got to hear the great news from Peter that Tom Kemp from Alaska Air is confirmed for the first session! Big relief. Thanks Peter.

The other good news is that the invitations (sent yesterday by the CPUC) appear to have successfully reached everybody who was on the list. ***Please remember to register yourselves on the very easy system embedded in the invitation letter. Also make your hotel reservations as there is limited availability in SF that week.***

Still to come:

1. Confirmation of all **moderators**. Likely to be Senator Mark Leno for Panel 1 and Elizabeth Ashford of the Governor's Office for Panel 2. CPUC needs to finalize that. [Paul Clanon is confirmed for Panel 3.] We have tentative confirmation of Assemblymember Joan Buchanan to introduce Captain Sullenberger at the Tuesday dinner. (Sullenberger lives in her district.)
2. Panel issues/questions. Laura is trying to coordinate with CPUC re Panel 3. Bob Chipevich will contact his panel and lay out format, i.e., 10 min introductory comments followed by moderator and audience questions.
3. Agenda. We talked about some changes in Day 1 to allow more time for Panel 1. Laura will provide a more detailed version of the working agenda.
4. Logistics. We are waiting for the contract from the Marines' Memorial Club to finalize the dinner arrangements. We know we have the space, just need to pay the deposit and sign the contract.
5. Monday dinner with Hagan and utility execs. We know who's coming, but we don't have the location yet. Laura is working on it.

More next week!
Thanks everyone.

Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Monday, April 08, 2013 7:37 AM
To: carl@pstrust.org; Malashenko, Elizaveta I.; LRDD@pge.com
Subject: Re: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hi Carl,

I apologize about this. I am looping in Liza Malashenko from our Safety and Enforcement Division and Laura Doll from PG&E - they are working on the agenda and can shed some light on what's going on.

Terrie

-------- Original message --------
From: Carl Weimer <carl@pstrust.org>
Date:
To: "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Subject: Re: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hi Terrie,

Thanks for the invite to this Symposium. I see from the agenda that I am listed as a speaker. I did have one brief conversation a month ago or so about that possibility, but have heard nothing else since. Will more information be provided soon about expectations, format, etc?

Thanks

Carl

Carl Weimer, Executive Director
Pipeline Safety Trust
300 N. Commercial, Suite B
Bellingham, WA 98225
360-543-5686
http://www.pstrust.org

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Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

<CPUCSafetySymposium.pdf>

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 08, 2013 8:00 AM
To: terrie.prosper@cpuc.ca.gov; carl@pstrust.org; elizaveta.malashenko@cpuc.ca.gov
Cc: Yura, Jane
Subject: Re: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hmmm. I think Bob Chipevich will handle this. I know they talked with him. We will follow up. This is one way to get confirmations! :)

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, April 08, 2013 07:36 AM
To: carl@pstrust.org <carl@pstrust.org>; Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>; Doll, Laura
Subject: Re: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hi Carl,

I apologize about this. I am looping in Liza Malashenko from our Safety and Enforcement Division and Laura Doll from PG&E - they are working on the agenda and can shed some light on what's going on.

Terrie

-------- Original message --------
From: Carl Weimer <carl@pstrust.org>
Date:
To: "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Subject: Re: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hi Terrie,

Thanks for the invite to this Symposium. I see from the agenda that I am listed as a speaker. I did have one brief conversation a month ago or so about that possibility, but have heard nothing else since. Will more information be provided soon about expectations, format, etc?

Thanks

Carl

Carl Weimer, Executive Director
Pipeline Safety Trust
300 N. Commercial, Suite B
Bellingham, WA 98225
360-543-5686
http://www.pstrust.org

On Apr 4, 2013, at 6:16 PM, Prosper, Terrie D. wrote:

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, April 08, 2013 10:43 AM
To: 'Laura Doll (LRDD@pge.com)'; 'Yura, Jane <JKY1@pge.com> (JKY1@pge.com)'
Subject: FW: May 7 sypmosium

FYI... will let you know once I find out more.

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Goldthrite, Cody
Sent: Monday, April 08, 2013 10:39 AM
To: Clanon, Paul
Cc: Brown, Carol A.; Hagan, Jack (Brigadier General – CA); Malashenko, Elizaveta I.
Subject: FW: May 7 sypmosium

Good morning Paul,

It does not look like the Chairman will be able to attend, but is interested in rescheduling.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: Zoeller Thomas [mailto:thomas.zoeller@ntsb.gov]
Sent: Monday, April 08, 2013 9:51 AM
To: Brown, Carol A.
Subject: May 7 sypmosium

Good Afternoon –

I am writing on behalf of Chairman Hersman and the invitation to speak at your upcoming May 7th symposium. Unfortunately, over the last several weeks, with sequestration and the continuing resolution, the Chairman was cancelling travel plans because of financial uncertainties. At this time, it does not appear that the Chairman is going to be able to make the May 7th date. I note in the March 26th letter, President Peevey wrote that this was the first in a series of events. The Chairman would like to know whether she could reschedule for a future symposium date and in

particular, whether any dates are available in late August as there are other speaking invitations in California. Please advise how you would like to proceed.

Thanks,

Tom

Thomas E. Zoeller
Executive Officer and Director, Office of Communications
National Transportation Safety Board
490 L'Enfant Plaza, S.W.
Washington, D.C. 20594
(202) 314-6690 (office)
(240) 752-6306 (fax)
(202) 379-8474 (mobile)

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 08, 2013 11:52 AM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Monday, April 08, 2013 10:43 AM
To: Doll, Laura; Yura, Jane
Subject: FW: May 7 sypmosium

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 08, 2013 12:04 PM
To: emory.hagan@cpuc.ca.gov
Cc: elizaveta.malashenko@cpuc.ca.gov; Yura, Jane
Subject: Symposium issues

General
Good morning – hope all is going well in Boston.
Just left you a voice message.
Chair Hersman can't come out because of sequestration. Jim Hall thinks he can get her to do a video.
If she agrees to that, how about trying to get Peevey to speak after the video? That way the "keynote" would consist of Hersman's video and Peevey's in-person message, and then we'd move into the panel.

Liza – can you see if Peevey is even available the afternoon of the 7th to do this?

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

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Sent: Monday, April 08, 2013 12:07 PM
To: Doll, Laura
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Subject: Re: Symposium issues

Peevey is not. Lets change the dates.

Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

On Apr 8, 2013, at 15:04, "Doll, Laura" <LRDD@pge.com> wrote:

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, April 08, 2013 12:08 PM
To: Doll, Laura; Jane <JKY1@pge. com> Yura
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Harris, Frederick

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 08, 2013 12:11 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: FW: Symposium issues

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Harris, Frederick

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Subject: Re: Symposium issues

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Harris, Frederick

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Liza

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On Apr 8, 2013, at 15:09, "Doll, Laura" <LRDD@pge.com> wrote:

> You mean reschedule the entire conference now that the invitations have gone out?
>
> **From:** Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
> **Sent:** Monday, April 08, 2013 12:07 PM
> **To:** Doll, Laura
> **Cc:** Malashenko, Elizaveta I.; Yura, Jane
> **Subject:** Re: Symposium issues
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> > Thanks
> > Laura
> >
> > Laura Doll
> > Director, Regulatory Relations
> > lrdd@pge.com

office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, April 08, 2013 2:02 PM
To: Hagan, Jack (Brigadier General – CA); 'Laura Doll (LRDD@pge.com)'
Cc: 'Yura, Jane <JKY1@pge.com> (JKY1@pge.com)'
Subject: Peevey is confirmed for Gas Safety Symposium

All,

President Peevey is confirmed for the following times:

- May 7th at approximately 2pm (after chairman Hersman's virtual address)
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I'm assuming that we are back on track for the original dates. We will now work on making the arrangements to have Chairman Hersman to speak virtually.

Regards,

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 08, 2013 5:22 PM
To: elizaveta.malashenko@cpuc.ca.gov
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: public notice for symposium?

Did that get posted do you know? Does it have to be posted 30 days in advance?

Laura Doll
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Harris, Frederick

From: Yura, Jane <JKY1@pge.com>
Sent: Monday, April 08, 2013 5:41 PM
To: Malashenko, Elizaveta I.
Subject: RE: Peevey is confirmed for Gas Safety Symposium

Thank you Liza --- you saved the day!
Jane

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 08, 2013 7:42 PM
To: elizaveta.malashenko@cpuc.ca.gov
Subject: Carl Wood

Liza
Sorry to ask you to do this, but could you shoot Carl Wood an email saying that you knew that Kim had reached out to him about being on a panel for the safety symposium but that the agenda subsequently changed?
Since it came from the CPUC, I think the clarification also should come from the CPUC.
Carl is a former Commissioner (as you may know) and I just don't want this loose end and potential awkwardness.

Thanks – and thanks again for saving the day today.
Laura

From: Kim Malcolm [mailto:kimm711@msn.com]
Sent: Monday, April 08, 2013 6:51 PM
To: Doll, Laura
Subject: RE: My whereabouts

Hi Laura, I don't feel comfortable representing the Commission on this now that I am employed at the SFPUC. His email is carlwood@uwua.net.
Hope the rest of the planning is going well.
Kim

> From: LRDD@pge.com
> To: kimm711@msn.com
> Subject: Re: My whereabouts
> Date: Tue, 9 Apr 2013 01:02:41 +0000
>
> Kim
> Just remembered: can you recontact carl wood and tell him the agenda changed so he won't need to be on a panel??
> He was invited as a participant, but we need to make clear he's not speaking.
> Thanks!!
> Laura
>

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 09, 2013 8:42 AM
To: elizaveta.malashenko@cpuc.ca.gov; emory.hagan@cpuc.ca.gov
Cc: Yura, Jane
Subject: Fw: Natural Gas Safety Symposium May 7-8

Liza and Gen Hagan
Here is Bob Chipevich's outreach to the emergency response panel. (Bob works with jim Hall and, like Jim, is a former NTSB investigator.)

Laura

From: Bob Chipkevich [mailto:bob.chipkevich@gmail.com]
Sent: Tuesday, April 09, 2013 08:30 AM
To: carl@pstrust.org <carl@pstrust.org>; Jerry.Schmitz@swgas.com <Jerry.Schmitz@swgas.com>; tim.butters@dot.gov <tim.butters@dot.gov>; fireadministration@sfgov.org <fireadministration@sfgov.org>
Cc: Knapp, Kevin; Doll, Laura; Yura, Jane
Subject: Natural Gas Safety Symposium May 7-8

Carl, Jerry, Tim and Chief Hayes-White,

Thank you all for agreeing to participate on a panel at the Natural Gas Safety Symposium scheduled for May 7and 8 in San Francisco. The focus of this symposium is Forging a New Vision of Safety in California and you should have received an invitation from General Hagan through an email from Terrie Prosper at the California Public Utilities Commission on April 4 to register. Please be sure to register, there is no fee - and also please sign up for the dinner the evening of May 7 if you would like to attend. A reservation for the dinner needs to be completed by May 1. Following is the link provided in the invitation letter to register http://events.signup4.com/cpucsafetysymposium .

Your panel - "Effectively Managing Pipeline Emergency Response" is scheduled for May 8, beginning at 8:30 am, in the Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Avenue. Elizabeth Ashford of the Governor's Office has been asked to moderate the panel and expressed interest to do so, the CPUC is awaiting confirmation. Following are the names and titles of the members of your panel:
Carl Weimer, Executive Director, Pipeline Safety Trust
Jerry Schmitz, Vice President, Engineering, SowthWest Gas
Tim Butters, Deputy Administrator, Pipeline and Hazardous Safety Administration
Chief Joanne Hayes-White, San Francisco Fire Department

Each panelist will be given 10-15 minutes to provide comments followed by approximately 30 minutes scheduled for questions. Equipment will be available for PowerPoint, please let us know if you have any special needs.

Suggested topics of discussion for panel 3 are:

- Elements that make a response to a gas pipeline emergency successful.
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications

between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.

- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.
- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.
- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any strike or damage to a pipeline that may not result in an immediate release.

We will advise you when your moderator has been confirmed. I look forward to seeing each of you at the symposium. If you have any question, I will be happy to direct you to the right person or get an answer for you. You may contact me by email or my cell phone at 202-320-6313 at any time, and I will get back to you as soon as possible.

Thanks, Bob Chipkevich

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Tuesday, April 09, 2013 9:03 AM
To: 'Yura, Jane'
Subject: RE: Peevey is confirmed for Gas Safety Symposium

Thanks! Glad I could help.

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Yura, Jane [mailto:JKY1@pge.com]
Sent: Monday, April 08, 2013 5:41 PM
To: Malashenko, Elizaveta I.
Subject: RE: Peevey is confirmed for Gas Safety Symposium

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Sent: Monday, April 08, 2013 2:02 PM
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Harris, Frederick

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Cc: Prosper, Terrie D.
Subject: RE: public notice for symposium?

It will be on the calendar starting tomorrow...

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Cc: Prosper, Terrie D.
Subject: public notice for symposium?

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 09, 2013 9:16 AM
To: elizaveta.malashenko@cpuc.ca.gov
Cc: terrie.prosper@cpuc.ca.gov; Yura, Jane
Subject: Re: public notice for symposium?

Thank you -- another item off the list!

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
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Harris, Frederick

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 09, 2013 11:10 AM
To: Prosper, Terrie D.
Subject: RE: Symposium issues

NOT CHANGED!!!!

My heart stopped for about an hour. I called Paul. The skies parted.

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Harris, Frederick

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By Friday I hope to give you some agenda changes to post: tweaking times a bit, adding the moderators, etc. Hope your arm comes back soon!!!

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 09, 2013 11:17 AM
To: Doll, Laura
Subject: RE: Symposium issues

☺ OK!

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:16 AM
To: Prosper, Terrie D.
Subject: RE: Symposium issues

By Friday I hope to give you some agenda changes to post: tweaking times a bit, adding the moderators, etc. Hope your arm comes back soon!!!

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:14 AM
To: Doll, Laura
Subject: RE: Symposium issues

Good!

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:10 AM
To: Prosper, Terrie D.
Subject: RE: Symposium issues

Oh, and Peevey IS available after all.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:09 AM
To: Doll, Laura
Subject: RE: Symposium issues

Tell me the date wasn't changed??

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 12:11 PM
To: Prosper, Terrie D.
Subject: FW: Symposium issues

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Monday, April 08, 2013 12:08 PM
To: Doll, Laura; Yura, Jane
Subject: Re: Symposium issues

Let me check with Peevey again before you do anything....

On Apr 8, 2013, at 12:07 PM, "Hagan, Jack (Brigadier General – CA)" <emory.hagan@cpuc.ca.gov> wrote:

Peevey is not. Lets change the dates.

Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

On Apr 8, 2013, at 15:04, "Doll, Laura" <LRDD@pge.com> wrote:

General
Good morning – hope all is going well in Boston.
Just left you a voice message.
Chair Hersman can't come out because of sequestration. Jim Hall thinks he can get her to do a video.
If she agrees to that, how about trying to get Peevey to speak after the video? That way the "keynote" would consist of Hersman's video and Peevey's in-person message, and then we'd move into the panel.

Liza – can you see if Peevey is even available the afternoon of the 7th to do this?

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 09, 2013 11:52 AM
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Subject: Your safety symposium panel
Attachments: Panel 3 questions 040813.docx

Here is one of the things I'd like to talk with you about today.

See you at 4:30 – where is easiest for you?

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10:15 – 12:00 **Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**

Moderator: Paul Clanon, Executive Director, CA PUC

Commissioner Mike Florio, CA PUC

Commissioner Paul J. Roberti, Rhode Island PUC

Chris Johns, President, PG&E

Dennis Arriola, President & COO, So Cal Gas

Panel concept: Bring together two regulators and two utility company presidents for a discussion about safety leadership and what each would like to see in the other.

- From your perspective, what constitutes "safe enough" as it relates to the public safety performance of a gas utility? Is this an abstract or an empirical objective?
- How specifically can the Commission and the utilities improve their working relationships in the interest of public safety for gas operations in California?
- Is public safety really a shared responsibility for both the regulated companies and the regulators? If so, what is the appropriate balance between the parties for this shared responsibility to the public?
- How can the companies do a better job of meeting regulator needs? What are the largest barriers to that success?
- How can regulators do a better job of defining what will be needed from the utilities with a common objective of improving productivity and reporting?

Harris, Frederick

From: Clanon, Paul <paul.clanon@cpuc.ca.gov>
Sent: Tuesday, April 09, 2013 12:55 PM
To: Doll, Laura
Subject: Re: Your safety symposium panel

My office if that's ok.

On Apr 9, 2013, at 11:52 AM, "Doll, Laura" <LRDD@pge.com> wrote:

> Here is one of the things I'd like to talk with you about today.
>
> See you at 4:30 – where is easiest for you?

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<Panel 3 questions 040813.docx>

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 09, 2013 1:21 PM
To: paul.clanon@cpuc.ca.gov
Subject: Re: Your safety symposium panel

Of course!

From: Clanon, Paul [mailto:paul.clanon@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 12:54 PM
To: Doll, Laura
Subject: Re: Your safety symposium panel

My office if that's ok.

On Apr 9, 2013, at 11:52 AM, "Doll, Laura" <LRDD@pge.com> wrote:

> Here is one of the things I'd like to talk with you about today.
>
> See you at 4:30 – where is easiest for you?
>
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>
> <Panel 3 questions 040813.docx>

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 09, 2013 2:27 PM
To: Doll, Laura
Subject: RE: agenda typo
Attachments: Agenda for Safety Symposium_v2.pdf

How's this?

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 05, 2013 10:17 AM
To: Prosper, Terrie D.
Subject: agenda typo

As always happens, there's an error – MY error.
Nick Stavropoulos is an EXECUTIVE VP.
You know how sensitive they are . . .
Any chance you could change that?

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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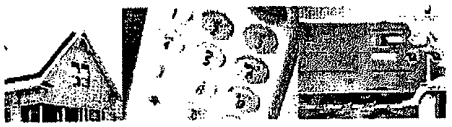

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**

3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC* Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center* Nick Stavropoulos, *Executive Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner** Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response** Moderator: TBD Jerry Schmitz, *Vice President, Engineering, SouthWest Gas* Joanne Hayes-White, *Chief, San Francisco Fire Department* Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration* Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?** Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission* Commissioner Mike Florio, *California Public Utilities Commission* Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission* Chris Johns, President, *Pacific Gas and Electric Company* Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks** President Michael R. Peevey, *California Public Utilities Commission* Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Stanford, Robert <robert.stanford@cpuc.ca.gov>
Sent: Tuesday, April 09, 2013 5:05 PM
To: 'Doll, Laura'; Prosper, Terrie D.
Cc: Mann, Jesse
Subject: MAY 07 2013 -

Hi Terrie and Laura:

I clicked on the below link and couldn't find anything about a May 7th Symposium. Can someone fill-me in on the details? Or direct me to somewhere I can find out more information?

Thanks,
Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: MAY 07 2013 -

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 09, 2013 5:10 PM
To: Stanford, Robert; 'Doll, Laura'
Cc: Mann, Jesse
Subject: RE: MAY 07 2013 -
Attachments: CPUCSafetySymposium_v2.pdf

Please see attached (for your use only, as the agenda will be updated).

From: Stanford, Robert
Sent: Tuesday, April 09, 2013 5:05 PM
To: 'Doll, Laura'; Prosper, Terrie D.
Cc: Mann, Jesse
Subject: MAY 07 2013 -

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Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
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STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

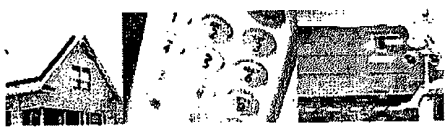
This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission



California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
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5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner** Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response** Moderator: TBD Jerry Schmitz, *Vice President, Engineering, SouthWest Gas* Joanne Hayes-White, *Chief, San Francisco Fire Department* Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration* Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
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12 p.m.	**Concluding Remarks** President Michael R. Peevey, *California Public Utilities Commission* Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 09, 2013 8:35 PM
To: emory.hagan@cpuc.ca.gov
Cc: bob.chipkevich@gmail.com; Yura, Jane; Doll, Laura
Subject: Fw: background

Great -- now this panel is complete!
Bob Chipkevich will be in touch with her soon.

Thanks for confirming.
(And by the way, our system won't let me send to your sbcglobal address, so I hope you get this.)

Laura

From: Brig General (CA) Jack Hagan [mailto:ejhagan@sbcglobal.net]
Sent: Tuesday, April 09, 2013 07:45 PM
To: Doll, Laura
Cc: ejhagan@sbcglobal.net <ejhagan@sbcglobal.net>; ejh@cpuc.ca.gov <ejh@cpuc.ca.gov>
Subject: FW: background

Laura,

Here is Elizabeth's bio. She would be good to moderate the Emergency management panel. Take a look and please send her the info on the symposium.

Thanks,

BG H

Brigadier General (CA) Emory J. Hagan, III
(916) 267-7201 Cell
ejhagan@sbcglobal.net

From: Elizabeth Ashford [mailto:eashford@gmail.com]
Sent: Friday, April 05, 2013 11:04
To: Jack Hagan
Subject: background

Jack,
Great to speak to you.
Bio is below. I would *love* to moderate the crisis panel, but defer to you on what you feel is the best fit. Either way, I look forward to it! Thank you again for thinking of me.
Re BP, here's what I did (not articulated in the bio to this level of detail...
Have fun at Harvard!
All best,
Elizabeth

2009 – 2011 Brunswick Group
Senior Advisor, BP Crisis and Litigation Communications
Provided crisis communications support to BP executives in Houston, Texas during the Deepwater Horizon oil spill, across media and audiences globally. Developed communications strategy to support BP's legal defense during the largest set of investigations in U.S. history.

Biography

Elizabeth Ashford is a communications and public affairs strategist who has served as a senior advisor and spokesperson for California governors Jerry Brown and Arnold Schwarzenegger.

Ashford has also worked abroad extensively, helping Fortune 500 and FTSE 100 companies navigate complex political and media challenges.

As an on-the-record spokesperson for Governor Brown from 2011–2013, Ashford developed communications strategies and worked with reporters to promote his policy, litigation and legislative goals. She also oversaw press relations across California's state agencies and departments. Her work supported the Governor's successful efforts to balance the state budget, implement public safety realignment and bring renewable energy online.

In 2012, she helped pass Governor Brown's Proposition 30 initiative to fund public schools.

From 2009–2011 Ashford was chief of staff at Brunswick Group, a public affairs firm headquartered in London, England, where she helped manage global operations and advisory work for major companies, with a focus on crisis communications. Clients included BP during the Deepwater Horizon spill; Kraft Foods throughout its acquisition of Cadbury chocolates; and the government of Dubai following the emirate's debt crisis.

From 2006–2008 she served as chief deputy communications director and then chief deputy cabinet secretary for Governor Schwarzenegger. In this capacity, Ashford developed strategies to respond to California's massive wildfires in 2007 and 2008, promote healthcare reform and pass the California Global Warming Solutions Act (AB 32).

She has also supported communications for non-profits and schools, including Save the Children and the San Francisco Conservatory of Music.

Ashford earned a Bachelor of Arts degree in comparative religion from the University of California Los Angeles and a Master of International Affairs degree from Columbia University. She is a third generation Californian.

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 4:06 AM
To: Doll, Laura; Malashenko, Elizaveta I.
Cc: Yura, Jane
Subject: RE: Natural Gas Safety Symposium May 7-8

I would add one question:

How do you handle the first press conference of an incident in area where there has been a death and/or serious injuries?

Brigadier General (CA) Emory J. Hagan, III
Director
Safety and Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201 Mobile
ejh@cpuc.ca.gov
"No one dies on my watch!"
"No better friend - no worse enemy!"
Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

From: Doll, Laura [LRDD@pge.com]
Sent: Tuesday, April 09, 2013 08:41
To: Malashenko, Elizaveta I.; Hagan, Jack (Brigadier General – CA)
Cc: Yura, Jane
Subject: Fw: Natural Gas Safety Symposium May 7-8

Liza and Gen Hagan
Here is Bob Chipevich's outreach to the emergency response panel. (Bob works with jim Hall and, like Jim, is a former NTSB investigator.)

Laura

From: Bob Chipkevich [mailto:bob.chipkevich@gmail.com]
Sent: Tuesday, April 09, 2013 08:30 AM
To: carl@pstrust.org <carl@pstrust.org>; Jerry.Schmitz@swgas.com <Jerry.Schmitz@swgas.com>; tim.butters@dot.gov <tim.butters@dot.gov>; fireadministration@sfgov.org <fireadministration@sfgov.org>
Cc: Knapp, Kevin; Doll, Laura; Yura, Jane
Subject: Natural Gas Safety Symposium May 7-8

Carl, Jerry, Tim and Chief Hayes-White,

Thank you all for agreeing to participate on a panel at the Natural Gas Safety Symposium scheduled for May 7and 8 in San Francisco. The focus of this symposium is Forging a New Vision of Safety in California and you should have received an invitation from General Hagan through an email from Terrie Prosper at the California Public Utilities Commission on April 4 to register. Please be sure to register, there is no fee - and also please sign up for the dinner the evening of May 7 if you would like to attend. A reservation for the dinner needs to be

completed by May 1. Following is the link provided in the invitation letter to register http://events.signup4.com/cpucsafetysymposium .

Your panel - "Effectively Managing Pipeline Emergency Response" is scheduled for May 8, beginning at 8:30 am, in the Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Avenue. Elizabeth Ashford of the Governor's Office has been asked to moderate the panel and expressed interest to do so, the CPUC is awaiting confirmation. Following are the names and titles of the members of your panel:
Carl Weimer, Executive Director, Pipeline Safety Trust
Jerry Schmitz, Vice President, Engineering, SowthWest Gas
Tim Butters, Deputy Administrator, Pipeline and Hazardous Safety Administration
Chief Joanne Hayes-White, San Francisco Fire Department

Each panelist will be given 10-15 minutes to provide comments followed by approximately 30 minutes scheduled for questions. Equipment will be available for PowerPoint, please let us know if you have any special needs.

Suggested topics of discussion for panel 3 are:

- Elements that make a response to a gas pipeline emergency successful.
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.
- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.
- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.
- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any strike or damage to a pipeline that may not result in an immediate release.

We will advise you when your moderator has been confirmed. I look forward to seeing each of you at the symposium. If you have any question, I will be happy to direct you to the right person or get an answer for you. You may contact me by email or my cell phone at 202-320-6313 at any time, and I will get back to you as soon as possible.

Thanks, Bob Chipkevich

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 4:17 AM
To: Doll, Laura
Subject: FW: Safety Symposium

fyi

Brigadier General (CA) Emory J. Hagan, III
Director
Safety and Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201 Mobile
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"No one dies on my watch!"
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Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

From: Hagan, Jack (Brigadier General – CA)
Sent: Monday, April 08, 2013 13:02
To: Bridges, Jody G CAPT NASC, N3E
Subject: Re: Safety Symposium

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Amswers:

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2. Travel, lodging, and meals (either provided or reimbursed when you turn in a receipt.

Luara Doll from PG&E can provide more details. Hopes this answers all your question. z
Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 7:09 AM
To: emory.hagan@cpuc.ca.gov
Cc: Yura, Jane
Subject: Re: Safety Symposium

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(916) 267-7201 Cell
Sent from my iPhone

On Apr 10, 2013, at 10:09, "Doll, Laura" <LRDD@pge.com> wrote:

> Ill get in touch with him. The utilities will share the cost -- PGE, SoCal Gas, and SW Gas. But PGE will manage it.
>
> **From:** Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
> **Sent:** Wednesday, April 10, 2013 04:16 AM
> **To:** Doll, Laura
> **Subject:** FW: Safety Symposium
>
> fyi
>
> Brigadier General (CA) Emory J. Hagan, III
> Director
> **Safety and Enforcement Division**
> California Public Utilities Commission
> 505 Van Ness Avenue
> San Francisco, CA 94102

(916) 267-7201 Mobile
ejh@cpuc.ca.gov
"No one dies on my watch!"
"No better friend - no worse enemy!"
Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

From: Hagan, Jack (Brigadier General – CA)
Sent: Monday, April 08, 2013 13:02
To: Bridges, Jody G CAPT NASC, N3E
Subject: Re: Safety Symposium

Jody rout
Lop
Amswers:

1, PG&E is paying.

2. Travel, lodging, and meals (either provided or reimbursed when you turn in a receipt.

Luara Doll from PG&E can provide more details. Hopes this answers all your question. z
Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

On Apr 8, 2013, at 12:20, "Bridges, Jody G CAPT NASC, N3E" <jody.g.bridges@navy.mil> wrote:

> General,
> Since a non-federal entity is paying for my travel IAW the JER I have to get approval from the travel approving authority. They have a couple questions;
>
>
> 1) Exactly what entity would be paying for the travel - The California Public Utilities Commission, or would the travel actually be paid by another conference sponsor?
>
> I assume the CPUC is paying...true?
>
> 2) What is included in this offer? In addition to your transportation, will meals and lodging also be covered by the sponsor?
>
> Personally, I do not need per diem, I request that only transportation, and lodging (will have to be within govt travel rates) be paid.
>
> Thanks,
> V/r
> Caveman
>
>
> -----Original Message-----
> From: Bridges, Jody G CAPT NASC, N3E
> Sent: Monday, March 04, 2013 3:17 PM
> To: 'Hagan, Jack (Brigadier General - CA)'
> Subject: RE: Safety Symposium
>
> General,
> Here are some investigations training venues:
> The venues we are most familiar with are:
>
> -Air Force Mishap Investigation Course http://www.afsec.af.mil/organizations/education/amic.asp

> -Army Accident Investigation and Analysis Course
https://safety.army.mil/training/AVIATIONSAFETYOFFICERTRAINING/AccidentInvestigationandAnalysisCourse/tabid/2345/Default.aspx
> -NTSB Training Center http://www.ntsb.gov/trainingcenter/CourseInfo/sched_courses_2013.html
> -Southern California Safety Institute http://www.scsi-inc.com/course-catalog.php
> -USC Viterbi http://viterbi.usc.edu/aviation/courses/
>
> Our investigator instructor thinks SCSI had the best curriculum.
>
> OBTW: Talked to Ken Cameron about the Symposium and he would be interested in being on the panel....
> V/r
> Caveman
>
> -----Original Message-----
> From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 4:11 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Subject: RE: Safety Symposium
>
> Thanks. See you in SF
>
> Brigadier General (CA) Emory J. Hagan, III
> (916) 267-7201 Cell
> ejh@cpuc.ca.gov
>
>
> -----Original Message-----
> From: Bridges, Jody G CAPT NASC, N3E [mailto:jody.g.bridges@navy.mil]
> Sent: Friday, March 01, 2013 1:16 PM
> To: Hagan, Jack (Brigadier General - CA)
> Subject: RE: Safety Symposium
>
> Oops.. didn't attach the first time.
> V/r
>
>
> -----Original Message-----
> From: Bridges, Jody G CAPT NASC, N3E
> Sent: Friday, March 01, 2013 2:58 PM
> To: 'Hagan, Jack (Brigadier General - CA)'
> Subject: RE: Safety Symposium
>
> General,
> Would love to attend, if on California's dime...as you know CR and Sequestration is hitting our travel budget. You can count me in.
>
> I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested butI think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monterrey.
>
> Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use.
>
> Below is contact info for potential panel members:
>
> Former Director of School of Aviation Safety Robert Conway Manager of Quality Engineering at The Walt Disney Company Aerospace Safety Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical University All I have is his email...Bob.E.Conway@disney.com

>
> Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
> BIO:
> http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
> Mobile: 832-289-4274 or 850-525-8940
> Email: kdcameron37@aol.com
>
> Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC.
> 1193 10th Street Suite
> Monterey, CA (California) 93940
> Monterey County / Region
> United States
> Phone (831) 641-9700
> Toll Free Phone (800) 960-7104
> Fax(408) 228-8018
>
> Former Director of School of Aviation Safety Kenneth P. Neubauer Technical Director, Aerospace Safety Futron Corporation
> 4410 E. Claiborne Sq., Suite 334
> Hampton, VA 2366
> Office: (800) 807-4927, x7317
> Mobile: (757) 293-8438
> http://www.futron.com/safety_n_risk.xml
>
>
> Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend.
>
> V/r
> Caveman
>
> -----Original Message-----
> From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 1:31 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Cc: ejhagan@sbcglobal.net
> Subject: Safety Symposium
>
> Caveman,
>
>
>
> How would you like to come to San Francisco 7-8 May and be on a panel at my first Safety Symposium to speak on climate and culture as it effects safety. The Audience would be the presidents, CEO's, and board of directors of the gas companies in California and the Californian Public Utilities Commission Commissioners. About 100 people.
>
>
>
> Who else would you recommend be on this panel? We have Capt Sullenberger as a quest speaker.
>
>
>
> We will pay your freight.
>
>
>
> Separate item: Where can I send my people to good accident investigation training and where is the format for an accident investigation not the JAG manual investigation, but mishap investigation? I am trying to establish a two

track investigation process: Safety investigation with privileged information and a separate punitive investigation for responsibility.
>
>
>
> Let me know what you think and I hope to see you in May.
>
>
>
> Semper Fi,
>
> BG H
>
>
>
> Brigadier General (CA) Emory J. Hagan, III
>
> Director,
>
> Safety and Enforcement Division
>
> California Public Utilities Commission
>
> 505 Van Ness Avenue
>
> San Francisco, CA 94102
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> (916) 267-7201
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> ejh@cpuc.ca.gov
>
> My mission: "No one dies on my watch!"
>
> "No better friend - No worse enemy!"
>
>
>
> Please Note: Effective 1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.
>
>
>
>
>

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 8:25 AM
To: 'Laura Doll (LRDD@pge.com)'
Subject: Symposium Website

Laura,

When you click on the symposium website, there is nothing on the agenda. Sorry if I missed the conversation on this, but is it intentional because we are waiting to finalize or is the site broken?

Thanks,

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: Stanford, Robert <robert.stanford@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 8:27 AM
To: Prosper, Terrie D.; 'Doll, Laura'
Cc: Mann, Jesse
Subject: RE: MAY 07 2013 -

Terrie:

Thanks!

Robert

From: Prosper, Terrie D.
Sent: Tuesday, April 09, 2013 5:10 PM
To: Stanford, Robert; 'Doll, Laura'
Cc: Mann, Jesse
Subject: RE: MAY 07 2013 -

Please see attached (for your use only, as the agenda will be updated).

From: Stanford, Robert
Sent: Tuesday, April 09, 2013 5:05 PM
To: 'Doll, Laura'; Prosper, Terrie D.
Cc: Mann, Jesse
Subject: MAY 07 2013 -

Hi Terrie and Laura:

I clicked on the below link and couldn't find anything about a May 7th Symposium. Can someone fill-me in on the details? Or direct me to somewhere I can find out more information?

Thanks,
Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: MAY 07 2013 -

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 9:25 AM
To: Malashenko, Elizaveta I.
Cc: Rosenthal, Andrea; Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: RE: Symposium Website

Looping in the experts to see.

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 8:25 AM
To: Doll, Laura
Subject: Symposium Website

Laura,

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Thanks,

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

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Harris, Frederick

From: Rosenthal, Andrea <ADRG@pge.com>
Sent: Wednesday, April 10, 2013 9:29 AM
To: Doll, Laura; Malashenko, Elizaveta I.
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: RE: Symposium Website

I can remove this tab or include the content from the agenda that was sent out with the invitation.

Thank you!

Andrea

From: Doll, Laura
Sent: Wednesday, April 10, 2013 9:25 AM
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Thanks,

Liza

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 9:30 AM
To: Rosenthal, Andrea; Malashenko, Elizaveta I.
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
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Does anyone have a problem with that?

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 10:18 AM
To: Doll, Laura; Rosenthal, Andrea; Malashenko, Elizaveta I.
Subject: RE: Symposium Website

I agree to include it.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 10, 2013 9:30 AM
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Harris, Frederick

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Sent: Wednesday, April 10, 2013 10:31 AM
To: Prosper, Terrie D.; Doll, Laura; Rosenthal, Andrea
Subject: RE: Symposium Website

I agree too ☺

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Acting Deputy Director
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Harris, Frederick

From: Rosenthal, Andrea <ADRG@pge.com>
Sent: Wednesday, April 10, 2013 10:36 AM
To: Malashenko, Elizaveta I.; Prosper, Terrie D.; Doll, Laura
Subject: RE: Symposium Website

Hi All,

The website now reflects the agenda.

Thank you!

Andrea

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 10:31 AM
To: Prosper, Terrie D.; Doll, Laura; Rosenthal, Andrea
Subject: RE: Symposium Website

I agree too ☺

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 10:32 AM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda
Attachments: CPUCSafetySymposium.pdf

Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook I Twitter I www.cpuc.ca.gov

STATE OF CALIFORNIA — EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

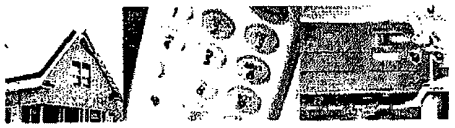
Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**



3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC* Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center* Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner** Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response** Moderator: TBD Jerry Schmitz, *Vice President, Engineering, SouthWest Gas* Joanne Hayes-White, *Chief, San Francisco Fire Department* Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration* Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?** Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission* Commissioner Mike Florio, *California Public Utilities Commission* Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission* Chris Johns, President, *Pacific Gas and Electric Company* Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks** President Michael R. Peevey, *California Public Utilities Commission* Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 10, 2013 2:16 PM
To: Malashenko, Elizaveta I.; Doll, Laura
Subject: Symposium page

FYI, I had this page created. We can add to it and make updates as needed.

http://www.cpuc.ca.gov/PUC/safety/Pipeline/May_7-8_2013_Safety_Symposium.htm

Terrie

****

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 2:17 PM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Cc: Yura, Jane
Subject: RE: Symposium page

Very nice!
At some point we could add bios, that point being when I get them . . .
Thanks

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 2:16 PM
To: Malashenko, Elizaveta I.; Doll, Laura
Subject: Symposium page

FYI, I had this page created. We can add to it and make updates as needed.

http://www.cpuc.ca.gov/PUC/safety/Pipeline/May_7-8_2013_Safety_Symposium.htm

Terrie

****

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 2:36 PM
To: jody.g.bridges@navy.mil
Cc: emory.hagan@cpuc.ca.gov; Yura, Jane; Doll, Laura
Subject: Travel to SF

Captain Bridges
I just left you a voicemail but want to follow up about your travel to San Francisco for the May 7-8 symposium.

The combined gas utilities will be paying your expenses (PG&E, Southern California Gas, and Southwest Gas Corp) and PG&E will coordinate the payment. It is easiest for us if you make your own arrangements: air, hotel, etc. Keep receipts and then submit them afterward, through me, and we will get you reimbursed.

You should have received the email invitation sent out by the CPUC last seek. You need to register on-line so we have a detailed headcount.
The Marine's Memorial Club has some rooms available, and that might be a good location for you as the Tuesday night dinner is there and it's conveniently located and I assume they have a government rate. Just contact them directly at 1.800.562.7463, or at www.marineclub.com. We'll be paying for the Tuesday night dinner directly, but there is a cash bar beforehand. All other meals will be on your own, and we will reimburse you for reasonable charges (which I have no doubt you are used to!)

Hope this clears things up.
Let me know if you need anything further on the travel side of things. Someone, probably Peter Goelz, will be contacting you to talk about the panel format and provide some questions to consider. Basically, you'll have about 10 minutes to make some brief remarks following Ted Kemp from Alaska Air. Then we'll open it up to questions.

Looking forward to meeting you in May!
Regards
Laura Doll

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 4:17 AM
To: Doll, Laura
Subject: FW: Safety Symposium

fyi

Director
Safety and Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201 Mobile
ejh@cpuc.ca.gov
"No one dies on my watch!"
"No better friend - no worse enemy!"
Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

From: Hagan, Jack (Brigadier General – CA)
Sent: Monday, April 08, 2013 13:02
To: Bridges, Jody G CAPT NASC, N3E
Subject: Re: Safety Symposium

Jody rout
Lop
Amswers:

1, PG&E is paying.

2. Travel, lodging, and meals (either provided or reimbursed when you turn in a receipt.

Luara Doll from PG&E can provide more details. Hopes this answers all your question. z
Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision
California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

On Apr 8, 2013, at 12:20, "Bridges, Jody G CAPT NASC, N3E" <jody.g.bridges@navy.mil> wrote:

> General,
> Since a non-federal entity is paying for my travel IAW the JER I have to get approval from the travel approving authority. They have a couple questions;
>
>
> 1) Exactly what entity would be paying for the travel - The California Public Utilities Commission, or would the travel actually be paid by another conference sponsor?
>
> I assume the CPUC is paying...true?
>
> 2) What is included in this offer? In addition to your transportation, will meals and lodging also be covered by the sponsor?
>
> Personally, I do not need per diem, I request that only transportation, and lodging (will have to be within govt travel rates) be paid.
>
> Thanks,
> V/r
> Caveman
>
>
> -----Original Message-----
> From: Bridges, Jody G CAPT NASC, N3E
> Sent: Monday, March 04, 2013 3:17 PM
> To: 'Hagan, Jack (Brigadier General - CA)'
> Subject: RE: Safety Symposium
>
> General,
> Here are some investigations training venues:

> The venues we are most familiar with are:
>
> -Air Force Mishap Investigation Course http://www.afsec.af.mil/organizations/education/amic.asp
> -Army Accident Investigation and Analysis Course https://safety.army.mil/training/AVIATIONSAFETYOFFICERTRAINING/AccidentInvestigationandAnalysisCourse/tabid/2345/Default.aspx
> -NTSB Training Center http://www.ntsb.gov/trainingcenter/CourseInfo/sched_courses_2013.html
> -Southern California Safety Institute http://www.scsi-inc.com/course-catalog.php
> -USC Viterbi http://viterbi.usc.edu/aviation/courses/
>
> Our investigator instructor thinks SCSI had the best curriculum.
>
> OBTW: Talked to Ken Cameron about the Symposium and he would be interested in being on the panel....
> V/r
> Caveman
>
> -----Original Message-----
> From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 4:11 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Subject: RE: Safety Symposium
>
> Thanks. See you in SF
>
> Brigadier General (CA) Emory J. Hagan, III
> (916) 267-7201 Cell
> ejh@cpuc.ca.gov
>
>
> -----Original Message-----
> From: Bridges, Jody G CAPT NASC, N3E [mailto:jody.g.bridges@navy.mil]
> Sent: Friday, March 01, 2013 1:16 PM
> To: Hagan, Jack (Brigadier General - CA)
> Subject: RE: Safety Symposium
>
> Oops.. didn't attach the first time.
> V/r
>
>
> -----Original Message-----
> From: Bridges, Jody G CAPT NASC, N3E
> Sent: Friday, March 01, 2013 2:58 PM
> To: 'Hagan, Jack (Brigadier General - CA)'
> Subject: RE: Safety Symposium
>
> General,
> Would love to attend, if on California's dime...as you know CR and Sequestration is hitting our travel budget. You can count me in.
>
> I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested butI think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monterrey.
>
> Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use.
>
> Below is contact info for potential panel members:
>
> Former Director of School of Aviation Safety Robert Conway Manager of Quality Engineering at The Walt Disney Company Aerospace Safety Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical University All I have is his

email...Bob.E.Conway@disney.com
>
> Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
> BIO:
> http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
> Mobile: 832-289-4274 or 850-525-8940
> Email: kdcameron37@aol.com
>
> Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC.
> 1193 10th Street Suite
> Monterey, CA (California) 93940
> Monterey County / Region
> United States
> Phone (831) 641-9700
> Toll Free Phone (800) 960-7104
> Fax(408) 228-8018
>
> Former Director of School of Aviation Safety Kenneth P. Neubauer Technical Director, Aerospace Safety Futron Corporation
> 4410 E. Claiborne Sq., Suite 334
> Hampton, VA 2366
> Office: (800) 807-4927, x7317
> Mobile: (757) 293-8438
> http://www.futron.com/safety_n_risk.xml
>
>
> Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend.
>
> V/r
> Caveman
>
> -----Original Message-----
> From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 1:31 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Cc: ejhagan@sbcglobal.net
> Subject: Safety Symposium
>
> Caveman,
>
>
>
> How would you like to come to San Francisco 7-8 May and be on a panel at my first Safety Symposium to speak on climate and culture as it effects safety. The Audience would be the presidents, CEO's, and board of directors of the gas companies in California and the Californian Public Utilities Commission Commissioners. About 100 people.
>
>
>
> Who else would you recommend be on this panel? We have Capt Sullenberger as a quest speaker.
>
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>
> We will pay your freight.
>
>
>
> Separate item: Where can I send my people to good accident investigation training and where is the format for an accident investigation not the JAG manual investigation, but mishap investigation? I am trying to establish a two track investigation process: Safety investigation with privileged information and a separate punitive investigation for responsibility.

>
>
>
> Let me know what you think and I hope to see you in May.
>
>
>
> Semper Fi,
>
> BG H
>
>
>
> Brigadier General (CA) Emory J. Hagan, III
>
> Director,
>
> Safety and Enforcement Division
>
> California Public Utilities Commission
>
> 505 Van Ness Avenue
>
> San Francisco, CA 94102
>
> (916) 267-7201
>
> ejh@cpuc.ca.gov
>
> My mission: "No one dies on my watch!"
>
> "No better friend - No worse enemy!"
>
>
>
> Please Note: Effective 1 Jan 2013, The Consumer and Protection Division (CPSD) title is now the Safety and Enforcement Division (SED). Please make the necessary changes.
>
>
>
>
>

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 6:28 PM
To: rfiglock@advancedsurveydesign.com
Cc: emory.hagan@cpuc.ca.gov; Goelz, Peter (pgoelz@oneillandassoc.com) (pgoelz@oneillandassoc.com); Yura, Jane; Doll, Laura
Subject: FW: CPUC Natural Gas Safety Symposium Invitation and Agenda
Attachments: CPUCSafetySymposium.pdf

Bob

I'm following up on your previous communications with General Jack Hagan about the upcoming CPUC Safety Symposium May 7 & 8 in San Francisco. I hope you received the invitation (below and attached) last week from the CPUC, and I hope you have had an opportunity to register on-line. There is a link in the attachment to this email. As everything is paperless for this event, we really need the digital registration list for an accurate headcount.

The combined gas utilities will be paying your expenses (PG&E, Southern California Gas, and Southwest Gas Corp) and PG&E will coordinate the payment. It is easiest for us if you make your own arrangements: air (which I assume you do not need), hotel, etc. Keep receipts and then submit them via invoice afterward, through me, and we will get you reimbursed.

You may stay anywhere you like. The Marine's Memorial Club has some rooms available, and that might be a good location for you as the Tuesday night dinner is there and it's conveniently located. Just contact them directly at 1.800.562.7463, or at www.marineclub.com. We'll be paying for the Tuesday night dinner directly, but there is a cash bar beforehand. All other meals will be on your own, and we will reimburse you for reasonable charges (which I have no doubt you are used to!)

Peter Goelz, who's copied on this email, will be in touch with you about the panel format and questions to focus the discussion. The plan for your panel is that Alaska Air will open the discussion with about a 20 minute presentation of their transformation, and then panelists will speak for about 10 minutes each before we open it to questions.

Again, we look forward to your participation.

Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 10:32 AM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

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STATE OF CALIFORNIA — EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**

3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety**
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*
	Robert C. Figlock, *President, Advanced Survey Design, LLC*
	Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*
	Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner**
	Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response**
	Moderator: TBD
	Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*
	Joanne Hayes-White, *Chief, San Francisco Fire Department*
	Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*
	Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**
	Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*
	Commissioner Mike Florio, *California Public Utilities Commission*
	Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*
	Chris Johns, President, *Pacific Gas and Electric Company*
	Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks**
	President Michael R. Peevey, *California Public Utilities Commission*
	Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

CPUC03494

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 10, 2013 8:09 PM
To: Pete, Aaron (aaron.pete@cpuc.ca.gov)
Subject: Meeting with Gen Hagan week of April 21

Aaron
I'd like a meeting with General Hagan during the week of April 21. I understand that's when he returns to SF.
The purpose is to go over the safety symposium agenda and details.
Can you find an hour or 1/12 hours to set aside? We don't have much time before May 7&8.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 6:54 AM
To: terrie.prosper@cpuc.ca.gov
Subject: Fw: Travel to SF

Could you shoot, er, send Bridges an invite?
Thanks!

----- Original Message -----
From: Bridges, Jody G CAPT NASC, N3E [mailto:jody.g.bridges@navy.mil]
Sent: Thursday, April 11, 2013 06:05 AM
To: Doll, Laura
Cc: emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>; Yura, Jane
Subject: RE: Travel to SF

Laura,
Thanks for the email. I haven't received the email invitation as of yet.

FYSA, Based on Joint Ethics Regulations (JER), if a non-federal entity is paying for my travel I need approval through my travel approving authority. Have asked the Office of General Counsel for legal recommendation to ensure I am in compliance with the JER. Should not be an issue but they have not yet gotten back to me.

Look forward to the conference. Thank again..
R/
Jody

CAPT Jody "Caveman" Bridges
Director, School of Aviation Safety
DSN: 922-5134
COM: 850-452-5134
Cell: 850-512-6622

-----Original Message-----
From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 10, 2013 4:36 PM
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Cc: emory.hagan@cpuc.ca.gov; Yura, Jane; Doll, Laura
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Looking forward to meeting you in May!

Regards

Laura Doll

Laura Doll

Director, Regulatory Relations

lrdd@pge.com <mailto:lrdd@pge.com>

office: 415.973.8663

mobile: 415.828.3739

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Sent: Wednesday, April 10, 2013 4:17 AM
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Subject: FW: Safety Symposium

fyi

Brigadier General (CA) Emory J. Hagan, III

Director

Safety and Enforcement Division

California Public Utilities Commission

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San Francisco, CA 94102

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"No one dies on my watch!"

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Director, Safety & Enforcement Di vision California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

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> Personally, I do not need per diem, I request that only transportation, and lodging (will have to be within govt travel rates) be paid.
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> Thanks,
> V/r
> Caveman
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> From: Bridges, Jody G CAPT NASC, N3E
> Sent: Monday, March 04, 2013 3:17 PM
> To: 'Hagan, Jack (Brigadier General - CA)'
> Subject: RE: Safety Symposium
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> General,
> Here are some investigations training venues:
> The venues we are most familiar with are:
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> http://www.afsec.af.mil/organizations/education/amic.asp
> <http://www.afsec.af.mil/organizations/education/amic.asp>
> -Army Accident Investigation and Analysis Course
> https://safety.army.mil/training/AVIATIONSAFETYOFFICERTRAINING/Acciden
> tInvestigationandAnalysisCourse/tabid/2345/Default.aspx
> <https://safety.army.mil/training/AVIATIONSAFETYOFFICERTRAINING/Accide
> ntInvestigationandAnalysisCourse/tabid/2345/Default.aspx>
> -NTSB Training Center
> http://www.ntsb.gov/trainingcenter/CourseInfo/sched_courses_2013.html
> <http://www.ntsb.gov/trainingcenter/CourseInfo/sched_courses_2013.html
> > -Southern California Safety Institute

> http://www.scsi-inc.com/course-catalog.php
> <http://www.scsi-inc.com/course-catalog.php>
> -USC Viterbi http://viterbi.usc.edu/aviation/courses/
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>
> Our investigator instructor thinks SCSI had the best curriculum.
>
> OBTW: Talked to Ken Cameron about the Symposium and he would be interested in being on the panel....
> V/r
> Caveman
>
> -----Original Message-----
> From: Hagan, Jack (Brigadier General - CA)
> [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 4:11 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Subject: RE: Safety Symposium
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> Thanks. See you in SF
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> Brigadier General (CA) Emory J. Hagan, III
> (916) 267-7201 Cell
> ejh@cpuc.ca.gov
>
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> I have a couple recommendations for your panel, 2 former Directors of the School now out in the civilian world leading some commercial safety efforts, Robert " Cosmo" Conway at Disney and Ken "Nubs" Neubauer at Futron Co. Also, just met Col Ken Cameron, USMC (ret), like you, a Platoon leader in Vietnam, ended up as a Space Shuttle Commander for NASA, and then was NASA's Deputy Director of Engineering and Safety. He lives in Houston, not sure if he would be interested butI think he would be great for your panel. Finally, Doc Figlock who runs the Naval Aviation's, Climate Surveys for the CO's, he is right down the road at Monterrey.
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> Pulling the string on investigation training out there. Will send when I have all the info, we have a couple places we use.
>
> Below is contact info for potential panel members:
>
> Former Director of School of Aviation Safety Robert Conway Manager of
> Quality Engineering at The Walt Disney Company Aerospace Safety
> Advisory Panel at NASA Adjunct Instructor at Embry-Riddle Aeronautical
> University All I have is his email...Bob.E.Conway@disney.com
>
> Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
> BIO:
> http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
> Mobile: 832-289-4274 or 850-525-8940
> Email: kdcameron37@aol.com
>
> Robert C. Figlock , President Advanced Survey Design - they do CSA/MCAS for the USN and USMC.
> 1193 10th Street Suite
> Monterey, CA (California) 93940
> Monterey County / Region
> United States
> Phone (831) 641-9700
> Toll Free Phone (800) 960-7104
> Fax(408) 228-8018
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> Former Director of School of Aviation Safety Kenneth P. Neubauer
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> Hampton, VA 2366
> Office: (800) 807-4927, x7317
> Mobile: (757) 293-8438
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> Finally, OBTW: USMC is looking at piloting our course for a 6 day USMC Ground Safety Officers course for PCO's of ground units. Thanks for a copy of your brief. Attached is an interesting article on safety culture if you would like a good read over the weekend.
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> [mailto:emory.hagan@cpuc.ca.gov]
> Sent: Friday, March 01, 2013 1:31 PM
> To: Bridges, Jody G CAPT NASC, N3E
> Cc: ejhagan@sbcglobal.net
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> Semper Fi,
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> BG H
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> Brigadier General (CA) Emory J. Hagan, III
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> Director,
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> Safety and Enforcement Division
>
> California Public Utilities Commission
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> 505 Van Ness Avenue
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> San Francisco, CA 94102
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> My mission: "No one dies on my watch!"
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Harris, Frederick

From: Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Thursday, April 11, 2013 10:24 AM
To: Doll, Laura
Subject: RE: Meeting with Gen Hagan week of April 21

Hi Laura, what about 9:30 am on Tuesday, April 23rd?

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 10, 2013 8:09 PM
To: Pete, Aaron
Subject: Meeting with Gen Hagan week of April 21

Aaron
I'd like a meeting with General Hagan during the week of April 21. I understand that's when he returns to SF.
The purpose is to go over the safety symposium agenda and details.
Can you find an hour or 1/12 hours to set aside? We don't have much time before May 7&8.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 11, 2013 12:02 PM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda
Attachments: CPUCSafetySymposium.pdf

Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook I Twitter I www.cpuc.ca.gov

STATE OF CALIFORNIA — EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

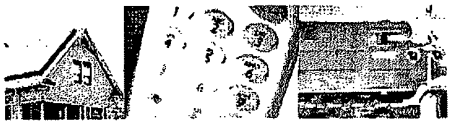
This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission



California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

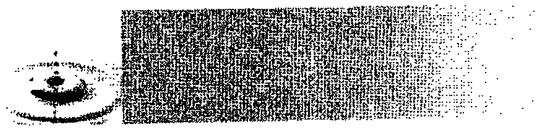
Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**



3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety**
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*
	Robert C. Figlock, *President, Advanced Survey Design, LLC*
	Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*
	Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner**
	Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response**
	Moderator: TBD
	Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*
	Joanne Hayes-White, *Chief, San Francisco Fire Department*
	Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*
	Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**
	Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*
	Commissioner Mike Florio, *California Public Utilities Commission*
	Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*
	Chris Johns, President, *Pacific Gas and Electric Company*
	Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks**
	President Michael R. Peevey, *California Public Utilities Commission*
	Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 11, 2013 12:03 PM
To: Doll, Laura
Subject: RE: Travel to SF

Just bcc'd you on the invite.

From: Doll, Laura [LRDD@pge.com]
Sent: Thursday, April 11, 2013 6:53 AM
To: Prosper, Terrie D.
Subject: Fw: Travel to SF

Could you shoot, er, send Bridges an invite?
Thanks!

----- Original Message -----
From: Bridges, Jody G CAPT NASC, N3E [mailto:jody.g.bridges@navy.mil]
Sent: Thursday, April 11, 2013 06:05 AM
To: Doll, Laura
Cc: emory.hagan@cpuc.ca.gov <emory.hagan@cpuc.ca.gov>; Yura, Jane
Subject: RE: Travel to SF

Laura,
Thanks for the email. I haven't received the email invitation as of yet.

FYSA, Based on Joint Ethics Regulations (JER), if a non-federal entity is paying for my travel I need approval through my travel approving authority. Have asked the Office of General Counsel for legal recommendation to ensure I am in compliance with the JER. Should not be an issue but they have not yet gotten back to me.

Look forward to the conference. Thank again..
R/
Jody

CAPT Jody "Caveman" Bridges
Director, School of Aviation Safety
DSN: 922-5134
COM: 850-452-5134
Cell: 850-512-6622

-----Original Message-----
From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 10, 2013 4:36 PM
To: Bridges, Jody G CAPT NASC, N3E
Cc: emory.hagan@cpuc.ca.gov; Yura, Jane; Doll, Laura

Subject: Travel to SF

Captain Bridges

I just left you a voicemail but want to follow up about your travel to San Francisco for the May 7-8 symposium.

The combined gas utilities will be paying your expenses (PG&E, Southern California Gas, and Southwest Gas Corp) and PG&E will coordinate the payment. It is easiest for us if you make your own arrangements: air, hotel, etc. Keep receipts and then submit them afterward, through me, and we will get you reimbursed.

You should have received the email invitation sent out by the CPUC last seek. You need to register on-line so we have a detailed headcount.

The Marine's Memorial Club has some rooms available, and that might be a good location for you as the Tuesday night dinner is there and it's conveniently located and I assume they have a government rate. Just contact them directly at 1.800.562.7463, or at www.marineclub.com. We'll be paying for the Tuesday night dinner directly, but there is a cash bar beforehand. All other meals will be on your own, and we will reimburse you for reasonable charges (which I have no doubt you are used to!)

Hope this clears things up.

Let me know if you need anything further on the travel side of things. Someone, probably Peter Goelz, will be contacting you to talk about the panel format and provide some questions to consider. Basically, you'll have about 10 minutes to make some brief remarks following Ted Kemp from Alaska Air. Then we'll open it up to questions.

Looking forward to meeting you in May!

Regards

Laura Doll

Laura Doll

Director, Regulatory Relations

lrdd@pge.com <mailto:lrdd@pge.com>

office: 415.973.8663

mobile: 415.828.3739

From: Hagan, Jack (Brigadier General - CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 4:17 AM
To: Doll, Laura
Subject: FW: Safety Symposium

fyi

Brigadier General (CA) Emory J. Hagan, III

Director

Safety and Enforcement Division

California Public Utilities Commission

505 Van Ness Avenue

San Francisco, CA 94102

(916) 267-7201 Mobile

ejh@cpuc.ca.gov

"No one dies on my watch!"

"No better friend - no worse enemy!"

Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

From: Hagan, Jack (Brigadier General - CA)
Sent: Monday, April 08, 2013 13:02
To: Bridges, Jody G CAPT NASC, N3E
Subject: Re: Safety Symposium

Jody rout
Lop
Amswers:

1, PG&E is paying.

2. Travel, lodging, and meals (either provided or reimbursed when you turn in a receipt.

Luara Doll from PG&E can provide more details. Hopes this answers all your question. z
Brigadier General (CA) Jack Hagan
Director, Safety & Enforcement Di vision California Public Utilities Commission
(916) 267-7201 Cell
Sent from my iPhone

On Apr 8, 2013, at 12:20, "Bridges, Jody G CAPT NASC, N3E" <jody.g.bridges@navy.mil> wrote:

> General,
> Since a non-federal entity is paying for my travel IAW the JER I have
> to get approval from the travel approving authority. They have a
> couple questions;
>
>
> 1) Exactly what entity would be paying for the travel - The California Public Utilities Commission, or would the travel actually be paid by another conference sponsor?
>
> I assume the CPUC is paying...true?
>
> 2) What is included in this offer? In addition to your transportation, will meals and lodging also be covered by the sponsor?
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> University All I have is his email...Bob.E.Conway@disney.com
>
> Ken Cameron, COL, USMC Ret, Platoon Leader, Naval Aviator, Astronaut, former Deputy Director NASA Engineering and Safety Center, also School of Aviation Grad from ASO and ASC course.
> BIO:
> http://www.jsc.nasa.gov/Bios/htmlbios/cameron.html
> Mobile: 832-289-4274 or 850-525-8940
> Email: kdcameron37@aol.com
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> 1193 10th Street Suite
> Monterey, CA (California) 93940
> Monterey County / Region
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> Brigadier General (CA) Emory J. Hagan, III
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 2:15 PM
To: aaron.pete@cpuc.ca.gov
Subject: Re: Meeting with Gen Hagan week of April 21

Yes please!!

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Thursday, April 11, 2013 10:24 AM
To: Doll, Laura
Subject: RE: Meeting with Gen Hagan week of April 21

Hi Laura, what about 9:30 am on Tuesday, April 23nd?

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 10, 2013 8:09 PM
To: Pete, Aaron
Subject: Meeting with Gen Hagan week of April 21

Aaron
I'd like a meeting with General Hagan during the week of April 21. I understand that's when he returns to SF.
The purpose is to go over the safety symposium agenda and details.
Can you find an hour or 1/12 hours to set aside? We don't have much time before May 7&8.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 2:44 PM
To: Pete, Aaron
Subject: RE: Meeting with Gen Hagan week of April 21

Aaron
I know you are moving!
It's quite a process, and I hope yours goes well.

Turns out I need two meetings with General Hagan that week.
So I'd like to give Tom Bottorff the 9:30 am slot on April 23, and then some other time for my symposium discussion. Even dinner on Monday the 22nd would work for me – I know his days get filled up.

When you come up for air, let me know.
In the meantime, don't overexert in the move!

Thanks
Laura

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Thursday, April 11, 2013 10:24 AM
To: Doll, Laura
Subject: RE: Meeting with Gen Hagan week of April 21

Hi Laura, what about 9:30 am on Tuesday, April 23nd?

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Doll, Laura [mailto:LRDD@pge.com]
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 3:37 PM
To: emory.hagan@cpuc.ca.gov
Subject: Ashford

When we tried to email Elizabeth we got the message below.
Do you have a phone number for her? Do you know what her new position is?

Thanks
Laura

From: Bob Chipkevich [mailto:bob.chipkevich@gmail.com]
Sent: Thursday, April 11, 2013 1:21 PM
To: Doll, Laura
Subject: Fwd: Out of Office: Natural Gas Safety Symposium

Below is the email message and new contact email address.
Bob

---------- Forwarded message ----------
From: **Elizabeth Ashford** <Elizabeth.Ashford@gov.ca.gov>
Date: Thu, Apr 11, 2013 at 9:25 AM
Subject: Out of Office: Natural Gas Safety Symposium
To: Bob Chipkevich <bob.chipkevich@gmail.com>

As of April 5, I am no longer with the Governor's Office. I can be contacted at eashford@gmail.com.

For assistance, please email govpressoffice@gov.ca.gov or call 916-445-4571. Governor Brown's press secretary can be contacted at evan.westrup@gov.ca.gov.

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 4:30 PM
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Subject: FW: CPUC Safety Symposium Panel
Attachments: CPUC_Symposium_Panel.docx

Just want you to have a copy of what Bill Scott sent to your panel!
And I really hope you are not reading emails now.

From: wds2texas@aol.com [mailto:wds2texas@aol.com]
Sent: Thursday, April 11, 2013 4:29 PM
To: mf1@cpuc.ca.gov
Cc: skh@cpuc.ca.gov
Subject: CPUC Safety Symposium Panel

Dear Commissioner Florio;

My name is Bill Scott and I work with Hall and Associates, a group consulting to PG&E on Safety Culture. A portion of this responsibility includes supporting the effort to succcessfully complete the May 7/8th CPUC Safety Symposium which is entitled "Forging a New Vision of Safety in California".

I have attached some detailed information to assist your preparation as a panelist.

If I may be of any assistance to you or your staff as you prepare please feel fee to contact me. I have included phone and email information in the attachment.

Thank you and I look forward to meeting you in San Francisco.

Bill Scott

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April 11th, 2013

Mr. Mike Florio
Commissioner
California Public Utilities Commission

Dear Commissioner Florio;

Thank you for agreeing to participate on a panel at the First Natural Gas Safety Symposium sponsored by the California Public Utilities Commission scheduled for May 7th and 8th in San Francisco. The Title for the Symposium is "Forging a New Vision of Safety in California. You should have received an invitation from General Hagan at the PUC through an email dated April 4th, 2013. Please ensure that you or your staff registers for the event so that we have an accurate headcount of attendees. In addition, you are invited to attend the dinner on May 7th at 7PM, following a reception beginning at 6PM at the Marines' Memorial Club and Hotel located at 609 Sutter Street in San Francisco.

Your panel "Safety Leadership-What does the Commission need from Industry and What does Industry need from the Commission in order to improve Public Safety in the State of California"? is scheduled for May 8th beginning at 10:15AM in the Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Avenue in San Francisco. The panel will conclude at 12PM. The panel's moderator will be Paul Clanon, Executive Director of the CPUC.

The other members of the Panel beside you include;

. Dennis Arriola, President and COO, Southern California Gas
. Paul J. Roberti, Commissioner, The Rhode Island Public Utilities Commission
. Chris Johns, President, Pacific Gas and Electric Company

Each panelist, in turn, will be provided 10-15 minutes to individually address the audience with the balance of the time being allowed for questions.

As an aid to assist you in your preparation we have prepared some suggested topics for discussion. You are not limited to these topics but for the sake of consistency and in the interest of promoting follow on questions we would ask each of you to address the topics below with as much specificity as possible. The purpose of the Symposium is to further open a dialog between the Regulated Gas Utilities and the Regulator(CPUC) about issues and concerns that when positively addressed can result in improved communications, greater efficiency and understanding between the parties- ultimately to benefit the Citizens of California.

Suggested topics for this panel;

. How specifically can the Commission and the utilities improve their working relationships in the interest of public safety for gas operations in California?

. From your perspective how can the companies do a better job of meeting regulator needs and what are the barriers to doing so?

. From your perspective how can the Commission and its staff do a better job of communicating what they need, why and by when to the companies?

. From your perspective, what constitutes "safe enough" as it relates to the public safety performance of a gas utility?

. Is public safety really a responsibility that is shared by both the regulated companies and the regulators?

. How can the public safety performance of the gas utilities in California be measured and communicated effectively to the public in a way that crystalizes their understanding of the risks inherent to operations and the company's performance to mitigate those risks?

The CPUC would like to publish a brief bio/photo of you on their website for the conference. If you could send these items to me in the next couple of business days I will forward to them for inclusion. Finally, I just want to let you know that Paul Clanon, Executive Director of the CPUC will reach out to you for panel coordination sometime prior to the Symposium.

I will look forward to seeing each of you at the Symposium. Should you or your staff have questions or desire more background please feel free to call me at 404-354-2777 or email me at wdsatlanta@aol.com and I will be glad to help or I will direct you to the right person who can.

Thank you again for your participation and I look forward to meeting you.

Bill Scott

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 4:38 PM
To: rfiglock@AdvancedSurveyDesign.com
Cc: emory.hagan@cpuc.ca.gov; Goelz, Peter (pgoelz@oneillandassoc.com) (pgoelz@oneillandassoc.com); Yura, Jane
Subject: RE: FW: CPUC Natural Gas Safety Symposium Invitation and Agenda

Great – thanks Bob. Your panel facilitator will get back to you shortly with more details.
Laura

From: Robert Figlock [mailto:RFiglock@AdvancedSurveyDesign.com]
Sent: Thursday, April 11, 2013 8:47 AM
To: Doll, Laura
Cc: emory.hagan@cpuc.ca.gov; Goelz, Peter (pgoelz@oneillandassoc.com) (pgoelz@oneillandassoc.com); Yura, Jane; rfiglock@AdvancedSurveyDesign.com
Subject: Re: FW: CPUC Natural Gas Safety Symposium Invitation and Agenda

Laura,

I just registered for the symposium and made my reservation at the Marines Memorial Hotel for that Tuesday night. I will be driving from Monterey, CA.

Thank you for your hospitality. I am looking forward to the symposium.

V/r,

Bob Figlock

R. C. Figlock, Ph.D.
Advanced Survey Design, LLC
Monterey, CA 93940
(800) 960-7104
(831) 641-9700
(831) 886-3620 (FAX)

On 4/10/2013 6:28 PM, Doll, Laura wrote:
Bob

I'm following up on your previous communications with General Jack Hagan about the upcoming CPUC Safety Symposium May 7 & 8 in San Francisco. I hope you received the invitation (below and attached) last week from the CPUC, and I hope you have had an opportunity to register on-line. There is a link in the attachment to this email. As everything is paperless for this event, we really need the digital registration list for an accurate headcount.

The combined gas utilities will be paying your expenses (PG&E, Southern California Gas, and Southwest Gas Corp) and PG&E will coordinate the payment. It is easiest for us if you make your own arrangements: air (which I assume you do not need), hotel, etc. Keep receipts and then submit them via invoice afterward, through me, and we will get you reimbursed.

You may stay anywhere you like. The Marine's Memorial Club has some rooms available, and that might be a good location for you as the Tuesday night dinner is there and it's conveniently located. Just contact them directly at

1.800.562.7463, or at www.marineclub.com. We'll be paying for the Tuesday night dinner directly, but there is a cash bar beforehand. All other meals will be on your own, and we will reimburse you for reasonable charges (which I have no doubt you are used to!)

Peter Goelz, who's copied on this email, will be in touch with you about the panel format and questions to focus the discussion. The plan for your panel is that Alaska Air will open the discussion with about a 20 minute presentation of their transformation, and then panelists will speak for about 10 minutes each before we open it to questions.

Again, we look forward to your participation.

Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 10, 2013 10:32 AM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 7:32 PM
To: emory.hagan@cpuc.ca.gov
Subject: Moderator for first panel

Hi there –
I left you a voice message because I wanted to talk to you about the first panel moderator.

Paul seemed to have some concerns about Leno, and I have been concerned as well because I don't know that he will "get" what this symposium is about. I really think it's hard for an elected official to be in the role of trying to keep on message and draw things out of panelists he doesn't know.
There are a lot of people on that first panel, and it needs to move pretty efficiently. The Alaska Air presentation should be at least 20 minutes, and then the four panelists will have 10-15 and then questions.
Anyway, Jim Hall (former NTSB Chair) could do a good job with the panel. So could Paul Levy.
I think we need to keep you as the emcee for the whole symposium rather than have you trying to run a panel.
So give it some thought and let me know?

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 7:52 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: Changes for agenda

I am wondering if you could make 3 changes to the agenda?

1. Title of panel 3. For reasons that would only annoy and bore you, the symposium team has made a change in the title of the 3rd panel. This question was posed by Gen Hagan and so it has become the title.

Panel 3: Safety Leadership: What does the Commission need from Industry and what does Industry need from the Commission to improve public safety in California?

2. Promote Nick Stavropoulous to EXECUTIVE Vice President.
3. Italicize Chris Johns' PRESIDENT.

I am going to have some tweaky changes in the TIMES as well, but I think I need to wait at least over the weekend before I ask for those.

And then could we talk about what we might be able to print out to hand to people on May 7 & 8? I'm thinking the agenda and the speaker bios all in one doc? Is that even possible do you think?

And how is your ARM????

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 11, 2013 10:27 PM
To: Doll, Laura
Subject: RE: Changes for agenda

That panel name just flows right off the tongue...

I'll make the changes and send you a new pdf.

I think we should definitely have the agenda and bios as a handout and preferable in one document. Ideally you'd have the bios to me by May 1st.

Arm is MUCH better. Thanks for asking!

Terrie

From: Doll, Laura [LRDD@pge.com]
Sent: Thursday, April 11, 2013 7:51 PM
To: Prosper, Terrie D.
Subject: Changes for agenda

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 11, 2013 11:34 PM
To: terrie.prosper@cpuc.ca.gov
Subject: Re: Changes for agenda

Glad to hear you'll get to keep the arm...
I should have bios next week. I am cracking the whip. And trying to convince Jack not to have leno as a moderator. I just don't think it will work and its a lot of trouble and we have alternatives. I can't believe how much time this is consuming! But you can.

You totally make this bearable!!!

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Thursday, April 11, 2013 10:27 PM
To: Doll, Laura
Subject: RE: Changes for agenda

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Harris, Frederick

From: Stanford, Robert <robert.stanford@cpuc.ca.gov>
Sent: Friday, April 12, 2013 10:47 AM
To: Doll, Laura; robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Hi Laura:

Unfortunately I do not have a list of rules for the Marks auditorium at 455 Golden Gate Avenue. I recommend contacting David Glass.

In regards to tables, serving food and the adjacent area, I do not know about this either. My involvement in the Marks auditorium has been strictly technical.

Please ask David Glass about the projection screen, projector, etc. In the past the auditorium had a large drop down screen, a projector and I don't recall the arrangement with the microphones.

If I can be of further assistance please contact me at your earliest convenience.

Sincerely Yours,
Robert Stanford

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 10:30 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building.
Apparently there is a long list of rules surrounding use of the auditorium.
Do one of you have that list? I'm especially interested in rules around providing coffee.
There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium - all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!
Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:
Here's my contact, it's been quite some time since my last contact:

[redacted]
415-865-7848, [redacted] 415-865-4205, david.glass@jud.ca.gov

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 5:27 PM
To: Phason, Douglas
Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
Subject: Fwd: Re: May 7 sypmosium

Douglas
Do you have a contact at the Johnson building? Please see Laura Doll's message below.
Robert

---------- Forwarded message ----------
From: "Doll, Laura" <LRDD@pge.com>
Date: Apr 9, 2013 5:04 PM
Subject: Re: May 7 sypmosium
To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
To: Doll, Laura; Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>

Subject: RE: May 7 sypmosium

Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 10:50 AM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov); elizaveta.malashenko@cpuc.ca.gov
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Good morning friends –
SOMEBODY at the CPUC reserved this place in the CPUC's name and presumably has paper, right?

Let me know. Thanks!
Laura

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Friday, April 12, 2013 10:47 AM
To: Doll, Laura; robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
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Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

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415-865-7848, Fax 415-865-4205, david.glass@jud.ca.gov

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Sent: Wednesday, April 10, 2013 5:27 PM
To: Phason, Douglas
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Subject: Fwd: Re: May 7 sypmosium

Douglas
Do you have a contact at the Johnson building? Please see Laura Doll's message below.
Robert

---------- Forwarded message ----------
From: "Doll, Laura" <LRDD@pge.com>
Date: Apr 9, 2013 5:04 PM
Subject: Re: May 7 sypmosium
To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D."

<terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
To: Doll, Laura; Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>
Subject: RE: May 7 sypmosium

Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 11:45 AM
To: Yura, Jane; Goelz, Peter (pgoelz@oneillandassoc.com) (pgoelz@oneillandassoc.com); wds2texas@aol.com; Bob Chipkevich (bob.chipkevich@gmail.com); Jim Hall (jhall@hallassoc.net); elizaveta.malashenko@cpuc.ca.gov
Cc: Doll, Laura
Subject: Some background docs for today's call
Attachments: CPUC Safety Symposium Lists 041213.xlsx; Notes on Safety Symposium Discussion Themes041113.docx

An updated Excel file with speaker info, a run at a revised agenda – those are in the first two tabs at the bottom of the file when you open it.
And also attached is a document I compiled so I could walk through the two days and have all our panel issues/questions in one place. It's a work in progress obviously.

Peter just confirmed some of his information and is reaching out to his panel so we have real and measurable progress this week!

Talk soon.
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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May 7-8 CPUC Safety Symposium

Forging a New Vision of Safety in California

Day 1: May 7, Tuesday		Notes
1:30	General Hagan Opens, Welcome	Video message: Gov. Brown
1:45	Chairman Hersman gives Video Keynote	Jim Hall introduces Chairman Hersman and President Peevey
2:15	President Peevey gives CA opening perspective	
2:45 - 3:00	Break	coffee/refreshments
3:00	Panel 1: Building a Climate and Culture of Safety	Moderator: TBD Alaska Air 20 min and 15 min each for Bridges, Figlock, Levy and Stavropoulos
5:00	General Hagan concludes Tuesday session	
6:00	Social	
7:00	Dinner	
7:30	Speaker: Captain Sully Sullenberger	Jim Hall or other Intro Captain Sullenberger

Approx Count	
CPUC	20
SouthW	13
SEMPRA	19
PGE	29
Industry	4
Govt, Others	5
	90

Day 2: May 8, Wednesday		
8:30	General Hagan Opens, Welcome	
8:35	Panel 2: Effectively Managing Pipeline Emergency Response	Moderator: Elizabeth Ashford Intro Panel; 15 min each; Q/A
10:00	Break	coffee/refreshments
10:15	Panel 3: Safety Leadership: What does the Commission need from Industry and what does Industry need from the Commission to improve public safety in California?	Moderator: Paul Clanon Intro Panel; 15 min each; Q/A
12:00	Concluding remarks by President Peevey and General Hagan	
12:30	Adjourn	

Notes on Safety Symposium Discussion Themes

4.11.13 rough draft

Day 1

Hagan welcome

- Excited about the first of these; emcee
- Intent of "Forging a New Vision of Safety in CA"
- Structure of program over two days
- Governor video?

Hersman video

- Jim Hall introduces her
- National safety perspective from NTSB: pipelines are critical
- She is pleased about CA's approach to safety as a *shared responsibility*

Peevey remarks

- Hagan introduces?
- Personal experience with energy crisis etc., but now safety has moved to the forefront of regulation in CA
- Challenges: limited CPUC resources, utility resources; low consumer confidence, high fear; Commission must balance new approach to safety with affordability
- But we have to make it work and can only do so together; agrees with Hersman

Panel 1: Building a Climate and Culture of Safety

- Moderator: TBD [Sen Mark Leno? Jim Hall?]
- Ted Kemp, Alaska Airlines
- Captain Jody Bridges, USN, Director, School of Aviation Safety, Pensacola, FL
- Robert C. Figlock, President, Advanced Survey Design, LLC
- Paul Levy, former Chair of the MA Dept of Public Utilities and former CEO of Beth Israel Deaconess Medical Center
- Nick Stavropoulos, Executive VP, Gas Operations, PG&E

Panel 1 Questions

- What is climate?
- What is corporate culture?

- How do climate and culture affect safety in an organization?
- Who sets the climate and culture in the organization?
- Who is the "real" Safety Officer in an organization?
- How does a two-track investigation system work? One investigation is only about safety and is privileged information that is walled off from the punitive investigation.

Dinner

Sullenberger introduction?

Sullenberger topic – "Miracle on the Hudson" [Safety is No Miracle?]

Day 2

Hagan welcome and introduction of Elizabeth Ashford

Panel 2: Effectively Managing Pipeline Emergency Response

- Moderator: Elizabeth Ashford, former Deputy Press Secretary for Governor Jerry Brown
- Jerry Schmitz, Vice President, Engineering, SouthWest Gas
- Joanne Hayes-White, Chief, San Francisco Fire Department
- Tim Butters, Deputy Administrator, PHMSA
- Carl Weimer, Executive Director, Pipeline Safety Trust

Panel 2 Questions/Topics

- How do you handle the first press conference of an incident in the area where there has been a death and/or serious injury?

- Elements that make a response to a gas pipeline emergency successful.
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.
- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.
- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.

- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any strike or damage to a pipeline that may not result in an immediate release.

Panel 3: Safety Leadership: What does the Commission need from industry and what does industry need from the Commission to improve public safety in California?

- How specifically can the Commission and the utilities improve their working relationships in the interest of public safety for gas operations in California?
- From your perspective how can the companies do a better job of meeting regulator needs and what are the barriers to doing so?
- From your perspective how can the Commission and its staff do a better job of communicating what they need, why and by when to the companies?
- From your perspective, what constitutes "safe enough" as it relates to the public safety performance of a gas utility?
- Is public safety really a responsibility that is shared by both the regulated companies and the regulators?
- How can the public safety performance of the gas utilities in California be measured and communicated effectively to the public in a way that crystalizes their understanding of the risks inherent to operations and the company's performance to mitigate those risks?

Concluding Remarks

Peevey (?)

Hagan

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 12:12 PM
To: ydw@cpuc.ca.gov
Subject: Could you call me?

Need to talk to you about Sen Leno and the safety symposium to see how far down the road we are on that. Potential substitute preference.
Thanks!
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Friday, April 12, 2013 1:18 PM
To: Sadler, Lynn
Cc: LRDD@pge.com
Subject: FW: Could you call me?

This message is for you.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 12:12 PM
To: Wilson, Yvonne D.
Subject: Could you call me?

Need to talk to you about Sen Leno and the safety symposium to see how far down the road we are on that. Potential substitute preference.
Thanks!
Laura

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 1:19 PM
To: Wilson, Yvonne D.
Subject: RE: Could you call me?

Thanks again Yvonne. Your email address is listed next to Lynn's name on the registration form for the symposium, just fyi.
Might want to get that changed?

From: Wilson, Yvonne D. [mailto:yvonne.wilson@cpuc.ca.gov]
Sent: Friday, April 12, 2013 1:18 PM
To: Sadler, Lynn
Cc: Doll, Laura
Subject: FW: Could you call me?

This message is for you.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 12:12 PM
To: Wilson, Yvonne D.
Subject: Could you call me?

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Harris, Frederick

From: Wilson, Yvonne D. <yvonne.wilson@cpuc.ca.gov>
Sent: Friday, April 12, 2013 1:22 PM
To: Doll, Laura
Subject: RE: Could you call me?

Thanks

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 1:19 PM
To: Wilson, Yvonne D.
Subject: RE: Could you call me?

Thanks again Yvonne. Your email address is listed next to Lynn's name on the registration form for the symposium, just fyi.
Might want to get that changed?

From: Wilson, Yvonne D. [mailto:yvonne.wilson@cpuc.ca.gov]
Sent: Friday, April 12, 2013 1:18 PM
To: Sadler, Lynn
Cc: Doll, Laura
Subject: FW: Could you call me?

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From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 12:12 PM
To: Wilson, Yvonne D.
Subject: Could you call me?

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 2:00 PM
To: Michelle Cooke (michelle.cooke@cpuc.ca.gov)
Subject: Johnson Building agreement?

Hi Michelle!
How are you??

Gorgeous day and I hope you are outside enjoying it.

But if you're working today, do you by any chance have the contract between the CPUC and the Johnson Building for the safety symposium on May 7-8?
I need to see the rules about providing coffee, arranging for AV stuff, etc.

Really missing you on yet another CPUC conference!! ☺

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 3:12 PM
To: Brown, Carol A. (carol.brown@cpuc.ca.gov)
Subject: Symposium prep?
Attachments: CPUCSafetySymposium.pdf

Carol
Do you want to get together or just have a phone call to talk about Mike's potential remarks at the Safety Symposium on May 7? I know that Hagan is out all next week. I'm attaching the agenda, and can walk you through how I think that part of the afternoon will work. Maybe 15 minutes would do it?

I can't recall when you are leaving but I want to be sure to make it happen before you do!

Also Mike needs to get registered (link in Hagan's letter) and indicate whether he will go to the dinner Tuesday night.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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STATE OF CALIFORNIA — EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

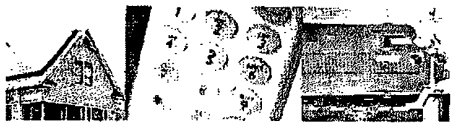
This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission



California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**

3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC* Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center* Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner** Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response** Moderator: TBD Jerry Schmitz, *Vice President, Engineering, SouthWest Gas* Joanne Hayes-White, *Chief, San Francisco Fire Department* Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration* Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?** Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission* Commissioner Mike Florio, *California Public Utilities Commission* Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission* Chris Johns, President, *Pacific Gas and Electric Company* Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks** President Michael R. Peevey, *California Public Utilities Commission* Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Sent: Friday, April 12, 2013 3:45 PM
To: Doll, Laura
Subject: RE: Johnson Building agreement?

What is the Johnson building?

Michelle

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 2:00 PM
To: Cooke, Michelle
Subject: Johnson Building agreement?

Hi Michelle!
How are you??

Gorgeous day and I hope you are outside enjoying it.

But if you're working today, do you by any chance have the contract between the CPUC and the Johnson Building for the safety symposium on May 7-8?
I need to see the rules about providing coffee, arranging for AV stuff, etc.

Really missing you on yet another CPUC conference!! ☺

Laura Doll
Director, Regulatory Relations
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mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 3:54 PM
To: michelle.cooke@cpuc.ca.gov
Subject: Re: Johnson Building agreement?

Ha! Hiriam johnson bldg, where the milton marks auditorium is. On golden gate.

From: Cooke, Michelle [mailto:michelle.cooke@cpuc.ca.gov]
Sent: Friday, April 12, 2013 03:44 PM
To: Doll, Laura
Subject: RE: Johnson Building agreement?

What is the Johnson building?

Michelle

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 2:00 PM
To: Cooke, Michelle
Subject: Johnson Building agreement?

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Harris, Frederick

From: Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Sent: Friday, April 12, 2013 3:58 PM
To: Doll, Laura
Subject: RE: Johnson Building agreement?

Oh. I doubt there is a contract for that, we just probably reserve the space with the Building Manager. I'm not sure who did that for Jack.
I will contact the Building Manager over there.

Michelle

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 3:54 PM
To: Cooke, Michelle
Subject: Re: Johnson Building agreement?

Ha! Hiriam johnson bldg, where the milton marks auditorium is. On golden gate.

From: Cooke, Michelle [mailto:michelle.cooke@cpuc.ca.gov]
Sent: Friday, April 12, 2013 03:44 PM
To: Doll, Laura
Subject: RE: Johnson Building agreement?

What is the Johnson building?

Michelle

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 2:00 PM
To: Cooke, Michelle
Subject: Johnson Building agreement?

Hi Michelle!
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 4:53 PM
To: Michelle Cooke (michelle.cooke@cpuc.ca.gov)
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Michelle
Here is a long email chain that led me to you – Liza Malashenko told me she thought you probably had arranged the building.
But there is reference here to David Glass. You may already know him and have his contact info, but if not:

[illegible]
415-865-7848, [illegible] 415-865-4205, david.glass@jud.ca.gov

I want to get these details nailed down by next Friday at the latest. Thanks Michelle!
Laura

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Friday, April 12, 2013 10:47 AM
To: Doll, Laura; robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Hi Laura:

Unfortunately I do not have a list of rules for the Marks auditorium at 455 Golden Gate Avenue. I recommend contacting David Glass.

In regards to tables, serving food and the adjacent area, I do not know about this either. My involvement in the Marks auditorium has been strictly technical.

Please ask David Glass about the projection screen, projector, etc. In the past the auditorium had a large drop down screen, a projector and I don't recall the arrangement with the microphones.

If I can be of further assistance please contact me at your earliest convenience.

Sincerely Yours,
Robert Stanford

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 10:30 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building.
Apparently there is a long list of rules surrounding use of the auditorium.
Do one of you have that list? I'm especially interested in rules around providing coffee.
There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium - all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!
Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:
Here's my contact, it's been quite some time since my last contact:

[redacted]
415-865-7848, Fax 415-865-4205, david.glass@jud.ca.gov

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 5:27 PM
To: Phason, Douglas
Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
Subject: Fwd: Re: May 7 sypmosium

Douglas

Do you have a contact at the Johnson building? Please see Laura Doll's message below.
Robert

---------- Forwarded message ----------
From: "Doll, Laura" <LRDD@pge.com>
Date: Apr 9, 2013 5:04 PM
Subject: Re: May 7 sypmosium
To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
To: Doll, Laura; Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>
Subject: RE: May 7 sypmosium

Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM

To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

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Harris, Frederick

From: Cooke, Michelle <michelle.cooke@cpuc.ca.gov>
Sent: Friday, April 12, 2013 5:02 PM
To: Doll, Laura
Subject: RE: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Nope, I was not involved at all. But will try to find out.

Michelle

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 4:53 PM
To: Cooke, Michelle
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Michelle
Here is a long email chain that led me to you – Liza Malashenko told me she thought you probably had arranged the building.
But there is reference here to David Glass. You may already know him and have his contact info, but if not:

415-865-7848 415-865-4205 david.glass@jud.ca.gov

I want to get these details nailed down by next Friday at the latest. Thanks Michelle!
Laura

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Friday, April 12, 2013 10:47 AM
To: Doll, Laura; robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Hi Laura:

Unfortunately I do not have a list of rules for the Marks auditorium at 455 Golden Gate Avenue. I recommend contacting David Glass.

In regards to tables, serving food and the adjacent area, I do not know about this either. My involvement in the Marks auditorium has been strictly technical.

Please ask David Glass about the projection screen, projector, etc. In the past the auditorium had a large drop down screen, a projector and I don't recall the arrangement with the microphones.

If I can be of further assistance please contact me at your earliest convenience.

Sincerely Yours,

Robert Stanford

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 10:30 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building.
Apparently there is a long list of rules surrounding use of the auditorium.
Do one of you have that list? I'm especially interested in rules around providing coffee.
There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium - all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!
Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:
Here's my contact, it's been quite some time since my last contact:

415-865-7848, 415-865-4205, david.glass@jud.ca.gov

From: robert stanford [mailto:robertcstanford@gmail.com]
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Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
Subject: Fwd: Re: May 7 sypmosium

Douglas
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---------- Forwarded message ----------
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Date: Apr 9, 2013 5:04 PM
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This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura

Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

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To: Prosper, Terrie D.
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 5:44 PM
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Subject: Call me re safety symposium when you come up from air

Specifically, I talked with both Hagan and Sadler today re panel 1 moderator and there are choices.

And Aloha.

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 5:46 PM
To: jody.g.bridges@navy.mil
Cc: emory.hagan@cpuc.ca.gov
Subject: Invitation letter?

Captain Bridges
Peter Goelz mentioned on our call today that you would like a letter that will help support your request to attend the safety symposium.
We want to make that happen asap, so would you mind giving me the information so I can try to facilitate it?

Thanks, and have a good weekend.
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 5:53 PM
To: emory.hagan@cpuc.ca.gov
Subject: Leno

I just talked with Lynn Sadler and she has confirmed that Sen Leno has NOT been asked specifically to moderate a panel. He was invited to the symposium only. Lynn did not have the panel details until today and she had not yet delivered a letter outlining his role. She does not see any problem in NOT asking Leno to moderate this panel.

Meanwhile, Susan Kennedy is available and willing if you want her. Paul returns Monday. Shall I ask him if he is ok with Kennedy?

Cheers, and have a good weekend.

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 12, 2013 6:35 PM
To: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: Don't know if this will be helpful
Attachments: Notes on Safety Symposium Discussion Themes041113.docx

But I had to put together a "flow" description for myself to try to picture the two days.
It will get added to, but it does have all the panel questions in once place, and some thoughts about what Mike and Hagan might say, etc.
I'm trying to meet with Carol Brown next week to make sure she is clear on Mike's role.

Less than 4 weeks. Oh my, I'll want to go into a bar and never come out on May 8, 2:00 pm.

Laura Doll
Director, Regulatory Relations
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Notes on Safety Symposium Discussion Themes

4.11.13 rough draft

Day 1

Hagan welcome

- Excited about the first of these; emcee
- Intent of "Forging a New Vision of Safety in CA"
- Structure of program over two days
- Governor video?

Hersman video

- Jim Hall introduces her
- National safety perspective from NTSB: pipelines are critical
- She is pleased about CA's approach to safety as a *shared responsibility*

Peevey remarks

- Hagan introduces?
- Personal experience with energy crisis etc., but now safety has moved to the forefront of regulation in CA
- Challenges: limited CPUC resources, utility resources; low consumer confidence, high fear; Commission must balance new approach to safety with affordability
- But we have to make it work and can only do so together; agrees with Hersman

Panel 1: Building a Climate and Culture of Safety

- Moderator: TBD [Sen Mark Leno? Jim Hall?]
- Ted Kemp, Alaska Airlines
- Captain Jody Bridges, USN, Director, School of Aviation Safety, Pensacola, FL
- Robert C. Figlock, President, Advanced Survey Design, LLC
- Paul Levy, former Chair of the MA Dept of Public Utilities and former CEO of Beth Israel Deaconess Medical Center
- Nick Stavropoulos, Executive VP, Gas Operations, PG&E

Panel 1 Questions

- What is climate?
- What is corporate culture?

- How do climate and culture affect safety in an organization?
- Who sets the climate and culture in the organization?
- Who is the "real" Safety Officer in an organization?
- How does a two-track investigation system work? One investigation is only about safety and is privileged information that is walled off from the punitive investigation.

Dinner

Sullenberger introduction?

Sullenberger topic – "Miracle on the Hudson" [Safety is No Miracle?]

Day 2

Hagan welcome and introduction of Elizabeth Ashford

Panel 2: Effectively Managing Pipeline Emergency Response

- Moderator: Elizabeth Ashford, former Deputy Press Secretary for Governor Jerry Brown
- Jerry Schmitz, Vice President, Engineering, SouthWest Gas
- Joanne Hayes-White, Chief, San Francisco Fire Department
- Tim Butters, Deputy Administrator, PHMSA
- Carl Weimer, Executive Director, Pipeline Safety Trust

Panel 2 Questions/Topics

- How do you handle the first press conference of an incident in the area where there has been a death and/or serious injury?

- Elements that make a response to a gas pipeline emergency successful.
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.
- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.
- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.

- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any strike or damage to a pipeline that may not result in an immediate release.

Panel 3: Safety Leadership: What does the Commission need from industry and what does industry need from the Commission to improve public safety in California?

- Moderator: Paul Clanon, Executive Director, California Public Utilities Commission
- Commissioner Mike Florio, CA PUC
- Commissioner Paul Roberti, Rhode Island PUC
- Chris Johns, President, PG&E
- Dennis Arriola, President and Chief Operating Officer, Southern California Gas Co.

Panel 3 Questions

- How specifically can the Commission and the utilities improve their working relationships in the interest of public safety for gas operations in California?

- From your perspective how can the companies do a better job of meeting regulator needs and what are the barriers to doing so?

- From your perspective how can the Commission and its staff do a better job of communicating what they need, why and by when to the companies?

- From your perspective, what constitutes "safe enough" as it relates to the public safety performance of a gas utility?

- Is public safety really a responsibility that is shared by both the regulated companies and the regulators?

- How can the public safety performance of the gas utilities in California be measured and communicated effectively to the public in a way that crystalizes their understanding of the risks inherent to operations and the company's performance to mitigate those risks?

Concluding Remarks

Peevey (?)

Hagan

Harris, Frederick

From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Sunday, April 14, 2013 8:57 AM
To: 'LRDD@pge.com'; Gonzalez, Nuria
Subject: Re: Symposium prep?

I will check with Nuria - but I think he is in the LA office Tues and maybe - if Nuria tells us OK - sneak in 15 mins of a video conference
If that doesn't work we could do it by phone - or wait till he is in SF for the 5/8 meeting

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 03:11 PM Pacific Standard Time
To: Brown, Carol A.
Subject: Symposium prep?

Carol
Do you want to get together or just have a phone call to talk about Mike's potential remarks at the Safety Symposium on May 7? I know that Hagan is out all next week. I'm attaching the agenda, and can walk you through how I think that part of the afternoon will work. Maybe 15 minutes would do it?

I can't recall when you are leaving but I want to be sure to make it happen before you do!

Also Mike needs to get registered (link in Hagan's letter) and indicate whether he will go to the dinner Tuesday night.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Monday, April 15, 2013 8:30 AM
To: Malashenko, Elizaveta I.
Cc: Prosper, Terrie D.; Doll, Laura; King, Paul; Clanon, Paul; ejhagan@sbcglobal.net
Subject: FW: A good list from Terrie

Lisa,

This is a good check list. I want to take charge of taking care on the logistics on the Symposium with Laura. I want SED or CPUC on the front desks, name tags etc. PG&E can be in a support role, behind the scenes, and beforehand, but I want the face of the symposium to CPUC/SED to be the face.

Keep me posted and let me know if you have any questions.

BG H

Brigadier General (CA) Emory J. Hagan, III
Director
Safety and Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201 Mobile
ejh@cpuc.ca.gov
"No one dies on my watch!"
"No better friend - no worse enemy!"
Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

From: Doll, Laura [LRDD@pge.com]
Sent: Sunday, April 14, 2013 20:22
To: Hagan, Jack (Brigadier General – CA)
Subject: A good list from Terrie

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Sunday, April 14, 2013 07:31 PM
To: Doll, Laura
Cc: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Don't know if this will be helpful

Thanks, Laura, looks good.

Here are a few other thoughts off the top of my head.

If we want any of the PowerPoints posted online, then you can send them to me for posting the first day of the event. That way, if people ask for them you can tell them they can print them online.

Needed
* Someone(s) to man a "welcome" table that has:
  - Agenda/bios handout (if attendees want to bring handouts, such as their PowerPoint) these would go there)

- Sign-in sheets (attendees and press)
- Name tags (if applicable?)

* Roaming mics and someone to(s) to hold them and hand them out to speaking audience members (if applicable?)
* Someone to control the PowerPoints and ensure they are displaying
* Is someone going to play MC at the event?

Graphic Design Needs (I will take care of these)
* Welcome Poster
* Welcome PowerPoint Slide
* Name plates/tent cards (if applicable?)

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 6:34 PM
To: Prosper, Terrie D.
Subject: Don't know if this will be helpful

But I had to put together a "flow" description for myself to try to picture the two days.
It will get added to, but it does have all the panel questions in once place, and some thoughts about what Mike and Hagan might say, etc.
I'm trying to meet with Carol Brown next week to make sure she is clear on Mike's role.

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Monday, April 15, 2013 10:44 AM
To: Doll, Laura
Subject: Latest Agenda
Attachments: Agenda for Safety Symposium_v5.pdf

****

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

California Public Utilities Commission

Forging a New Vision of Safety in California Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**
3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD

Tom Kemp, *Director of Operations and Managing Director, Fleet, Standards, and Operational Control, Alaska Airlines*

Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*

Robert C. Figlock, *President, Advanced Survey Design, LLC*

Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*

Nick Stavropoulos, *Executive Vice President, Gas Operations, Pacific Gas and Electric Company*

5 p.m. **Adjourn**

Evening Event (Optional)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: TBD

Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Safety Leadership – What Does the CPUC Need from Industry and What Does Industry Need From the CPUC to Improve Public Safety in California?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, *President, Pacific Gas and Electric Company*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 15, 2013 11:30 AM
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Subject: No need to call!

I got the word from Jack that Susan is in.
I'll follow up with Lynn.
Thank you!!

From: Doll, Laura
Sent: Friday, April 12, 2013 5:44 PM
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Subject: Call me re safety symposium when you come up from air

Specifically, I talked with both Hagan and Sadler today re panel 1 moderator and there are choices.

And Aloha.

Laura Doll
Director, Regulatory Relations
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mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 15, 2013 12:11 PM
To: ejhagan@sbcglobal.net; emory.hagan@cpuc.ca.gov
Subject: The current working list of discussion topics

Here, for your contemplation, are the notes I have put together on the symposium themes and flow, with the questions you gave me. Each panel has already received their respective list.

Notes on Safety Symposium Discussion Themes
4.15.13 draft

Day 1
Hagan welcome

- Excited about the first of these; emcee
- Intent of "Forging a New Vision of Safety in CA"
- Structure of program over two days
- Governor video?

Hersman video

- Jim Hall introduces her?
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- Challenges: limited CPUC resources, utility resources; low consumer confidence, high fear; Commission must balance new approach to safety with affordability
- But we have to make it work and can only do so together; agrees with Hersman

Panel 1: Building a Climate and Culture of Safety

- Moderator: Susan Kennedy, former Chief of Staff to Governor Schwarzenneger and former CPUC Commissioner
- Ted Kemp, Alaska Airlines
- Captain Jody Bridges, USN, Director, School of Aviation Safety, Pensacola, FL
- Robert C. Figlock, President, Advanced Survey Design, LLC
- Paul Levy, former Chair of the MA Dept of Public Utilities and former CEO of Beth Israel Deaconess Medical Center
- Nick Stavropoulos, Executive VP, Gas Operations, PG&E

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Dinner
Sullenberger introduction?
Sullenberger topic – "Miracle on the Hudson" [Safety is No Miracle?]

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Hagan welcome and introduction of Elizabeth Ashford
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- Moderator: Elizabeth Ashford, former Deputy Press Secretary for Governor Jerry Brown
- Jerry Schmitz, Vice President, Engineering, SouthWest Gas
- Joanne Hayes-White, Chief, San Francisco Fire Department
- Tim Butters, Deputy Administrator, PHMSA
- Carl Weimer, Executive Director, Pipeline Safety Trust

Panel 2 Questions/Topics

- How do you handle the first press conference of an incident in the area where there has been a death and/or serious injury?

- Elements that make a response to a gas pipeline emergency successful.
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.
- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.
- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.
- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any strike or damage to a pipeline that may not result in an immediate release.

Panel 3: Safety Leadership: What does the Commission need from industry and what does industry need from the Commission to improve public safety in California?

- Moderator: Paul Clanon, Executive Director, California Public Utilities Commission

- Commissioner Mike Florio, CA PUC
- Commissioner Paul Roberti, Rhode Island PUC
- Chris Johns, President, PG&E
- Dennis Arriola, President and Chief Operating Officer, Southern California Gas Co.

Panel 3 Questions

- How specifically can the Commission and the utilities improve their working relationships in the interest of public safety for gas operations in California?
- From your perspective how can the companies do a better job of meeting regulator needs and what are the barriers to doing so?
- From your perspective how can the Commission and its staff do a better job of communicating what they need, why and by when to the companies?
- From your perspective, what constitutes "safe enough" as it relates to the public safety performance of a gas utility?
- Is public safety really a responsibility that is shared by both the regulated companies and the regulators?
- How can the public safety performance of the gas utilities in California be measured and communicated effectively to the public in a way that crystalizes their understanding of the risks inherent to operations and the company's performance to mitigate those risks?

Concluding Remarks by Peevey (?) and Hagan

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Harris, Frederick

From: Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Monday, April 15, 2013 1:06 PM
To: Doll, Laura
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; robert stanford; Phason, Douglas
Subject: RE: Marks Auditorium
Attachments: MMCC (2) Reservation Form for CPUC Safety Symposium May 7-8. 2013.doc

Hi Laura, here is what I was given in the past. See attach.

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 10:31 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building.
Apparently there is a long list of rules surrounding use of the auditorium.
Do one of you have that list? I'm especially interested in rules around providing coffee.
There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium – all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!

Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:

Here's my contact, it's been quite some time since my last contact:

David Glass
Senior Conference Center Coordinator
Judicial Council Conference Center - Milton Marks Conference Center
Judicial Council of California - Administrative Office of the Courts
455 Golden Gate Avenue
San Francisco, CA 94102-3688
415-865-7848, Fax 415-865-4205, david.glass@jud.ca.gov

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 5:27 PM
To: Phason, Douglas
Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
Subject: Fwd: Re: May 7 sypmosium

Douglas

Do you have a contact at the Johnson building? Please see Laura Doll's message below.

Robert

---------- Forwarded message ----------
From: "Doll, Laura" <LRDD@pge.com>
Date: Apr 9, 2013 5:04 PM
Subject: Re: May 7 sypmosium
To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
To: Doll, Laura; Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>

Subject: RE: May 7 sypmosium

Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Thanks all!

This will be important to nail down ahead of time.

I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

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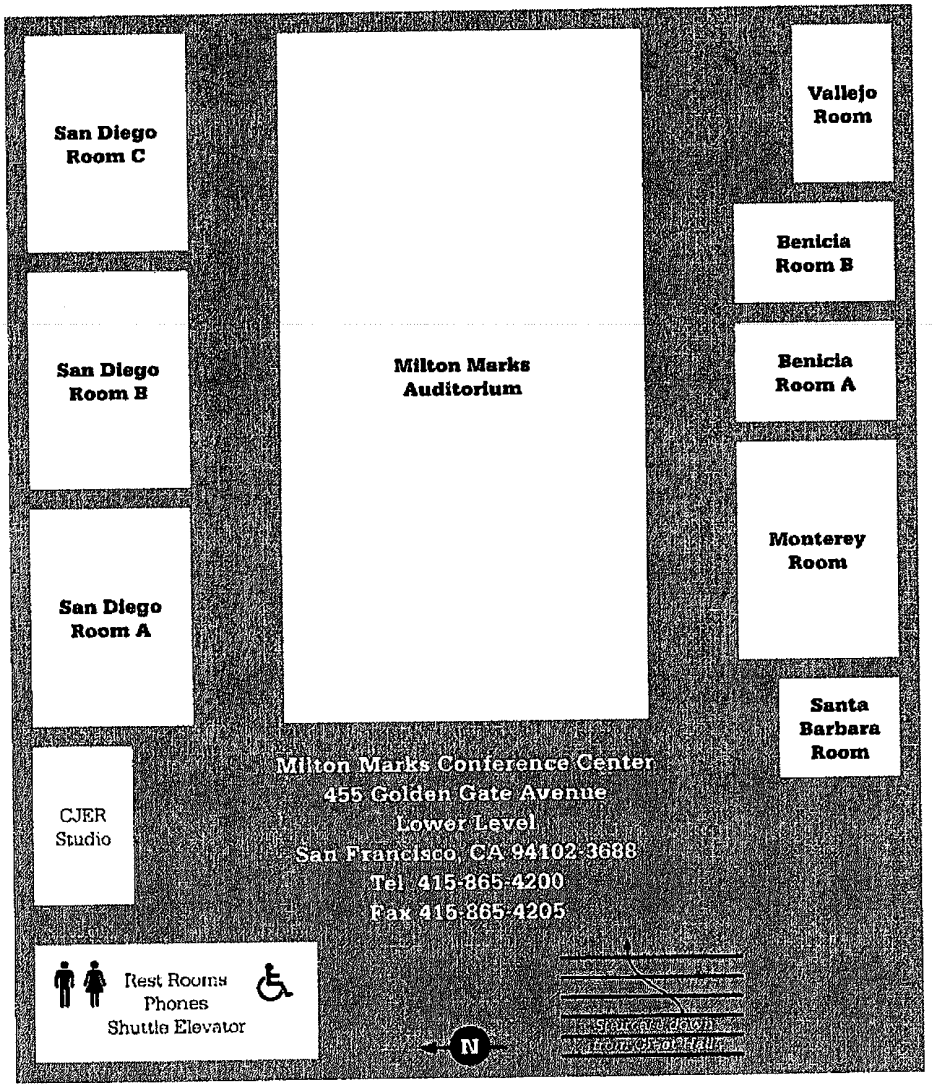
Milton Marks
Conference Center and Great Hall

Rates, Rules, Policies, and Procedures

(Conference Center Manual)



The Milton Marks Conference Center and the area known as the Great Hall are managed by the Administrative Office of the Courts to serve the needs of the tenants of the Hiram W. Johnson State Office Building and other state agencies. When possible, and for a rental fee, the facilities are made available for use by other eligible groups.

The conference center may never be used for commercial purposes.

Eligible Groups: Rent-free *(Official business of the state)*

- Building tenants (including tenant employee associations);
- California state agencies;
- Political party central committees designated by the California Elections Code

Eligible Groups: Rental and Service Fees apply *(Not official business of the state)*

- Local and federal government agencies;
- Nonprofit groups (e.g. blood banks, the American Cancer Society) or other groups that provide a benefit to the tenants in the building or to the community immediately surrounding the building; and
- Non-profit sponsored events:
  - These sponsored events are worthwhile activities conducted with the approval of a building tenant (sponsor), but are not official business of the State of California, conducted by state employees. In sponsoring a non-profit group's use of the conference center, the sponsor must authorize, in writing, the use of state space and resources for the specific event.

Reservations

Reservations by tenants, other state agencies, and sponsored groups are on a first-come, first-served basis with preference given to building tenants.
All other reservations, while also on a first-come, first-serve basis

- May use the Conference Center only during normal business hours (7:30 am – 5:30 pm, Monday through Friday). The conference center is closed to all users on the weekends.
- Cannot be requested more than 30 days before the event date.
- May not request any portion of the Conference Center for more than two consecutive days.

Reservations are placed with the AOC by calling or e-mailing the conference center at 415-865-7840 or ConferenceCenter@jud.ca.gov. A reservation form is attached. The requester must complete and return the form to the conference center.

Management will assign conference space to best meet the needs of all users, and has the right to reassign space or cancel a reservation, as necessary.

Due to the volume of requests received, we are unable to reserve or hold a room without the submission (and subsequent confirmation) of a reservation form.

All room requests are tentative and subject to change until official written confirmation from conference center staff.

Rental Fees and After-Hours Service Fees

Rental Fees:
Effective January 1, 2008, rental fees are as follows in minimum four hour increments:

Room		Rate (Hrs/$$)
Great Hall		0-4 hrs/$375 4-8 hrs/$750
Auditorium		0-4 hrs/$500 4-8 hrs/$920
San Diego Rm. A		$250 $400
San Diego Rm. B		$250 $400
San Diego Rm. C		$250 $400
2 San Diego Rooms Connected		$400 $700
3 San Diego Rooms - Connected		$500 $900
Monterey Rm.		$300 $440
Benicia Rm. A		$150 $220
Benicia Rm. B		$150 $220
Benicia Rm. A/B		$300 $440
Vallejo Rm.		$100 $180
Santa Barbara Rm.		$250 $400

After-hours service fee: Except for tenants, all users eligible to use the conference center after-hours will be charged appropriate service fees for after-hours activities. "After-hours" is defined as before 7:30 a.m. and after 5:30 p.m. Monday through Friday. The Milton Marks Conference Center is not open on weekends (Saturdays or Sundays). Potential fees include energy use, janitorial services, and security costs.

The energy use fee is $22.00 an hour;

The janitorial service fee is a minimum four-hour charge of $212.68 plus $53.17 for every hour or portion thereof after four hours.

Security fees are determined by and paid to Securitas Security Services and/or the California Highway Patrol (CHP) as described in the security section of this document.

Fee Payment Process

- Conference center staff will inform the requester of any rental or services fee due.
- Rental and service fees must be paid by check or money order no later than five working days before the event;
- A check or money order made payable to "State of California" must be given to the conference center staff, who will forward it to the building manager.
- If the payment is not received on time, the customer will be given notice via e-mail, that the reservation has been withdrawn for canceled.

Important After-hours Information:

- **The event organizer/sponsor is required to arrive half an hour before the start of the event and bring all letters and permits with you and check-in with the guard on duty. Your attendees will not be allowed to enter the building and your event will not be allowed to begin until this happens.**

- **A State employee must be present for the entirety of all after-hours events; this includes both official State business functions as well as sponsored events.**

Permits

Events conducted in or around the building, or the adjoining Earl Warren State Office Building, which is located at 350 McAllister Street, San Francisco, CA 94102, may require a Permit for Activity on State property from the CHP.

- State agencies conducting state business in or on any portion of these state properties are not required to submit permit applications except under any of the following circumstances:
  - Alcohol will be served;
  - The event is open to the public;
  - More than 150 attendees are expected;
  - The event will be held outside of normal business hours.
- All other agencies, even if sponsored by a building tenant, are required to submit a permit application.
- A permit application, with instructions, is attached and must be completed and submitted to the designated CHP office no later than 10 business days before the event.
- Notification of approval or denial of the permit application will be sent by the CHP to the requestor, the building manager, and the conference center coordinator.

Insurance/Insurance Waiver:

- All state agencies may make reservations without a certificate of insurance. However, each reservation is made with the specific agreement that the agency making the reservation assumes liability for damage to the facility or injuries resulting from their activities.
- Non-state agencies wishing to use the conference center must submit a certificate of insurance one week before their scheduled event. The minimum amount of commercial general liability insurance required is $1 million per occurrence.
- All non-state agencies must additionally agree in writing to indemnify the state against all claims for injury or loss resulting from their activities on state property.
- The requirement for a certificate of insurance will be waived for non-state agencies sponsored by a building tenant if the sponsoring building tenant stipulates in the reservation form that it is assuming all liability for the event.

Security

- Some events may require additional security, the cost of which is the responsibility of the agency using the facility, as are any associated costs.
- All events held outside of normal business hours require additional security.
- Events open to individuals who are not state employees may require additional security. An event for up to 50 persons requires one security officers. Normally, for each 50 additional attendees, one additional security officer is required.

- Agencies responsible for events held outside normal business hours or in some instances, events open to non-state employees must contract directly with Securitas Security Services for the required additional security service. Securitas Security Services requires payment in advance for all agencies and persons who have not established credit accounts with them prior to the scheduled event. The Securitas Security Services on-site manager may be contacted as follows:

  James Ward
  Securitas Security Account Manager
  415-355-5462
  james.ward@dgs.ca.gov

- Events at which alcohol is served also may require the presence of the CHP. The agency sponsoring such an event is responsible for direct payment to the CHP for any required security services.

Conference center staff, in consultation with the CHP and Securitas Security Services, reserves the right to determine when additional security is required for circumstances not addressed or anticipated in this manual.

Please Note: All events which take place after-hours must be scheduled with Securitas Security Services in advance and approved by the CHP. Arrangements must be made to specify the time and point of entry as well as use of the loading dock. There will be no entry to the building without making these arraignments in advance. The event organizer and/or sponsor are required to arrive half an hour before the start of the event and must bring all letters and permits to the event at that time.

Room Setup

- Conference center staff will provide the following room setup for the conference center:
  - Setting up of all tables and chairs to a mutually agreed-upon configuration;
  - Opening and closing of any movable partitions; and
  - Assisting with available audiovisual equipment.
- All room setup and audio/visual requests must be made in writing at least 72 hours in advance.
- Under the management of conference center staff, the user agency or group is responsible for the set-up of the Great Hall. The use and quantity of tables and chairs for the Great Hall is never guaranteed; rentals may be required.

Posters, Signs, and Notices

- All meetings and events will be posted on the daily reader boards located throughout the building by conference center staff.
- All additional notices, signs, and posters must be preapproved by conference center management, and in some instances building management, before posting.
- Unapproved signage may be removed.
- Materials may not be delivered in advance (for storage or distribution purposes) or left after the conclusion of an event. Anything left in the room after the event is over is done so at the owner's risk of loss or damage.
- Tack strips have been provided in all of the conference rooms to display posters or charts. With the exception of "Post-it" notes, taping, tacking, or tying notices to the walls, columns, or any other surface of the rooms is not permitted. Any materials

posted on the walls must be removed by the user prior before leaving the facility at the end of the event.

Artwork

- Do not disturb any of the artwork on display in the Conference Center, Great Hall or any other common area of the Hiram Johnson State Office Building.
- Do not hang any artwork anywhere without previous authorization from building or conference center management.

Emergency Evacuation Information

It is the user's responsibility to be familiar with the attached Emergency Evacuation Information and bring it to the attention of the attendees. The information is also posted on the back of event room doors.

Breach of Rules

Failure to comply with the rules, policies, and procedures of this manual or those regulations set forth by the California Highway Patrol may result in the revocation of an agency's or group's permission to use the conference center.

Room Capacities

The following are the capacities of the rooms in the Conference Center.

Auditorium:
Fixed theater seating for 225.

San Diego Rooms A, B, and C
Each room is appropriate for up to 18 attendees in U-shape, 22 in a hollow square, or 25-30 in classroom or union style or rounds. **The rooms may be combined.**

Santa Barbara Room:
Appropriate for up to 22 attendees in U-shape, 28 in a hollow square or 30 in classroom or union style rounds.

Monterey Room:
Appropriate for up to 26 attendees in U-shape, 30 in a hollow square, or 40 in classroom or union style rounds.

Benicia Rooms A and B:
Each room is appropriate for up to 12 attendees in U-shape, 14 in a hollow square, or 20 Classroom. The two rooms may be combined; if so, union style rounds become an option, seating 30.

Vallejo Room:
Appropriate for up to 16 attendees at a fixed conference table.

WHAT TO DO IN AN EMERGENCY

Be prepared!

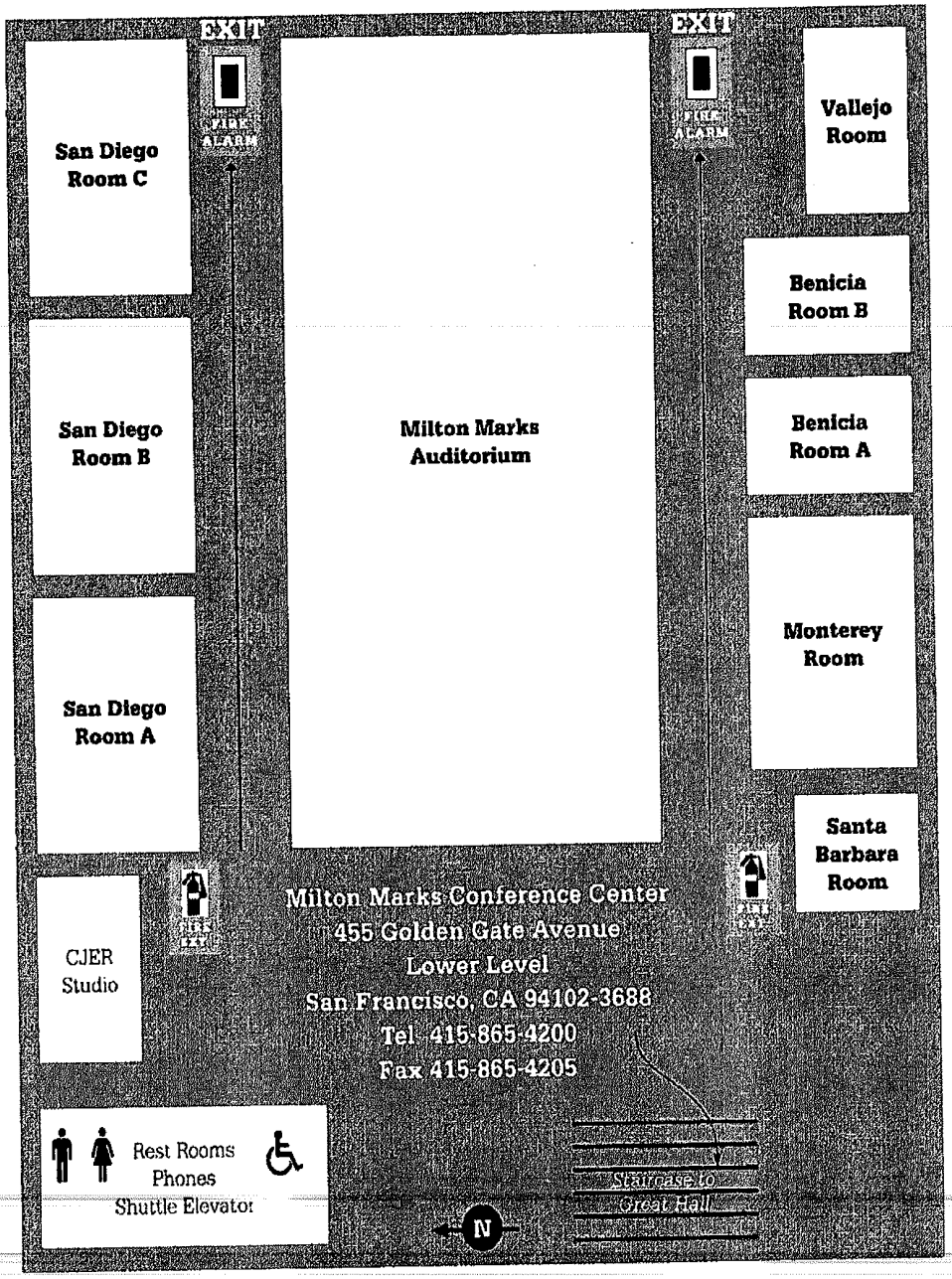
Familiarize yourself with the emergency evacuation map and procedures.

In any emergency, CALL

- 911. Say, "I am calling to report an injury/illness/fire/police emergency. I am calling from 455 Golden Gate Avenue, between Polk and Larkin, on the lower level." Wait for instructions from the 911 dispatcher.
- 703-3333 to tell building management that a 911 emergency call has been made. Tell them where you are so they can escort arriving emergency personnel to your location.

In a FIRE emergency, ALSO

- Activate the nearest fire alarm. The alarm will sound as a loud horn and the wall-mounted strobe lights will flash.
- Listen to the public address system for announcements and instructions.
- In the event of an evacuation, persons with disabilities should go to the nearest stairwell and wait for assistance.



Milton Marks Conference Center and Great Hall Reservation Form

Today's Date: March 15, 2013

Name of Meeting: CPUC Safety Symposium

Requested Date(s): May 7-8, 2013 Number of Attendees: 150

Reservation Start Time: **Event Start Time:** 8:00 AM **Event End Time:** 5:30 PM

Requesting agency/organization: California Public Utilities Commission

Person making reservation: Aaron K. Pete

Phone number: 415-703-2179 E-mail: akp@cpuc.ca.gov

Please complete all applicable sections.

☐ **Hiram W. Johnson State Building Tenant** ☑ **Other California State Agency**

☐ **Agency/Group Sponsored by Building Tenant** ***(Rental fees apply)***

This nonstate agency will not submit a certificate of insurance. The sponsoring building tenant accepts responsibility for the event, including liability for damage and injury, costs of excessive cleanup and other unforeseen costs arising from this event.

Name of sponsoring building tenant: _____

Contact person: _____ Phone: _____

Name and title of authorized building tenant representative: _____

Signature of authorized building tenant representative: _____

☐ **Nonstate Agency/Group** ***(requesting space no more then 30 days in advance)***

☐ **Designated Political Party Central Committee**

All requests are tentative pending completion of applicable provisions:

- Pursuant to the Conference Center Rates, Rules, Policies, and Procedures ("Conference Center Manual"), this agency may be required to submit a CHP permit request.
- Pursuant to the Conference Center Manual, this agency may be required to contract for additional security.
- Pursuant to the Conference Center Manual, this agency may be required to submit a certificate of insurance.
- Pursuant to the Conference Center Manual, this agency may be required to pay the following rental and service fees:

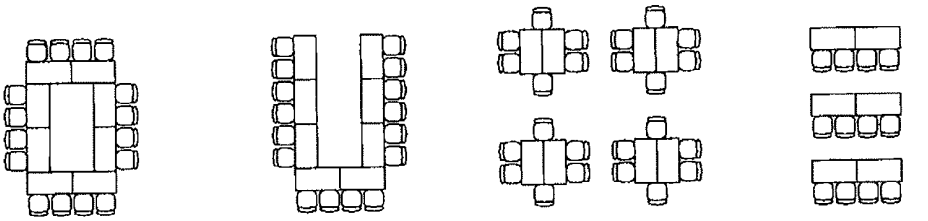
I am the authorized representative for my agency and I have read the conference center manual. On behalf of my agency, I agree to abide by these rules. I understand that my agency is responsible for any damage or excessive cleanup costs. My agency will indemnify and hold the State harmless for any damage, injury, or other liability resulting from its use of the Milton Marks Conference Center.

Name and title (print): _____

Signature: _____ Date: _____

Meeting Room Specifications:

☐ **Hollow square** ☐ **Open U** ☐ **Union style rounds** ☐ **Classroom**



☐ Other_____

☐ Head table (# of chairs_____) ☐ Registration table (☐ Inside room ☐ Outside room)

☐ Catering table ☐ Standing podium ☐ Extra tables/chairs_____

- Audiovisual equipment: Please request in writing at least 72 hours in advance.

Special requests:

Please submit this form to:
Milton Marks Conference Center
Administrative Office of the Courts
455 Golden Gate Avenue
San Francisco, CA. 94102
Tel: 415-865-7840 Fax: 415-865-4205
ConferenceCenter@jud.ca.gov

Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov> on behalf of Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Monday, April 15, 2013 1:17 PM
To: LRDD@pge.com; 'The General'
Subject: Meeting with Laura Doll Re: CPUC Symposium

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 15, 2013 1:18 PM
To: Hagan, Jack (Brigadier General – CA)
Subject: Accepted: Meeting with Laura Doll Re: CPUC Symposium

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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, April 15, 2013 5:15 PM
To: 'Laura Doll (LRDD@pge.com)'
Cc: Prosper, Terrie D.; Pete, Aaron
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium
Attachments: MMCC (2) Reservation Form for CPUC Safety Symposium May 7-8. 2013.doc

Here you go....

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Pete, Aaron
Sent: Monday, April 15, 2013 4:59 PM
To: Malashenko, Elizaveta I.
Subject: RE: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Here you go.

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Malashenko, Elizaveta I.
Sent: Monday, April 15, 2013 4:46 PM
To: Pete, Aaron
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Aaron,

I think you did the reservation. Do you have the list of rules from the building? If not, can you please get them for us?

Thanks,

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 10:50 AM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Good morning friends –
SOMEBODY at the CPUC reserved this place in the CPUC's name and presumably has paper, right?

Let me know. Thanks!
Laura

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Friday, April 12, 2013 10:47 AM
To: Doll, Laura; robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Hi Laura:

Unfortunately I do not have a list of rules for the Marks auditorium at 455 Golden Gate Avenue. I recommend contacting David Glass.

In regards to tables, serving food and the adjacent area, I do not know about this either. My involvement in the Marks auditorium has been strictly technical.

Please ask David Glass about the projection screen, projector, etc. In the past the auditorium had a large drop down screen, a projector and I don't recall the arrangement with the microphones.

If I can be of further assistance please contact me at your earliest convenience.

Sincerely Yours,
Robert Stanford

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 10:30 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building.
Apparently there is a long list of rules surrounding use of the auditorium.
Do one of you have that list? I'm especially interested in rules around providing coffee.
There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium - all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!
Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:
Here's my contact, it's been quite some time since my last contact:

415-865-7848 415-865-4205 david.glass@jud.ca.gov

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 5:27 PM
To: Phason, Douglas
Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
Subject: Fwd: Re: May 7 sypmosium

Douglas
Do you have a contact at the Johnson building? Please see Laura Doll's message below.
Robert

---------- Forwarded message ----------
From: "Doll, Laura" <LRDD@pge.com>
Date: Apr 9, 2013 5:04 PM
Subject: Re: May 7 sypmosium
To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
To: Doll, Laura; Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>
Subject: RE: May 7 sypmosium

Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

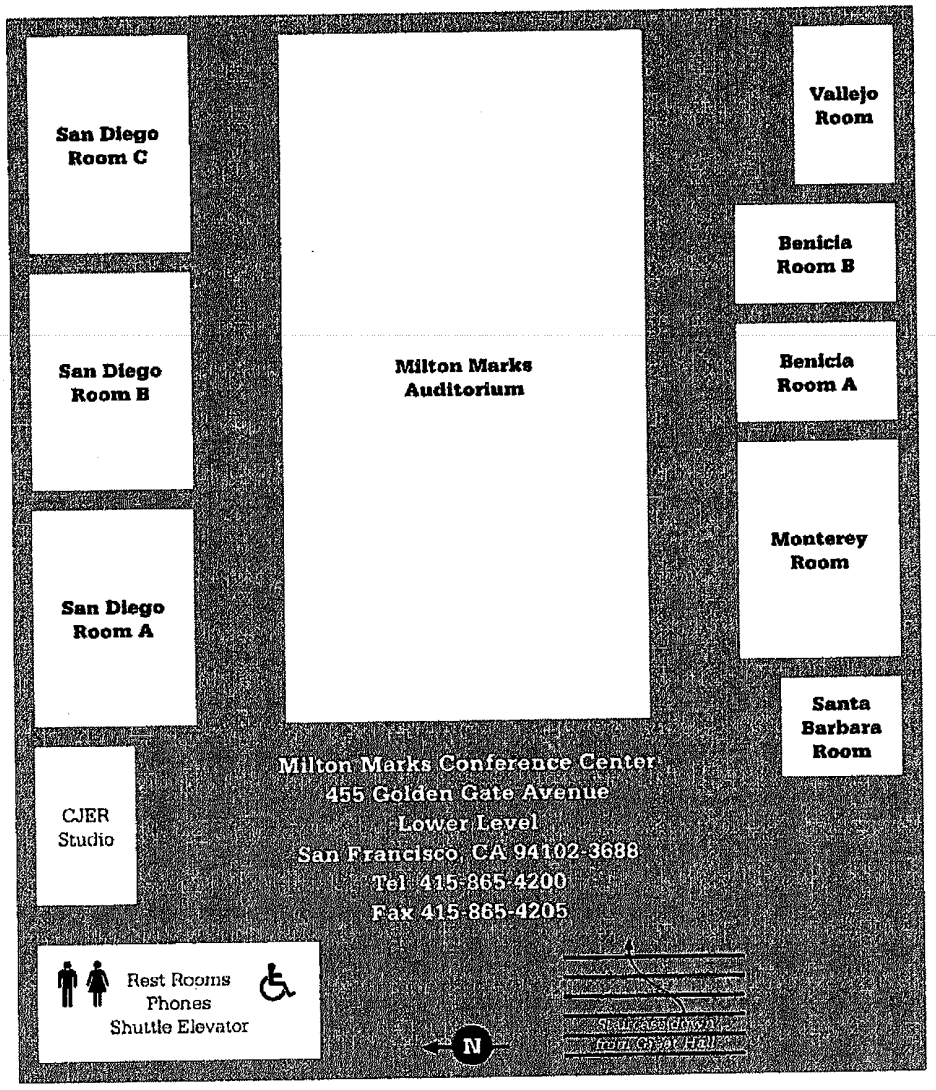
Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

PG&E is committed to protecting our customers' privacy.
To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Milton Marks
Conference Center and Great Hall

Rates, Rules, Policies, and Procedures

(Conference Center Manual)



The Milton Marks Conference Center and the area known as the Great Hall are managed by the Administrative Office of the Courts to serve the needs of the tenants of the Hiram W. Johnson State Office Building and other state agencies. When possible, and for a rental fee, the facilities are made available for use by other eligible groups.

The conference center may never be used for commercial purposes.

Eligible Groups: Rent-free *(Official business of the state)*

- Building tenants (including tenant employee associations);
- California state agencies;
- Political party central committees designated by the California Elections Code

Eligible Groups: Rental and Service Fees apply *(Not official business of the state)*

- Local and federal government agencies;
- Nonprofit groups (e.g. blood banks, the American Cancer Society) or other groups that provide a benefit to the tenants in the building or to the community immediately surrounding the building; and
- Non-profit sponsored events:
  - These sponsored events are worthwhile activities conducted with the approval of a building tenant (sponsor), but are not official business of the State of California, conducted by state employees. In sponsoring a non-profit group's use of the conference center, the sponsor must authorize, in writing, the use of state space and resources for the specific event.

Reservations

Reservations by tenants, other state agencies, and sponsored groups are on a first-come, first-served basis with preference given to building tenants.
All other reservations, while also on a first-come, first-serve basis

- May use the Conference Center only during normal business hours (7:30 am – 5:30 pm, Monday through Friday). The conference center is closed to all users on the weekends.
- Cannot be requested more than 30 days before the event date.
- May not request any portion of the Conference Center for more than two consecutive days.

Reservations are placed with the AOC by calling or e-mailing the conference center at 415-865-7840 or ConferenceCenter@jud.ca.gov. A reservation form is attached. The requester must complete and return the form to the conference center.

Management will assign conference space to best meet the needs of all users, and has the right to reassign space or cancel a reservation, as necessary.

Due to the volume of requests received, we are unable to reserve or hold a room without the submission (and subsequent confirmation) of a reservation form.

All room requests are tentative and subject to change until official written confirmation from conference center staff.

Rental Fees and After-Hours Service Fees

Rental Fees:
Effective January 1, 2008, rental fees are as follows in minimum four hour increments:

Room		Rate (Hrs/$$)
Great Hall		0-4 hrs/$375 4-8 hrs/$750
Auditorium		0-4 hrs/$500 4-8 hrs/$920
San Diego Rm. A		$250 $400
San Diego Rm. B		$250 $400
San Diego Rm. C		$250 $400
2 San Diego Rooms Connected		$400 $700
3 San Diego Rooms - Connected		$500 $900
Monterey Rm.		$300 $440
Benicia Rm. A		$150 $220
Benicia Rm. B		$150 $220
Benicia Rm. A/B		$300 $440
Vallejo Rm.		$100 $180
Santa Barbara Rm.		$250 $400

After-hours service fee: Except for tenants, all users eligible to use the conference center after-hours will be charged appropriate service fees for after-hours activities. "After-hours" is defined as before 7:30 a.m. and after 5:30 p.m. Monday through Friday. The Milton Marks Conference Center is not open on weekends (Saturdays or Sundays). Potential fees include energy use, janitorial services, and security costs.

The energy use fee is $22.00 an hour;

The janitorial service fee is a minimum four-hour charge of $212.68 plus $53.17 for every hour or portion thereof after four hours.

Security fees are determined by and paid to Securitas Security Services and/or the California Highway Patrol (CHP) as described in the security section of this document.

Fee Payment Process

- Conference center staff will inform the requester of any rental or services fee due.
- Rental and service fees must be paid by check or money order no later than five working days before the event;
- A check or money order made payable to "State of California" must be given to the conference center staff, who will forward it to the building manager.
- If the payment is not received on time, the customer will be given notice via e-mail, that the reservation has been withdrawn for canceled.

Important After-hours Information:

- **The event organizer/sponsor is required to arrive half an hour before the start of the event and bring all letters and permits with you and check-in with the guard on duty. Your attendees will not be allowed to enter the building and your event will not be allowed to begin until this happens.**

- **A State employee must be present for the entirety of all after-hours events; this includes both official State business functions as well as sponsored events.**

Permits

Events conducted in or around the building, or the adjoining Earl Warren State Office Building, which is located at 350 McAllister Street, San Francisco, CA 94102, may require a Permit for Activity on State property from the CHP.

- State agencies conducting state business in or on any portion of these state properties are not required to submit permit applications except under any of the following circumstances:
  - Alcohol will be served;
  - The event is open to the public;
  - More than 150 attendees are expected;
  - The event will be held outside of normal business hours.
- All other agencies, even if sponsored by a building tenant, are required to submit a permit application.
- A permit application, with instructions, is attached and must be completed and submitted to the designated CHP office no later than 10 business days before the event.
- Notification of approval or denial of the permit application will be sent by the CHP to the requestor, the building manager, and the conference center coordinator.

Insurance/Insurance Waiver:

- All state agencies may make reservations without a certificate of insurance. However, each reservation is made with the specific agreement that the agency making the reservation assumes liability for damage to the facility or injuries resulting from their activities.
- Non-state agencies wishing to use the conference center must submit a certificate of insurance one week before their scheduled event. The minimum amount of commercial general liability insurance required is $1 million per occurrence.
- All non-state agencies must additionally agree in writing to indemnify the state against all claims for injury or loss resulting from their activities on state property.
- The requirement for a certificate of insurance will be waived for non-state agencies sponsored by a building tenant if the sponsoring building tenant stipulates in the reservation form that it is assuming all liability for the event.

Security

- Some events may require additional security, the cost of which is the responsibility of the agency using the facility, as are any associated costs.
- All events held outside of normal business hours require additional security.
- Events open to individuals who are not state employees may require additional security. An event for up to 50 persons requires one security officers. Normally, for each 50 additional attendees, one additional security officer is required.

- Agencies responsible for events held outside normal business hours or in some instances, events open to non-state employees must contract directly with Securitas Security Services for the required additional security service. Securitas Security Services requires payment in advance for all agencies and persons who have not established credit accounts with them prior to the scheduled event. The Securitas Security Services on-site manager may be contacted as follows:

  James Ward
  Securitas Security Account Manager
  415-355-5462
  james.ward@dgs.ca.gov

- Events at which alcohol is served also may require the presence of the CHP. The agency sponsoring such an event is responsible for direct payment to the CHP for any required security services.

Conference center staff, in consultation with the CHP and Securitas Security Services, reserves the right to determine when additional security is required for circumstances not addressed or anticipated in this manual.

Please Note: All events which take place after-hours must be scheduled with Securitas Security Services in advance and approved by the CHP. Arrangements must be made to specify the time and point of entry as well as use of the loading dock. There will be no entry to the building without making these arraignments in advance. The event organizer and/or sponsor are required to arrive half an hour before the start of the event and must bring all letters and permits to the event at that time.

Room Setup

- Conference center staff will provide the following room setup for the conference center:
  - Setting up of all tables and chairs to a mutually agreed-upon configuration;
  - Opening and closing of any movable partitions; and
  - Assisting with available audiovisual equipment.
- All room setup and audio/visual requests must be made in writing at least 72 hours in advance.
- Under the management of conference center staff, the user agency or group is responsible for the set-up of the Great Hall. The use and quantity of tables and chairs for the Great Hall is never guaranteed; rentals may be required.

Posters, Signs, and Notices

- All meetings and events will be posted on the daily reader boards located throughout the building by conference center staff.
- All additional notices, signs, and posters must be preapproved by conference center management, and in some instances building management, before posting.
- Unapproved signage may be removed.
- Materials may not be delivered in advance (for storage or distribution purposes) or left after the conclusion of an event. Anything left in the room after the event is over is done so at the owner's risk of loss or damage.
- Tack strips have been provided in all of the conference rooms to display posters or charts. With the exception of "Post-it" notes, taping, tacking, or tying notices to the walls, columns, or any other surface of the rooms is not permitted. Any materials

posted on the walls must be removed by the user prior before leaving the facility at the end of the event.

Artwork

- Do not disturb any of the artwork on display in the Conference Center, Great Hall or any other common area of the Hiram Johnson State Office Building.
- Do not hang any artwork anywhere without previous authorization from building or conference center management.

Emergency Evacuation Information

It is the user's responsibility to be familiar with the attached Emergency Evacuation Information and bring it to the attention of the attendees. The information is also posted on the back of event room doors.

Breach of Rules

Failure to comply with the rules, policies, and procedures of this manual or those regulations set forth by the California Highway Patrol may result in the revocation of an agency's or group's permission to use the conference center.

Room Capacities

The following are the capacities of the rooms in the Conference Center.

Auditorium:
Fixed theater seating for 225.

San Diego Rooms A, B, and C
Each room is appropriate for up to 18 attendees in U-shape, 22 in a hollow square, or 25-30 in classroom or union style or rounds. **The rooms may be combined.**

Santa Barbara Room:
Appropriate for up to 22 attendees in U-shape, 28 in a hollow square or 30 in classroom or union style rounds.

Monterey Room:
Appropriate for up to 26 attendees in U-shape, 30 in a hollow square, or 40 in classroom or union style rounds.

Benicia Rooms A and B:
Each room is appropriate for up to 12 attendees in U-shape, 14 in a hollow square, or 20 Classroom. The two rooms may be combined; if so, union style rounds become an option, seating 30.

Vallejo Room:
Appropriate for up to 16 attendees at a fixed conference table.

WHAT TO DO IN AN EMERGENCY

Be prepared!

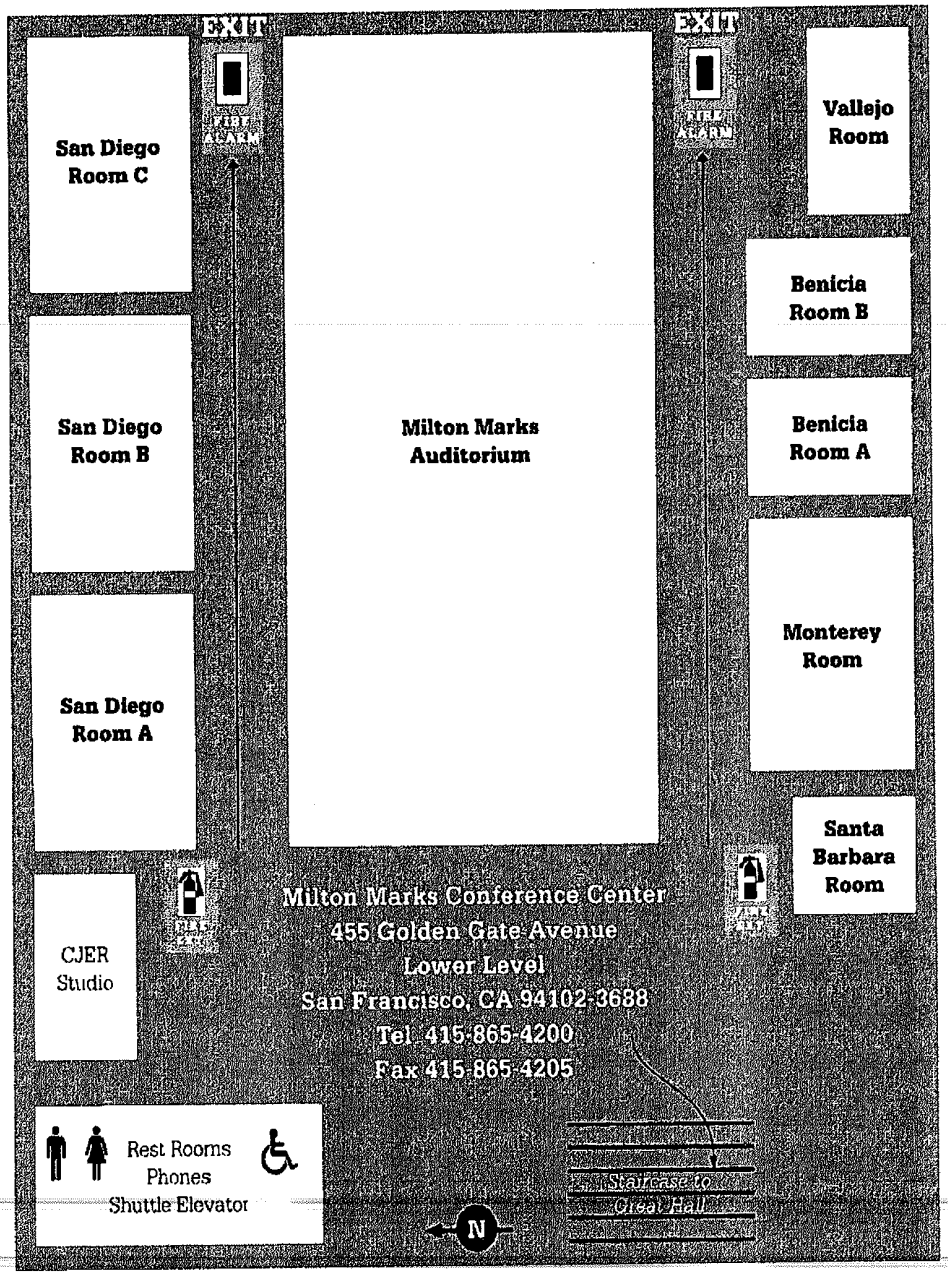
Familiarize yourself with the emergency evacuation map and procedures.

In any emergency, CALL

- 911. Say, "I am calling to report an injury/illness/fire/police emergency. I am calling from 455 Golden Gate Avenue, between Polk and Larkin, on the lower level." Wait for instructions from the 911 dispatcher.
- 703-3333 to tell building management that a 911 emergency call has been made. Tell them where you are so they can escort arriving emergency personnel to your location.

In a FIRE emergency, ALSO

- Activate the nearest fire alarm. The alarm will sound as a loud horn and the wall-mounted strobe lights will flash.
- Listen to the public address system for announcements and instructions.
- In the event of an evacuation, persons with disabilities should go to the nearest stairwell and wait for assistance.



Milton Marks Conference Center and Great Hall Reservation Form

Today's Date: March 15, 2013

Name of Meeting: CPUC Safety Symposium

Requested Date(s): May 7-8, 2013 Number of Attendees: 150

Reservation Start Time: **Event Start Time:** 8:00 AM **Event End Time:** 5:30 PM

Requesting agency/organization: California Public Utilities Commission

Person making reservation: Aaron K. Pete

Phone number: 415-703-2179 E-mail: akp@cpuc.ca.gov

Please complete all applicable sections.

☐ **Hiram W. Johnson State Building Tenant** ☑ **Other California State Agency**

☐ **Agency/Group Sponsored by Building Tenant** ***(Rental fees apply)***

This nonstate agency will not submit a certificate of insurance. The sponsoring building tenant accepts responsibility for the event, including liability for damage and injury, costs of excessive cleanup and other unforeseen costs arising from this event.

Name of sponsoring building tenant: _____

Contact person: _____ Phone: _____

Name and title of authorized building tenant representative: _____

Signature of authorized building tenant representative: _____

☐ **Nonstate Agency/Group** ***(requesting space no more then 30 days in advance)***

☐ **Designated Political Party Central Committee**

All requests are tentative pending completion of applicable provisions:

- Pursuant to the Conference Center Rates, Rules, Policies, and Procedures ("Conference Center Manual"), this agency may be required to submit a CHP permit request.
- Pursuant to the Conference Center Manual, this agency may be required to contract for additional security.
- Pursuant to the Conference Center Manual, this agency may be required to submit a certificate of insurance.
- Pursuant to the Conference Center Manual, this agency may be required to pay the following rental and service fees:

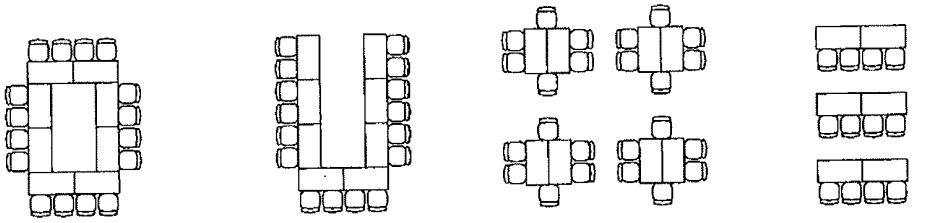
I am the authorized representative for my agency and I have read the conference center manual. On behalf of my agency, I agree to abide by these rules. I understand that my agency is responsible for any damage or excessive cleanup costs. My agency will indemnify and hold the State harmless for any damage, injury, or other liability resulting from its use of the Milton Marks Conference Center.

Name and title (print): _____

Signature: _____ Date: _____

Meeting Room Specifications:

☐ **Hollow square** ☐ **Open U** ☐ **Union style rounds** ☐ **Classroom**



☐ Other_____

☐ Head table (# of chairs_____) ☐ Registration table (☐ Inside room ☐ Outside room)

☐ Catering table ☐ Standing podium ☐ Extra tables/chairs_____

- Audiovisual equipment: Please request in writing at least 72 hours in advance.

Special requests:

Please submit this form to:
Milton Marks Conference Center
Administrative Office of the Courts
455 Golden Gate Avenue
San Francisco, CA. 94102
Tel: 415-865-7840 Fax: 415-865-4205
ConferenceCenter@jud.ca.gov

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 15, 2013 5:28 PM
To: Malashenko, Elizaveta I.
Cc: Prosper, Terrie D.; Pete, Aaron
Subject: RE: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Thanks Liza – Aaron sent it to me this morning as well. I haven't had a chance to go through it yet – it's like 30 pages!!

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Monday, April 15, 2013 5:15 PM
To: Doll, Laura
Cc: Prosper, Terrie D.; Pete, Aaron
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Here you go....

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Pete, Aaron
Sent: Monday, April 15, 2013 4:59 PM
To: Malashenko, Elizaveta I.
Subject: RE: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Here you go.

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Malashenko, Elizaveta I.
Sent: Monday, April 15, 2013 4:46 PM
To: Pete, Aaron
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Aaron,

I think you did the reservation. Do you have the list of rules from the building? If not, can you please get them for us?

Thanks,

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 10:50 AM
To: Prosper, Terrie D.; Malashenko, Elizaveta I.
Subject: FW: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Good morning friends –
SOMEBODY at the CPUC reserved this place in the CPUC's name and presumably has paper, right?

Let me know. Thanks!
Laura

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Friday, April 12, 2013 10:47 AM
To: Doll, Laura; robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Hi Laura:

Unfortunately I do not have a list of rules for the Marks auditorium at 455 Golden Gate Avenue. I recommend contacting David Glass.

In regards to tables, serving food and the adjacent area, I do not know about this either. My involvement in the Marks auditorium has been strictly technical.

Please ask David Glass about the projection screen, projector, etc. In the past the auditorium had a large drop down screen, a projector and I don't recall the arrangement with the microphones.

If I can be of further assistance please contact me at your earliest convenience.

Sincerely Yours,
Robert Stanford

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 10:30 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building. Apparently there is a long list of rules surrounding use of the auditorium. Do one of you have that list? I'm especially interested in rules around providing coffee.

There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium - all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!
Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:
Here's my contact, it's been quite some time since my last contact:

David Glass
Senior Conference Center Coordinator
Judicial Council - Conference Center - Ronald M. Georgo State Office Complex
Judicial Council of California - Administrative Office of the Courts
455 Golden Gate Avenue
San Francisco, CA 94102-3688
415-865-7848, Fax 415-865-4205, david.glass@jud.ca.gov

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Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
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To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
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Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>
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Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

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Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

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To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 15, 2013 5:57 PM
To: Malashenko, Elizaveta I.
Cc: Prosper, Terrie D.; Pete, Aaron; Yura, Jane; Doll, Laura
Subject: RE: MAY 07 2013 - SYMPOSIUM - Marks Auditorium

Aaron/Liza
Now I have gone through this form.
Two questions:

1. Are we sure the AUDITORIUM is reserved? The form is not specific, and the heading says "conference center and great hall." Yes, I may be a little paranoid. Aaron, did you have a conversation with someone over there?
2. I don't see anything in the form about bringing in refreshments (except alcohol, which requires special approval ☺); we need to know how it will work for an outside vendor to bring in coffee and drinks.

We have to provide all audiovisual and room setup requests IN WRITING at least 72 hours in advance. So we will need to specify tables for registration, tables for coffee, and how we want the panels set up on stage.

Shall we arrange a meeting on-site to go over this?

Thanks
Laura

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Monday, April 15, 2013 5:15 PM
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Unfortunately I do not have a list of rules for the Marks auditorium at 455 Golden Gate Avenue. I recommend contacting David Glass.

In regards to tables, serving food and the adjacent area, I do not know about this either. My involvement in the Marks auditorium has been strictly technical.

Please ask David Glass about the projection screen, projector, etc. In the past the auditorium had a large drop down screen, a projector and I don't recall the arrangement with the microphones.

If I can be of further assistance please contact me at your earliest convenience.

Sincerely Yours,

Robert Stanford

From: Doll, Laura [LRDD@pge.com]
Sent: Friday, April 12, 2013 10:30 AM
To: robert stanford; Phason, Douglas
Cc: Mann, Jesse; Prosper, Terrie D.; Stanford, Robert; Malashenko, Elizaveta I.; Yura, Jane; Pete, Aaron
Subject: Marks Auditorium

Good morning everybody!

I was in the neighborhood and so I went into the building to check it out. I was told that David Glass is indeed the person in charge of the building.
Apparently there is a long list of rules surrounding use of the auditorium.
Do one of you have that list? I'm especially interested in rules around providing coffee.
There are signs saying no food or drink in the auditorium, and that's fine. But there are two places just outside the auditorium that would work well for tables to be set up and coffee to be served. We just need to know what is allowable so we can make the proper arrangements.
I know that the CPUC doesn't have money for this (per Paul), but we were thinking that the utilities could pay for it and then just put up an "honor system" jar where folks could put a dollar in if they have coffee or water.

I had forgotten that the auditorium arrangement is with the stage just inside the doors as you enter, down low. And the seats bank up from there. It's nice. We'll need to have tables set up for the panelists, a screen for the video and powerpoint presentations, and a podium - all with microphones. Does anyone on this list know if that has been communicated to David Glass and his team?

In exactly one month . . . this will all be over!

Thanks
Laura

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 8:45 PM
To: Phason, Douglas
Cc: Doll, Laura; JESSE MANN; Prosper, Terrie D.; rs3@cpuc.ca.gov
Subject: RE: Re: May 7 sypmosium

Thanks Douglass for coming through!
Robert

On Apr 10, 2013 5:59 PM, "Phason, Douglas" <douglas.phason@cpuc.ca.gov> wrote:
Here's my contact, it's been quite some time since my last contact:

[illegible]

San Francisco, CA 94102-3698
415-865-7848, Fax 415-865-4205, david.glass@jud.ca.gov

From: robert stanford [mailto:robertcstanford@gmail.com]
Sent: Wednesday, April 10, 2013 5:27 PM
To: Phason, Douglas
Cc: Prosper, Terrie D.; Mann, Jesse; LRDD@PGE.com
Subject: Fwd: Re: May 7 sypmosium

Douglas
Do you have a contact at the Johnson building? Please see Laura Doll's message below.
Robert

---------- Forwarded message ----------
From: "Doll, Laura" <LRDD@pge.com>
Date: Apr 9, 2013 5:04 PM
Subject: Re: May 7 sypmosium
To: "Stanford, Robert" <robert.stanford@cpuc.ca.gov>, "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Cc: "Mann, Jesse" <jesse.mann@cpuc.ca.gov>

Yes

From: Stanford, Robert [mailto:robert.stanford@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 04:22 PM
To: Doll, Laura; Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Cc: Mann, Jesse <jesse.mann@cpuc.ca.gov>
Subject: RE: May 7 sypmosium

Hi Laura:

Sorry for not responding sooner. Is the Johnson Building the same building as 455 Golden Gate Building?

Robert

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 09, 2013 11:43 AM
To: Prosper, Terrie D.
Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Thanks all!
This will be important to nail down ahead of time.
I expect one or two videos and then possibly a couple PowerPoints.

And perhaps when people aren't PowerPointing you might want to leave up some cool CPUC slide with the name of the conference on it?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 09, 2013 11:39 AM
To: Doll, Laura

Cc: Stanford, Robert; Mann, Jesse
Subject: RE: May 7 sypmosium

Hi Laura,

I have no contacts over there. I'm looping in Robert and Jesse to see if they do.

Terrie

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 08, 2013 11:52 AM
To: Prosper, Terrie D.
Subject: FW: May 7 sypmosium

Do you have any experience with the AV crew at the Johnson building? Specifically, if we can get Hersman to do a video instead of coming out here, is anybody over there going to be able to make it work?

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 16, 2013 10:45 AM
To: Malashenko, Elizaveta I.; Doll, Laura
Subject: FW: CPUC Natural Gas Safety Symposium Invitation and Agenda

FYI

From: Franke, Sara [mailto:SFranke@semprautilities.com]
Sent: Tuesday, April 16, 2013 10:44 AM
To: Prosper, Terrie D.
Subject: RE: CPUC Natural Gas Safety Symposium Invitation and Agenda

Thank you so much for the invitation. Unfortunately, I will not be able to attend as I will be participating in a safety congress for my employees that is taking place at the same time.

Thanks again and I will look forward to following up with my colleagues who will be attending the Safety Symposium.

Sara

Sara Franke
Director, Pacific Region
Southern California Gas Company
(310) 605-7940 - office
(951) 642-1515 - cell
sfranke@semprautilities.com

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Thursday, April 04, 2013 6:17 PM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda

Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 16, 2013 12:27 PM
To: Malashenko, Elizaveta I.; Doll, Laura
Cc: Hagan, Jack (Brigadier General – CA)
Subject: RE: Dry run at Milton Marks Auditorium?

FYI, Andy Kotch from my office will attend the dry run to see where to place the media sign-in sheet, see if there's a place for reporters to plug into the sound feed, etc. He will also attend the first day (at least the beginning) to assist any reporters. Chris Chow from my office will attend the second day of the Symposium to do the same.

Terrie

----- Original Message -----
From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, April 15, 2013 09:09 PM
To: Doll, Laura
Cc: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>; Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Subject: Re: Dry run at Milton Marks Auditorium?

You should invite Robert Stanford instead of me. And perhaps the audio/visual folks from the Milton Marks auditorium. One of our Information Officers will definitely be in attendance, at least for the first part of each day, to assist any reporters who may show up. Do you think it would be beneficial for that person to attend this dry run with you?

On Apr 15, 2013, at 6:36 PM, "Doll, Laura" <LRDD@pge.com> wrote:

Thinking we should set some time for this?

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<meeting.ics>

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Harris, Frederick

From: Boothby, Kathie <KCB5@pge.com>
Sent: Wednesday, April 17, 2013 2:34 PM
To: 'tdp@cpuc.ca.gov'
Cc: Boothby, Kathie
Subject: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Terrie:

Sorry to bother you, I tried to cancel this reservation in the system but it wouldn't let me. Then I called your voice mail but it doesn't give an option (a name) of who I can contact in your absence so I'm sending you this email.

I wasn't aware that my boss already registered for the Safety Symposium in May and I went ahead and registered her again. Please cancel registration **CPUC10E164** for Linda Limberg of PG&E... but we need to make sure she stays on the RSVP list as she is attending both the symposium and dinner.

Thank you so very much!

Kathie Boothby
415-973-3162

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 2:36 PM
To: Rosenthal, Andrea
Cc: Doll, Laura
Subject: FW: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Andrea, can you please respond? This is a PG&E employee, fyi.
Thanks!

From: Boothby, Kathie [mailto:KCB5@pge.com]
Sent: Wednesday, April 17, 2013 2:34 PM
To: Prosper, Terrie D.
Cc: Boothby, Kathie
Subject: Duplicate Registration for the Safety Symposium on May 7th & 8th.

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Harris, Frederick

From: Rosenthal, Andrea <ADRG@pge.com>
Sent: Wednesday, April 17, 2013 4:02 PM
To: Prosper, Terrie D.
Cc: Doll, Laura; Boothby, Kathie
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Hi Terrie,

I have canceled **CPUC10E164** for Linda Limberg.

Her other registration CPUC10E106 remains and is still in the system.

Hi Kathie!

This has been taken care of.

Have a great day all!

Andrea

Andrea Rosenthal
Executive Communications
77 Beale Street, Rm. 2927B
San Francisco, CA 94105
(w) 415.973.1502
(cell) 415.238.4516
(fax) 415.973.9451

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 17, 2013 2:36 PM
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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 17, 2013 4:03 PM
To: Rosenthal, Andrea
Cc: Doll, Laura; Boothby, Kathie
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Thanks!

From: Rosenthal, Andrea [mailto:ADRG@pge.com]
Sent: Wednesday, April 17, 2013 4:02 PM
To: Prosper, Terrie D.
Cc: Doll, Laura; Boothby, Kathie
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 17, 2013 4:18 PM
To: Prosper, Terrie D.
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

So sorry you even have to THINK about this!

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 17, 2013 4:03 PM
To: Rosenthal, Andrea
Cc: Doll, Laura; Boothby, Kathie
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Thanks!

From: Rosenthal, Andrea [mailto:ADRG@pge.com]
Sent: Wednesday, April 17, 2013 4:02 PM
To: Prosper, Terrie D.
Cc: Doll, Laura; Boothby, Kathie
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

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From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 17, 2013 2:36 PM
To: Rosenthal, Andrea
Cc: Doll, Laura
Subject: FW: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Andrea, can you please respond? This is a PG&E employee, fyi.
Thanks!

From: Boothby, Kathie [mailto:KCB5@pge.com]
Sent: Wednesday, April 17, 2013 2:34 PM
To: Prosper, Terrie D.
Cc: Boothby, Kathie
Subject: Duplicate Registration for the Safety Symposium on May 7th & 8th.

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Harris, Frederick

From: Boothby, Kathie <KCB5@pge.com>
Sent: Thursday, April 18, 2013 10:03 AM
To: 'Prosper, Terrie D.'; Rosenthal, Andrea
Cc: Doll, Laura; Zebrowski, Melissa
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Thanks everyone!!

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 17, 2013 4:03 PM
To: Rosenthal, Andrea
Cc: Doll, Laura; Boothby, Kathie
Subject: RE: Duplicate Registration for the Safety Symposium on May 7th & 8th.

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Sent: Wednesday, April 17, 2013 4:02 PM
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From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
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To: Rosenthal, Andrea

Cc: Doll, Laura
Subject: FW: Duplicate Registration for the Safety Symposium on May 7th & 8th.

Andrea, can you please respond? This is a PG&E employee, fyi.
Thanks!

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Sent: Wednesday, April 17, 2013 2:34 PM
To: Prosper, Terrie D.
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Harris, Frederick

From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Thursday, April 18, 2013 10:33 AM
To: 'LRDD@pge.com'
Subject: Re: Symposium prep?

Do you have a meeting?

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 03:11 PM Pacific Standard Time
To: Brown, Carol A.
Subject: Symposium prep?

Carol
Do you want to get together or just have a phone call to talk about Mike's potential remarks at the Safety Symposium on May 7? I know that Hagan is out all next week. I'm attaching the agenda, and can walk you through how I think that part of the afternoon will work. Maybe 15 minutes would do it?

I can't recall when you are leaving but I want to be sure to make it happen before you do!

Also Mike needs to get registered (link in Hagan's letter) and indicate whether he will go to the dinner Tuesday night.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 18, 2013 10:46 AM
To: carol.brown@cpuc.ca.gov
Subject: Re: Symposium prep?

No

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, April 18, 2013 10:32 AM
To: Doll, Laura
Subject: Re: Symposium prep?

Do you have a meeting?

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 03:11 PM Pacific Standard Time
To: Brown, Carol A.
Subject: Symposium prep?

Carol
Do you want to get together or just have a phone call to talk about Mike's potential remarks at the Safety Symposium on May 7? I know that Hagan is out all next week. I'm attaching the agenda, and can walk you through how I think that part of the afternoon will work. Maybe 15 minutes would do it?

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Harris, Frederick

From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Thursday, April 18, 2013 10:56 AM
To: 'LRDD@pge.com'
Subject: Re: Symposium prep?

I will talk with him today and get back to you

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Thursday, April 18, 2013 10:45 AM Pacific Standard Time
To: Brown, Carol A.
Subject: Re: Symposium prep?

No

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, April 18, 2013 10:32 AM
To: Doll, Laura
Subject: Re: Symposium prep?

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 18, 2013 11:07 AM
To: carol.brown@cpuc.ca.gov
Subject: Re: Symposium prep?

It may be that Hagan will want to handle the briefing with Mike.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, April 18, 2013 10:55 AM
To: Doll, Laura
Subject: Re: Symposium prep?

I will talk with him today and get back to you

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Thursday, April 18, 2013 10:45 AM Pacific Standard Time
To: Brown, Carol A.
Subject: Re: Symposium prep?

No

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To: Doll, Laura
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Harris, Frederick

From: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Sent: Thursday, April 18, 2013 11:27 AM
To: 'LRDD@pge.com'
Subject: Re: Symposium prep?

You might be right. I will send the General a note and see if I can be involved!

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Thursday, April 18, 2013 11:06 AM Pacific Standard Time
To: Brown, Carol A.
Subject: Re: Symposium prep?

It may be that Hagan will want to handle the briefing with Mike.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, April 18, 2013 10:55 AM
To: Doll, Laura
Subject: Re: Symposium prep?

I will talk with him today and get back to you

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Thursday, April 18, 2013 10:45 AM Pacific Standard Time
To: Brown, Carol A.
Subject: Re: Symposium prep?

No

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, April 18, 2013 10:32 AM
To: Doll, Laura
Subject: Re: Symposium prep?

Do you have a meeting?

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 12, 2013 03:11 PM Pacific Standard Time
To: Brown, Carol A.
Subject: Symposium prep?

Carol
Do you want to get together or just have a phone call to talk about Mike's potential remarks at the Safety Symposium on May 7? I know that Hagan is out all next week. I'm attaching the agenda, and can walk you through how I think that part of the afternoon will work. Maybe 15 minutes would do it?

I can't recall when you are leaving but I want to be sure to make it happen before you do!

Also Mike needs to get registered (link in Hagan's letter) and indicate whether he will go to the dinner Tuesday night.

Thanks
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Thursday, April 18, 2013 11:32 AM
To: carol.brown@cpuc.ca.gov
Subject: Re: Symposium prep?

That would be great.
Thanks

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, April 18, 2013 11:26 AM
To: Doll, Laura
Subject: Re: Symposium prep?

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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Sent: Friday, April 19, 2013 7:56 AM
To: debbie.hersman@ntsb.gov
Cc: ejhagan@sbcglobal.net

Chairman Hersman,

Thank you for taking time from you very busy schedule to meet with me yesterday. I really appreciated it. I enjoyed meeting Jackson. He is quite delightful young man.

I have gotten some feedback from my symposium coordinators, that the NTSB video crew indicated they were going to be able to do the video of you for the symposium. I don't know why. I hope that is not true, because your presentation however brief it maybe will be value added to what we are trying to accomplish. So, I hope you will be able to find time to do it for us.

Look forward to seeing you in California in August and thank you for sharing some of your valuable time with me.

Warm regards,

Jack

Brigadier General (CA) Emory J. Hagan, III
Director
Safety and Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(916) 267-7201 Mobile
ejh@cpuc.ca.gov
"No one dies on my watch!"
"No better friend - no worse enemy!"
Effective 1 Jan 2013, Consumer Protection and Safety Division (PCSD) will become the "Safety and Enforcement Division" (SED)

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Friday, April 19, 2013 5:31 PM
To: Doll, Laura
Cc: Kotch, Andrew
Subject: RE: Dry run at Milton Marks Auditorium?

Are you still in the office? I can call you re: press at the Symposium, if so. If not, call me on Monday.

Here's who to invite to the run-through aside from Jack and Liza (I don't know if Jack/Liza will be inviting others):

robert.stanford@cpuc.ca.gov

andrew.kotch@cpuc.ca.gov

-----Original Message-----
From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Friday, April 19, 2013 10:11 AM
To: Prosper, Terrie D.
Subject: RE: Dry run at Milton Marks Auditorium?

Can you give me the emails of the folks you think should come to this so I can just invite them?
Thanks!

-----Original Message-----
From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, April 15, 2013 9:09 PM
To: Doll, Laura
Cc: Malashenko, Elizaveta I.; Hagan, Jack (Brigadier General - CA)
Subject: Re: Dry run at Milton Marks Auditorium?

You should invite Robert Stanford instead of me. And perhaps the audio/visual folks from the Milton Marks auditorium. One of our Information Officers will definitely be in attendance, at least for the first part of each day, to assist any reporters who may show up. Do you think it would be beneficial for that person to attend this dry run with you?

On Apr 15, 2013, at 6:36 PM, "Doll, Laura" <LRDD@pge.com> wrote:

Thinking we should set some time for this?

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<meeting.ics>

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Friday, April 19, 2013 7:28 PM
To: terrie.prosper@cpuc.ca.gov
Subject: Re: Dry run at Milton Marks Auditorium?

Thank you!
I'm in sacto. Will send invite tmrw.

----- Original Message -----
From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Friday, April 19, 2013 05:31 PM
To: Doll, Laura
Cc: Kotch, Andrew <andrew.kotch@cpuc.ca.gov>
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Saturday, April 20, 2013 12:42 PM
To: emory.hagan@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov; Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Cc: Yura, Jane; Rosenthal, Andrea; Doll, Laura
Subject: Symposium progress documents
Attachments: Symposium Checklist 042013.docx; AV and other requirements for Milton Marks Auditorium.docx; Notes on Safety Symposium Discussion Themes041513.docx; SPEAKER LIST.docx

Here are some new and updated documents for your review.

1. A draft "to do" list for us all.
2. A draft AV/Milton Marks list so that we can nail this down and get it officially requested next week.
3. An updated "Notes" writeup that now reflects that we have Susan Kennedy for Panel 1, and a new Alaska Air person.
4. A "directory" of speakers with contact info.

I will get Terrie a list shortly, hopefully our final, of changes to the posted Agenda so that we can get that reposted on the website next week.

As of yesterday we had 67 registrants, and that seems good for now. I'm sure we'll get some more.

Laura

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2013 Safety Symposium Checklist

TASK	LEAD PERSON	DEADLINE	COMMENTS
Marks Facility setup • Provide AV requirements • Provide panel set-up preferences • Dry run/walkthrough	 Malashenko Malashenko Malashenko/Hagan/Doll/ Yura/CPUC AV team	 April 26 5/6,11am	 Need to arrange with MMA staff
On-site support (Day-of) • Staffing of registration tables • Name tag prep (both days) • Registration list prep & sign-in • Welcome poster (s) • Welcome PowerPoint Slide • Refreshments, coffee, tea, water ("honor system") • Auditorium staffing: mikes, panel support, e.g., PPTs • Security • Media	 Malashenko Doll/Rosenthal Doll/Rosenthal Prosper Prosper Rosenthal/CPUC Malashenko ? Prosper	May 7	 Designate by 5/1 Rosenthal ordered; CPUC to staff day-of
Panel Preparation Panel 1 Panel 2 Panel 3 Publish final agenda	 Goeltz: coordinator **Kennedy:moderator** Chipkevich:coordinator **Ashford: moderator** Scott/Doll: coordinator **Clanon: moderator** Prosper	 May 1 May 6	Hagan to communicate with all moderators in advance
Other coordination • Peevey • Sullenberger • Media	 Hagan Doll Prosper		
Marines Facility setup • Provide AV requirements • Confirm count • Staff event: name tags; Seating assignments	 Rosenthal Doll Rosenthal/CPUC? Doll/Yura/Hagan	 April 24 May 1 May 7 May 6	
Videos • Governor • Hersman • Sullenberger	 Hagan Goeltz Doll	May 3	
Other Monday night dinner Speaker travel logistics	 Hagan/Earley/Doll Doll	 May 6 May 1	

Notes on Safety Symposium Discussion Themes

4.20.13 draft

Day 1

Hagan welcome

- Excited about the first of these; emcee
- Intent of "Forging a New Vision of Safety in CA"
- Structure of program over two days
- Governor video?

Hersman video

- Hagan introduces her?
- National safety perspective from NTSB: pipelines are critical
- She is pleased about CA's approach to safety as a *shared responsibility*

Peevey remarks

- Hagan introduces?
- Personal experience with energy crisis etc., but now safety has moved to the forefront of regulation in CA
- Challenges: limited CPUC resources, utility resources; low consumer confidence, high fear; Commission must balance new approach to safety with affordability
- But we have to make it work and can only do so together; agrees with Hersman

Panel 1: Building a Climate and Culture of Safety

- Moderator: Susan Kennedy, former Chief of Staff to Governor Schwarzenneger and former CPUC Commissioner
- Dana Floyd, Director, Flight Safety, Alaska Air Group
- Captain Jody Bridges, USN, Director, School of Aviation Safety, Pensacola, FL
- Robert C. Figlock, President, Advanced Survey Design, LLC
- Paul Levy, former Chair of the MA Dept of Public Utilities and former CEO of Beth Israel Deaconess Medical Center
- Nick Stavropoulos, Executive VP, Gas Operations, PG&E

Panel 1 Questions

- What is climate?

- What is corporate culture?
- How do climate and culture affect safety in an organization?
- Who sets the climate and culture in the organization?
- Who is the "real" Safety Officer in an organization?
- How does a two-track investigation system work? One investigation is only about safety and is privileged information that is walled off from the punitive investigation.

Dinner

Sullenberger introduction by Assembly Member Joan Buchanan (represents Danville, where Captain Sully lives)

Who introduces Buchanan?

Day 2

Hagan welcome and introduction of Elizabeth Ashford

Panel 2: Effectively Managing Pipeline Emergency Response

- Moderator: Elizabeth Ashford, former Deputy Press Secretary for Governor Jerry Brown
- Jerry Schmitz, Vice President, Engineering, SouthWest Gas
- Joanne Hayes-White, Chief, San Francisco Fire Department
- Tim Butters, Deputy Administrator, PHMSA
- Carl Weimer, Executive Director, Pipeline Safety Trust

Panel 2 Questions/Topics

- How do you handle the first press conference of an incident in the area where there has been a death and/or serious injury?

- Elements that make a response to a gas pipeline emergency successful.
- Preparing for gas emergencies: the importance of preparing before a gas pipeline emergency; how planning, establishing professional working relationships, and developing good communications between pipeline operators and emergency responders before an accident can improve the timeliness and effectiveness of responses.
- Training and exercises: the importance of training and joint exercises - and how these activities can improve the effectiveness of responses to events.
- Knowledge of gas systems: the importance of accurate pipeline system maps, including pipe size, normal operating pressure ranges, characteristics such as transmission or distribution lines, and the location of valves that can be used to isolate a failed section.

- Timely responses to reported gas leaks and odors
- Public safety at an incident site- effectively evaluating conditions on scene; assessing potential gas migration paths and measuring gas levels at critical locations; and timely determining evacuation needs.
- Timely isolating gas leaks: importance of having a system capable of quickly identifying a failure location, having adequate valves at appropriate locations to isolate a failed section, and having remote or automatic shut-off valves to improve the timeliness of stopping the flow of gas.
- Public education: educating the public to report gas leaks and odors and on the appropriate actions to take such as when to evacuate a building; educating contractors to immediately report to 911 any damage to a pipeline that results in a release of gas and also to promptly report to a pipeline operator any strike or damage to a pipeline that may not result in an immediate release.

Panel 3: Safety Leadership: What does the Commission need from industry and what does industry need from the Commission to improve public safety in California?

- Moderator: Paul Clanon, Executive Director, California Public Utilities Commission
- Commissioner Mike Florio, CA PUC
- Commissioner Paul Roberti, Rhode Island PUC
- Chris Johns, President, PG&E
- Dennis Arriola, President and Chief Operating Officer, Southern California Gas Co.

Panel 3 Questions

- How specifically can the Commission and the utilities improve their working relationships in the interest of public safety for gas operations in California?
- From your perspective how can the companies do a better job of meeting regulator needs and what are the barriers to doing so?
- From your perspective how can the Commission and its staff do a better job of communicating what they need, why and by when to the companies?
- From your perspective, what constitutes "safe enough" as it relates to the public safety performance of a gas utility?
- Is public safety really a responsibility that is shared by both the regulated companies and the regulators?
- How can the public safety performance of the gas utilities in California be measured and communicated effectively to the public in a way that crystalizes their understanding of the risks inherent to operations and the company's performance to mitigate those risks?

Concluding Remarks by Peevey (?) and Hagan

AV and other requirements for Milton Marks Auditorium

Podium with microphone – fixed AND lavolier?

Ability to show DVDs

Ability to show PowerPoint presentations

Lavolier mikes for panelists – need 6 for Panel 1, 5 for Panels 2 & 3

Roaming microphones – 2?

Panel setup – comfortable chairs vs people sitting at tables?

Who manages room temp?

Lighting?

Any special safety info we need to convey?

SPEAKER LIST
May 7-8 CPUC Safety Symposium

	Name	confirmed	Organization	Title	email address		
Day 1:							
Keynote							
1	Deborah P. Hersman		NTSB	Chairman (by video)	thomas.zoeller@ntsb.gov	Exec officer and communications director	202.314.6690
2	Michael R. Peevey	x	CPUC	President	carol.brown@cpuc.ca.gov	415.703.2971	
Panel 1: Defining a Climate and Culture of Safety -- what it really means					spkennedy4@aol.com		
Moderator: Susan Kennedy, former CPUC Commissioner and former Chief of Staff to Gov Arnold Schwarzenegger							
1	Dana Floyd	x	Alaska Airlines	Director, Flight Safety, Alaska Air Group	dana.floyd@alaskaair.com		
2	Captain Jody Bridges		US Navy	Director, School of Aviation Safety	jody.g.bridges@navy.mil	850.452.5134	david.ivezic@navy.mil
3	Robert Figlock		Advanced Survey Design	President	RFiglock@AdvancedSurveyDesign.com	831.641.9700	
4	Paul Levy		Medical/Regulatory	Author, former Chairman Mass. Public Utilities	plevy0808@gmail.com	617.969.1985	
5	Nick Stavropoulos		PG&E	Executive Vice President, Gas Operations	N1SL@pge.com	415.223.2020	

CPUC03656

Peter Goelz will coordinate questions for speakers stacey.tunteri@pge.com

Dinner Speaker

1	Captain Sully Sullenberger Introduction by Assembly member Joan Buchanan	Consultant	Former USAir Captain (Miracle on the Hudson)	cbsull3@gmail.com		cbsull3@gmail.com

Day 2:

Panel 2: Elements of an Effective Pipeline Emergency Response

Moderator: Elizabeth Ashford, former Chief Press Secretary, Office of Governor Jerry Brown eashford@gmail.com 415529 0143

1	Joanne Hayes-White	SFFD	Chief	fireadministration@sfgov.org	415.558.3401	Ken Alves, Office of Chief
2	Jerry Schmitz	SouthWest Gas	Vice President, Engineering	Jerry.Schmitz@swgas.com		
3	Tim Butters	PHMSA	Deputy Administrator	tim.butters@dot.gov		
4	Carl Weimer	Pipeline Safety Trust	Executive Director	carl@pstrust.org	360.543.5686	

Bob Chipkevich will coordinate questions for speakers

Panel 3: Safety Leadership: What does the Commission need from industry and what does industry need from the Commission to improve public safety in California?

Moderator: Paul Clanon, Executive Director CPUC Clanon, Paul <paul.clanon@cpuc.ca.gov

1	Mike Florio	CPUC	Commissioner	mf1@cpuc.ca.gov	
2	Paul Roberti	Rhode Island Public Utilities Commission	Commissioner	proberti@puc.state.ri.us	89 Jefferson Blvd, Warwick, RI 02888; 401.780.2101
3	Chris Johns	PG&E	President	cpj2@pge.com	
4	Dennis Arriola	SoCal Gas	President, CEO	Darriola@semprautilities.com	

CPUC03657

Bill Scott will coordinate questions for speakers

Closing

Michael R. Peevey	**CPUC**	**President**		
General Hagan	CPUC	Director, Safety & Enforcement Division	emory.hagan@cpuc.ca.gov	415.703.2349

CPUC03658

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Saturday, April 20, 2013 2:32 PM
To: Clanon, Paul (paul.clanon@cpuc.ca.gov); emory.hagan@cpuc.ca.gov; elizaveta.malashenko@cpuc.ca.gov
Subject: in your spare time
Attachments: CPUCSafetySymposium.pdf

In going over the registration list for the symposium (now at 67) I note a few serious omissions.

Please register online so we can get an accurate count. Yes, even though you are a panel moderator or an SED deputy, or you are emceeing the whole event, and we all know you'll be there. We have our rules, oh yes we do.

Also indicate whether you will be able to attend the dinner. I'm currently estimating the cost at $75 per person; will try to make it less for those who don't drink wine.

Do you think Frank might come too?

Here are the current CPUC registrants:
Traci Bone
Phil Enis
Loreen McMahon
Karen Miller
Ed Randolph
Lynn Sadler
Linda Serizawa (DRA)
Richard White

Just click on the embedded link in the attached letter and put in your info – takes 2 minutes max!

Thanks!

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STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission

California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

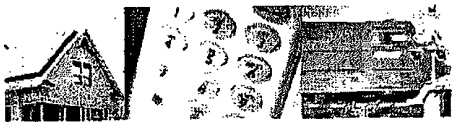
Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**



3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety**
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*
	Robert C. Figlock, *President, Advanced Survey Design, LLC*
	Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*
	Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner**
	Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response**
	Moderator: TBD
	Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*
	Joanne Hayes-White, *Chief, San Francisco Fire Department*
	Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*
	Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**
	Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*
	Commissioner Mike Florio, *California Public Utilities Commission*
	Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*
	Chris Johns, President, *Pacific Gas and Electric Company*
	Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks**
	President Michael R. Peevey, *California Public Utilities Commission*
	Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Monday, April 22, 2013 10:39 AM
To: Prosper, Terrie D.
Subject: CPUC Natural Gas Safety Symposium Invitation and Agenda
Attachments: CPUCSafetySymposium.pdf

Hello,

Attached please find an invitation to a Natural Gas Safety Symposium from Brigadier General (CA) Jack Hagan, Director of the California Public Utilities Commission's Safety and Enforcement Division.

The Symposium, titled *Forging a New Vision of Safety in California*, is May 7-8, 2013, in San Francisco. The attached letter of invitation and agenda provide more information, including how to register.

Thank you, and please let me know if you have any questions.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook I Twitter I www.cpuc.ca.gov

STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

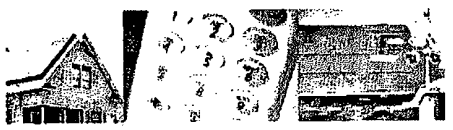
This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission



California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**

3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD TBD, Alaska Airlines Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC* Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center* Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner** Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response** Moderator: TBD Jerry Schmitz, *Vice President, Engineering, SouthWest Gas* Joanne Hayes-White, *Chief, San Francisco Fire Department* Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration* Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?** Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission* Commissioner Mike Florio, *California Public Utilities Commission* Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission* Chris Johns, President, *Pacific Gas and Electric Company* Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks** President Michael R. Peevey, *California Public Utilities Commission* Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Monday, April 22, 2013 10:52 AM
To: Doll, Laura
Subject: RE: Agenda changes - to your most recent version
Attachments: Agenda for Safety Symposium_v5.pdf

I don't understand the time changes in number 3. Can you tell me what the old times are? Peevey is only on the agenda on day 2 at noon and the event ends at 12:30, so I don't know when he is speaking at 2 p.m....

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 22, 2013 10:20 AM
To: Prosper, Terrie D.
Cc: Doll, Laura
Subject: Agenda changes - to your most recent version

1. On this version, perhaps put **Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave.** at the top of the page, below the date? And then take out the highlights of Hersman and Sullenberger and just have them in the agenda??
   In other words, just have this be THE AGENDA, without the intro bullets.
   And take off the 4:45 reference as I expect we are really ending at 5:00. (with any luck!!)

2. Add VIDEO MESSAGE (or whatever wording you like) to Hersman's Keynote.

3. Change times as follows:
   a. Hersman at 1:45
   b. Peevey at 2:15
   c. Break from 2:45 – 3:00
   d. Panel 1 at 3:00
4. Panel 1
   a. Moderator: Susan Kennedy, former Chief of Staff to Governor Arnold Schwarzenegger and former Commissioner, California Public Utilities Commission (?? Sound right?)
   b. Replace Kemp with: Dana Floyd, Director, Flight Safety, Alaska Airlines Group
5. Add to Evening Event: (Optional **By Reservation Only – *MUST REGISTER BY MAY 1)*** Does that sound ok??
6. Add to Evening Keynote: Introduction by Assembly Member Joan Buchanan (D-Alamo)
7. Panel 2
   a. Add Moderator: Elizabeth Ashford, former Chief Press Secretary, Office of Governor Jerry Brown
   Make Jerry Schmitz's company: **Southwest Gas Corp.**

That's it for now!

Thank you so so so much.

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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California Public Utilities Commission

Forging a New Vision of Safety in California Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

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Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

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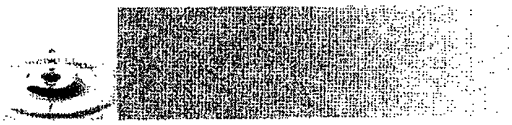
3:15 – 3:30	**Break**
3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: TBD



Tom Kemp, *Director of Operations and Managing Director, Fleet, Standards, and Operational Control, Alaska Airlines*

Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*

Robert C. Figlock, *President, Advanced Survey Design, LLC*

Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*

Nick Stavropoulos, *Executive Vice President, Gas Operations, Pacific Gas and Electric Company*

5 p.m. **Adjourn**

Evening Event (Optional)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: TBD

Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Safety Leadership – What Does the CPUC Need from Industry and What Does Industry Need From the CPUC to Improve Public Safety in California?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, *President, Pacific Gas and Electric Company*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 22, 2013 2:51 PM
To: Hagan, Jack (Brigadier General – CA)
Cc: Pete, Aaron (aaron.pete@cpuc.ca.gov)
Subject: RE: Meeting with Laura Doll Re: CPUC Symposium

Aaron
This meeting is no longer needed. Thanks!

-----Original Appointment-----
From: Hagan, Jack (Brigadier General – CA) [mailto:emory.hagan@cpuc.ca.gov]
Sent: Monday, April 15, 2013 1:17 PM
To: Hagan, Jack (Brigadier General – CA); Doll, Laura; 'The General'
Subject: Meeting with Laura Doll Re: CPUC Symposium
When: Tuesday, April 23, 2013 9:00 AM-10:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: 455 Golden Gate Avenue, Room 7412, BG Hagan's Office

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Monday, April 22, 2013 2:51 PM
To: Hagan, Jack (Brigadier General – CA)
Subject: Declined: Meeting with Laura Doll Re: CPUC Symposium

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Harris, Frederick

From: Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Monday, April 22, 2013 2:53 PM
To: Doll, Laura
Cc: Hagan, Jack (Brigadier General – CA)
Subject: RE: Meeting with Laura Doll Re: CPUC Symposium

Ok, got it Laura.

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 22, 2013 2:51 PM
To: Hagan, Jack (Brigadier General – CA)
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Harris, Frederick

From: Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov> on behalf of Pete, Aaron <aaron.pete@cpuc.ca.gov>
Sent: Monday, April 22, 2013 2:53 PM
To: 'LRDD@pge.com'; 'The General'
Subject: Canceled: Meeting with Laura Doll Re: CPUC Symposium

Importance: High

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Monday, April 22, 2013 5:03 PM
To: 'Ip, Cyrus'; Stanford, Robert
Cc: 'Laura Doll (LRDD@pge.com)'; Pete, Aaron
Subject: AV Equipment for Safety Symposium

Cyprus and Robert,

There recently was a string of e-mails on audio/visual equipment for the Safety Symposium May 7th and 8th. I want to make sure that we are on track with getting everything set-up and that you have what you need. Here is a draft list of requirements that we have:

- Podium with microphone – fixed AND lavalier?
- Ability to show DVDs
- Ability to show PowerPoint presentations
- Lavalier mikes for panelists (6 mikes on a panel)
- Roaming microphones – at least 2

In addition, we have a few questions about who manages the following:

- Panel setup – comfortable chairs vs people sitting at tables?
- Who manages room temp?
- Lighting?
- Any special safety info we need to convey?

Also, we are planning to have a "dry run" on May 6th. We'll need to have some AV support to make sure that everything is functioning properly. Please let us know what we need to do to get all the details finalized.

Kind Regards,

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: Stanford, Robert <robert.stanford@cpuc.ca.gov>
Sent: Monday, April 22, 2013 5:20 PM
To: Malashenko, Elizaveta I.; 'Ip, Cyrus'
Cc: 'Laura Doll (LRDD@pge.com)'; Pete, Aaron
Subject: MAY 07 2013 - MAY 08 2013 - AV Equipment for Safety Symposium

Cyrus:

If you have any of these items, please let me know at your earliest convenience.

Robert

From: Malashenko, Elizaveta I.
Sent: Monday, April 22, 2013 5:03 PM
To: 'Ip, Cyrus'; Stanford, Robert
Cc: 'Laura Doll (LRDD@pge.com)'; Pete, Aaron
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Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability

Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: ConferenceCenter <ConferenceCenter@jud.ca.gov>
Sent: Tuesday, April 23, 2013 9:27 AM
To: Ip, Cyrus; Malashenko, Elizaveta I.; Stanford, Robert
Cc: 'Laura Doll (LRDD@pge.com)'; Pete, Aaron
Subject: RE: AV Equipment for Safety Symposium
Attachments: MMCC.doc

My apologies, the safety document (pg 7) mentioned did not attach. Here it is.

Thank you,

Joe Glavin
Conference Center Coordinator
Conference Center Support Services/Center for Judiciary Education and Research (CJER)
Judicial Council of California - Administrative Office of the Courts
415-865-8995, Fax 415-865-4205, joseph.glavin@jud.ca.gov
www.courts.ca.gov

From: Ip, Cyrus
Sent: Tuesday, April 23, 2013 8:54 AM
To: Malashenko, Elizaveta I.; Stanford, Robert
Cc: 'Laura Doll (LRDD@pge.com)'; Pete, Aaron; ConferenceCenter
Subject: RE: AV Equipment for Safety Symposium

Hello,
I can address the AV question below, and let conference center staff answer any remaining questions.
Thanks.

Cyrus Ip
Senior AV / Video Technician
Center for Judiciary Education and Research (CJER)
Judicial and Court Operations Services Division
Judicial Council of California - Administrative Office of the Courts
455 Golden Gate Avenue, 6th Floor
San Francisco, CA 94102-3688
415-865-7774

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Monday, April 22, 2013 5:03 PM
To: Ip, Cyrus; Stanford, Robert
Cc: 'Laura Doll (LRDD@pge.com)'; Pete, Aaron
Subject: AV Equipment for Safety Symposium

Cyrus and Robert,

There recently was a string of e-mails on audio/visual equipment for the Safety Symposium May 7th and 8th. I want to make sure that we are on track with getting everything set-up and that you have what you need. Here is a draft list of requirements that we have:

- Podium with microphone – fixed AND lavalier? – Yes, we will provide a podium wired microphone & wireless lavalier microphone,
- Ability to show DVDs – Yes, there will be access to a DVD player in the Auditorium connected to the house projector.
- Ability to show PowerPoint presentations – Yes, we can help connect your laptop to the projector.
- Lavalier mikes for panelists (6 mikes on a panel) - No, the panelists microphones will need to be wired table top microphones. Usually one per every two panelists. Please let us know how many they have.
- Roaming microphones – at least 2 – No, we only have one wireless handheld microphone available.

In addition, we have a few questions about who manages the following:

- Panel setup – comfortable chairs vs people sitting at tables?
- Who manages room temp?
- Lighting?
- Any special safety info we need to convey?

Also, we are planning to have a "dry run" on May 6th. We'll need to have some AV support to make sure that everything is functioning properly. Please let us know what we need to do to get all the details finalized.

Kind Regards,

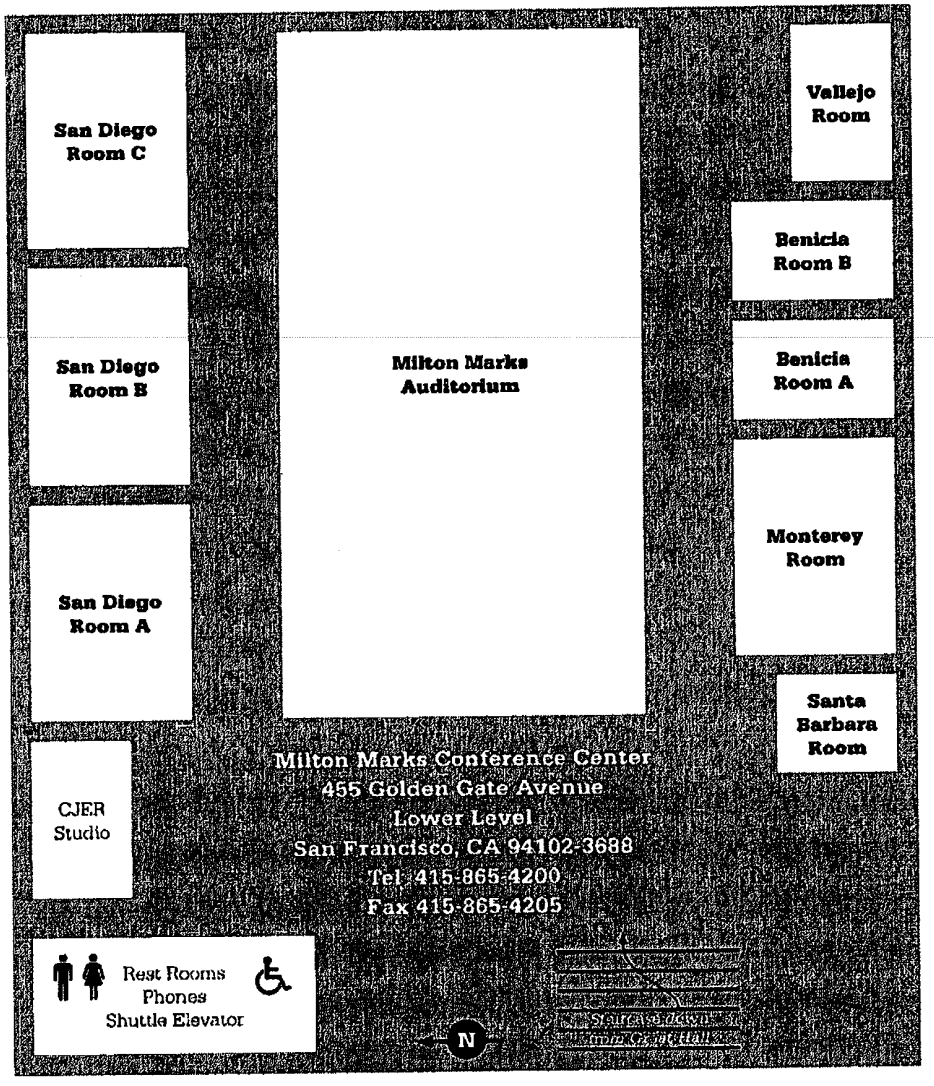
Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

Milton Marks
Conference Center and Great Hall

Rates, Rules, Policies, and Procedures

(Conference Center Manual)



The Milton Marks Conference Center and the area known as the Great Hall are managed by the Administrative Office of the Courts to serve the needs of the tenants of the Hiram W. Johnson State Office Building and other state agencies. When possible, and for a rental fee, the facilities are made available for use by other eligible groups.

The conference center may never be used for commercial purposes.

Eligible Groups: Rent-free *(Official business of the state)*

- Building tenants (including tenant employee associations);
- California state agencies;
- Political party central committees designated by the California Elections Code

Eligible Groups: Rental and Service Fees apply *(Not official business of the state)*

- Local and federal government agencies;
- Nonprofit groups (e.g. blood banks, the American Cancer Society) or other groups that provide a benefit to the tenants in the building or to the community immediately surrounding the building; and
- Non-profit sponsored events:
  - These sponsored events are worthwhile activities conducted with the approval of a building tenant (sponsor), but are not official business of the State of California, conducted by state employees. In sponsoring a non-profit group's use of the conference center, the sponsor must authorize, in writing, the use of state space and resources for the specific event.

Reservations

Reservations by tenants, other state agencies, and sponsored groups are on a first-come, first-served basis with preference given to building tenants.
All other reservations, while also on a first-come, first-serve basis

- May use the Conference Center only during normal business hours (7:30 am – 5:30 pm, Monday through Friday). The conference center is closed to all users on the weekends.
- Cannot be requested more than 30 days before the event date.
- May not request any portion of the Conference Center for more than two consecutive days.

Reservations are placed with the AOC by calling or e-mailing the conference center at 415-865-7840 or ConferenceCenter@jud.ca.gov. A reservation form is attached. The requester must complete and return the form to the conference center.

Management will assign conference space to best meet the needs of all users, and has the right to reassign space or cancel a reservation, as necessary.

Due to the volume of requests received, we are unable to reserve or hold a room without the submission (and subsequent confirmation) of a reservation form.

All room requests are tentative and subject to change until official written confirmation from conference center staff.

Rental Fees and After-Hours Service Fees

Rental Fees:
Effective January 1, 2008, rental fees are as follows in minimum four hour increments:

Room		Rate (Hrs/$$)
Great Hall		0-4 hrs/$375 4-8 hrs/$750
Auditorium		0-4 hrs/$500 4-8 hrs/$920
San Diego Rm. A		$250 $400
San Diego Rm. B		$250 $400
San Diego Rm. C		$250 $400
2 San Diego Rooms Connected		$400 $700
3 San Diego Rooms - Connected		$500 $900
Monterey Rm.		$300 $440
Benicia Rm. A		$150 $220
Benicia Rm. B		$150 $220
Benicia Rm. A/B		$300 $440
Vallejo Rm.		$100 $180
Santa Barbara Rm.		$250 $400

After-hours service fee: Except for tenants, all users eligible to use the conference center after-hours will be charged appropriate service fees for after-hours activities. "After-hours" is defined as before 7:30 a.m. and after 5:30 p.m. Monday through Friday. The Milton Marks Conference Center is not open on weekends (Saturdays or Sundays). Potential fees include energy use, janitorial services, and security costs.

The energy use fee is $22.00 an hour;

The janitorial service fee is a minimum four-hour charge of $212.68 plus $53.17 for every hour or portion thereof after four hours.

Security fees are determined by and paid to Securitas Security Services and/or the California Highway Patrol (CHP) as described in the security section of this document.

Fee Payment Process

- Conference center staff will inform the requester of any rental or services fee due.
- Rental and service fees must be paid by check or money order no later than five working days before the event;
- A check or money order made payable to "State of California" must be given to the conference center staff, who will forward it to the building manager.
- If the payment is not received on time, the customer will be given notice via e-mail, that the reservation has been withdrawn for canceled.

Important After-hours Information:

- **The event organizer/sponsor is required to arrive half an hour before the start of the event and bring all letters and permits with you and check-in with the guard on duty. Your attendees will not be allowed to enter the building and your event will not be allowed to begin until this happens.**

- **A State employee must be present for the entirety of all after-hours events; this includes both official State business functions as well as sponsored events.**

Permits

Events conducted in or around the building, or the adjoining Earl Warren State Office Building, which is located at 350 McAllister Street, San Francisco, CA 94102, may require a Permit for Activity on State property from the CHP.

- State agencies conducting state business in or on any portion of these state properties are not required to submit permit applications except under any of the following circumstances:
  - Alcohol will be served;
  - The event is open to the public;
  - More than 150 attendees are expected;
  - The event will be held outside of normal business hours.
- All other agencies, even if sponsored by a building tenant, are required to submit a permit application.
- A permit application, with instructions, is attached and must be completed and submitted to the designated CHP office no later than 10 business days before the event.
- Notification of approval or denial of the permit application will be sent by the CHP to the requestor, the building manager, and the conference center coordinator.

Insurance/Insurance Waiver:

- All state agencies may make reservations without a certificate of insurance. However, each reservation is made with the specific agreement that the agency making the reservation assumes liability for damage to the facility or injuries resulting from their activities.
- Non-state agencies wishing to use the conference center must submit a certificate of insurance one week before their scheduled event. The minimum amount of commercial general liability insurance required is $1 million per occurrence.
- All non-state agencies must additionally agree in writing to indemnify the state against all claims for injury or loss resulting from their activities on state property.
- The requirement for a certificate of insurance will be waived for non-state agencies sponsored by a building tenant if the sponsoring building tenant stipulates in the reservation form that it is assuming all liability for the event.

Security

- Some events may require additional security, the cost of which is the responsibility of the agency using the facility, as are any associated costs.
- All events held outside of normal business hours require additional security.
- Events open to individuals who are not state employees may require additional security. An event for up to 50 persons requires one security officers. Normally, for each 50 additional attendees, one additional security officer is required.

- Agencies responsible for events held outside normal business hours or in some instances, events open to non-state employees must contract directly with Securitas Security Services for the required additional security service. Securitas Security Services requires payment in advance for all agencies and persons who have not established credit accounts with them prior to the scheduled event. The Securitas Security Services on-site manager may be contacted as follows:

  James Ward
  Securitas Security Account Manager
  415-355-5462
  james.ward@dgs.ca.gov

- Events at which alcohol is served also may require the presence of the CHP. The agency sponsoring such an event is responsible for direct payment to the CHP for any required security services.

Conference center staff, in consultation with the CHP and Securitas Security Services, reserves the right to determine when additional security is required for circumstances not addressed or anticipated in this manual.

Please Note: All events which take place after-hours must be scheduled with Securitas Security Services in advance and approved by the CHP. Arrangements must be made to specify the time and point of entry as well as use of the loading dock. There will be no entry to the building without making these arraignments in advance. The event organizer and/or sponsor are required to arrive half an hour before the start of the event and must bring all letters and permits to the event at that time.

Room Setup

- Conference center staff will provide the following room setup for the conference center:
  - Setting up of all tables and chairs to a mutually agreed-upon configuration;
  - Opening and closing of any movable partitions; and
  - Assisting with available audiovisual equipment.
- All room setup and audio/visual requests must be made in writing at least 72 hours in advance.
- Under the management of conference center staff, the user agency or group is responsible for the set-up of the Great Hall. The use and quantity of tables and chairs for the Great Hall is never guaranteed; rentals may be required.

Posters, Signs, and Notices

- All meetings and events will be posted on the daily reader boards located throughout the building by conference center staff.
- All additional notices, signs, and posters must be preapproved by conference center management, and in some instances building management, before posting.
- Unapproved signage may be removed.
- Materials may not be delivered in advance (for storage or distribution purposes) or left after the conclusion of an event. Anything left in the room after the event is over is done so at the owner's risk of loss or damage.
- Tack strips have been provided in all of the conference rooms to display posters or charts. With the exception of "Post-it" notes, taping, tacking, or tying notices to the walls, columns, or any other surface of the rooms is not permitted. Any materials

posted on the walls must be removed by the user prior before leaving the facility at the end of the event.

Artwork

- Do not disturb any of the artwork on display in the Conference Center, Great Hall or any other common area of the Hiram Johnson State Office Building.
- Do not hang any artwork anywhere without previous authorization from building or conference center management.

Emergency Evacuation Information

It is the user's responsibility to be familiar with the attached Emergency Evacuation Information and bring it to the attention of the attendees. The information is also posted on the back of event room doors.

Breach of Rules

Failure to comply with the rules, policies, and procedures of this manual or those regulations set forth by the California Highway Patrol may result in the revocation of an agency's or group's permission to use the conference center.

Room Capacities

The following are the capacities of the rooms in the Conference Center.

Auditorium:
Fixed theater seating for 225.

San Diego Rooms A, B, and C
Each room is appropriate for up to 18 attendees in U-shape, 22 in a hollow square, or 20 in classroom or union style or rounds. **The rooms may be combined for a max 65 attendees**

Santa Barbara Room:
Appropriate for up to 22 attendees in U-shape, 25 in a hollow square or 25 in classroom or union style rounds.

Monterey Room:
Appropriate for up to 26 attendees in U-shape, 30 in a hollow square, or 30 in classroom or union style rounds.

Benicia Rooms A and B:
Each room is appropriate for up to 12 attendees in U-shape, 14 in a hollow square, or 20 Classroom. The two rooms may be combined; if so, union style rounds become an option, seating 30.

Vallejo Room:
Appropriate for up to 16 attendees at a fixed conference table.

WHAT TO DO IN AN EMERGENCY

Be prepared!

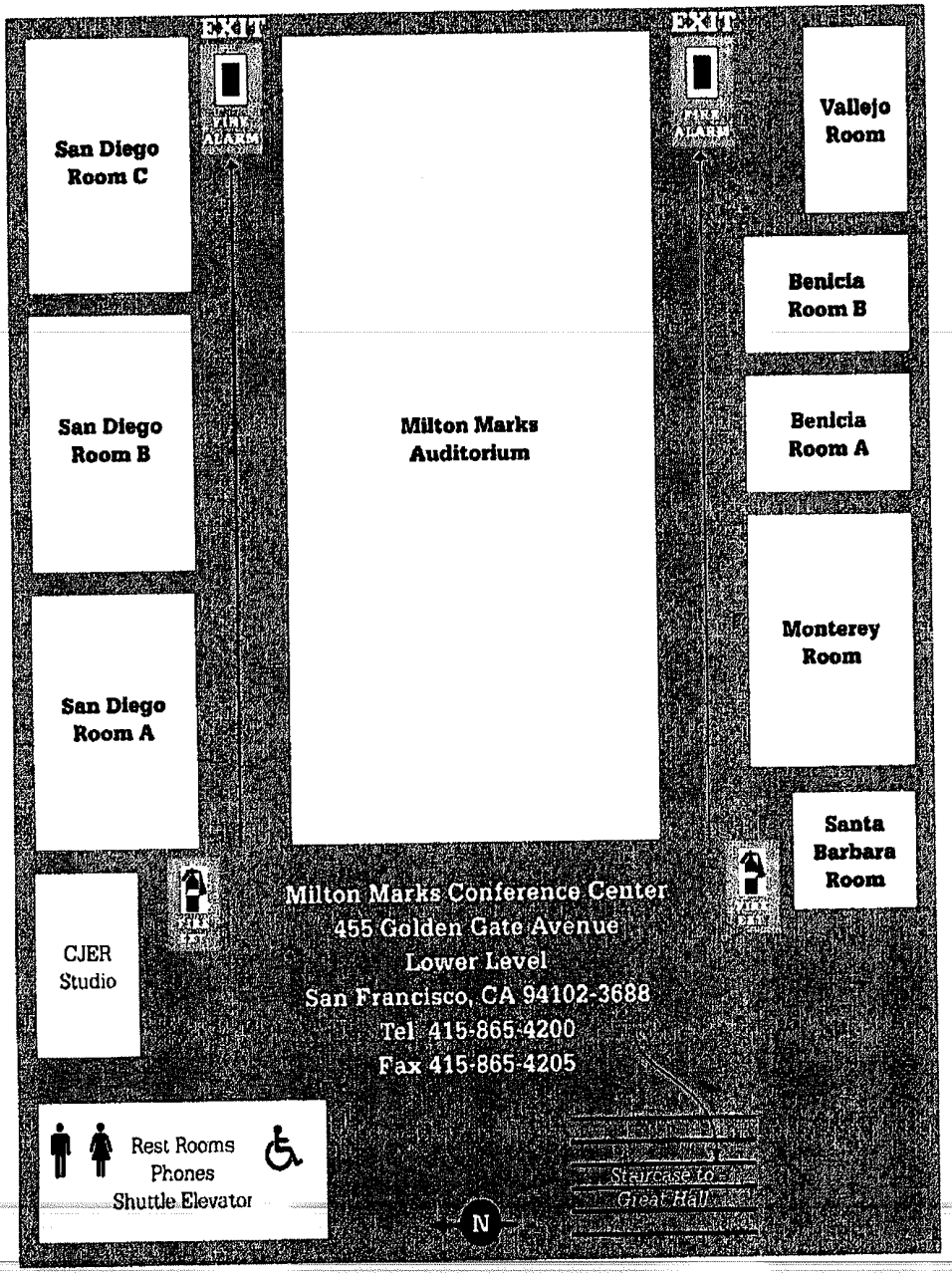
Familiarize yourself with the emergency evacuation map and procedures.

In any emergency, CALL

- 911. Say, "I am calling to report an injury/illness/fire/police emergency. I am calling from 455 Golden Gate Avenue, between Polk and Larkin, on the lower level." Wait for instructions from the 911 dispatcher.
- 703-3333 to tell building management that a 911 emergency call has been made. Tell them where you are so they can escort arriving emergency personnel to your location.

In a FIRE emergency, ALSO

- Activate the nearest fire alarm. The alarm will sound as a loud horn and the wall-mounted strobe lights will flash.
- Listen to the public address system for announcements and instructions.
- In the event of an evacuation, persons with disabilities should go to the nearest stairwell and wait for assistance.



Milton Marks Conference Center and Great Hall Reservation Form

Today's Date: _____

Name of Meeting: _____

Requested Date(s): _____ Number of Attendees: _____

Reservation Start Time: **Event Start Time:** **Event End Time:** _____

Requesting agency/organization: _____

Person making reservation: _____

Phone number: _____ E-mail: _____

Please complete all applicable sections.

☐ **Hiram W. Johnson State Building Tenant** ☐ **Other California State Agency**

☐ **Agency/Group Sponsored by Building Tenant** ***(Rental fees apply)***

This nonstate agency will not submit a certificate of insurance. The sponsoring building tenant accepts responsibility for the event, including liability for damage and injury, costs of excessive cleanup and other unforeseen costs arising from this event.

Name of sponsoring building tenant: _____

Contact person: _____ Phone: _____

Name and title of authorized building tenant representative: _____

Signature of authorized building tenant representative: _____

☐ **Nonstate Agency/Group** ***(requesting space no more then 30 days in advance)***

☐ **Designated Political Party Central Committee**

All requests are tentative pending completion of applicable provisions:

- Pursuant to the Conference Center Rates, Rules, Policies, and Procedures ("Conference Center Manual"), this agency may be required to submit a CHP permit request.
- Pursuant to the Conference Center Manual, this agency may be required to contract for additional security.
- Pursuant to the Conference Center Manual, this agency may be required to submit a certificate of insurance.
- Pursuant to the Conference Center Manual, this agency may be required to pay the following rental and service fees:

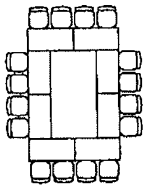
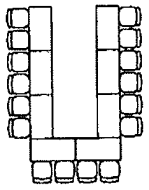
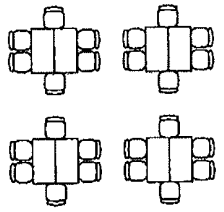
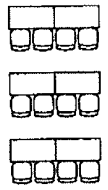
I am the authorized representative for my agency and I have read the conference center manual. On behalf of my agency, I agree to abide by these rules. I understand that my agency is responsible for any damage or excessive cleanup costs. My agency will indemnify and hold the State harmless for any damage, injury, or other liability resulting from its use of the Milton Marks Conference Center.

Name and title (print): _____

Signature: _____ Date: _____

Meeting Room Specifications:

☐ **Hollow square** ☐ **Open U** ☐ **Union style rounds** ☐ **Classroom**

☐ Other_____

☐ Head table (# of chairs_____) ☐ Registration table (☐ Inside room ☐ Outside room)

☐ Catering table ☐ Standing podium ☐ Extra tables/chairs_____

- Audiovisual equipment: Please request in writing at least 72 hours in advance.

Special requests:

Please submit this form to:
Milton Marks Conference Center
Administrative Office of the Courts
455 Golden Gate Avenue
San Francisco, CA. 94102
Tel: 415-865-7840 Fax: 415-865-4205
ConferenceCenter@jud.ca.gov

Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Tuesday, April 23, 2013 11:28 AM
To: 'Laura Doll (LRDD@pge.com)'
Subject: FW: Building Manager

Laura,

Let's discuss what security requirements we have over our lunch today.

Liza

Elizaveta Malashenko
Acting Deputy Director
Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
Phone: 415-703-2274
E-mail: elizaveta.malashenko@cpuc.ca.gov

From: Pete, Aaron
Sent: Tuesday, April 23, 2013 11:11 AM
To: Malashenko, Elizaveta I.
Cc: Badock, Lori
Subject: RE: Building Manager

Hi Liza, the Security Supervisor for 455 GG Building is Jim McCormick. His phone number is 415-355-5462.

Thank you,
Aaron K. Pete
SED Administration, 3-2179

From: Malashenko, Elizaveta I.
Sent: Tuesday, April 23, 2013 9:33 AM
To: Pete, Aaron
Subject: Building Manager

Hi,

For the safety symposium coming up, we need to figure out some building security questions. Can you connect me with the building manager for this building please? The equivalent of Victor Serrato for this building.

Thanks,

Liza

Elizaveta Malashenko
Acting Deputy Director

Office of Utility Safety and Reliability
Safety and Enforcement Division
California Public Utilities Commission
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E-mail: elizaveta.malashenko@cpuc.ca.gov

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Tuesday, April 23, 2013 11:28 AM
To: Malashenko, Elizaveta I.
Subject: RE: Building Manager

I'm heading out in just a couple minutes. Will see you soon!

From: Malashenko, Elizaveta I. [mailto:elizaveta.malashenko@cpuc.ca.gov]
Sent: Tuesday, April 23, 2013 11:28 AM
To: Doll, Laura
Subject: FW: Building Manager

Laura,

Let's discuss what security requirements we have over our lunch today.

Liza

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Tuesday, April 23, 2013 1:56 PM
To: Doll, Laura
Subject: RE: Agenda changes - to your most recent version
Attachments: Agenda for Safety Symposium_v6.pdf

For your review!

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Monday, April 22, 2013 10:20 AM
To: Prosper, Terrie D.
Cc: Doll, Laura
Subject: Agenda changes - to your most recent version

1. On this version, perhaps put **Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave.** at the top of the page, below the date? And then take out the highlights of Hersman and Sullenberger and just have them in the agenda??
   In other words, just have this be THE AGENDA, without the intro bullets.
   And take off the 4:45 reference as I expect we are really ending at 5:00. (with any luck!!)

2. Add VIDEO MESSAGE (or whatever wording you like) to Hersman's Keynote.

3. Change times as follows:
   a. Hersman at 1:45
   b. Peevey at 2:15
   c. Break from 2:45 – 3:00
   d. Panel 1 at 3:00
4. Panel 1
   a. Moderator: Susan Kennedy, former Chief of Staff to Governor Arnold Schwarzenegger and former Commissioner, California Public Utilities Commission (?? Sound right?)
   b. Replace Kemp with: Dana Floyd, Director, Flight Safety, Alaska Airlines Group
5. Add to Evening Event: (Optional **By Reservation Only – *MUST REGISTER BY MAY 1)*** Does that sound ok??
6. Add to Evening Keynote: Introduction by Assembly Member Joan Buchanan (D-Alamo)
7. Panel 2
   a. Add Moderator: Elizabeth Ashford, former Chief Press Secretary, Office of Governor Jerry Brown
   Make Jerry Schmitz's company: **Southwest Gas Corp.**

That's it for now!

Thank you so so so much.

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663

mobile: 415.828.3739

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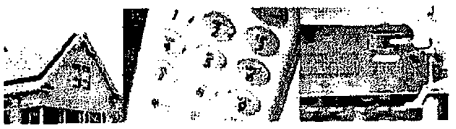


California Public Utilities Commission

Forging a New Vision of Safety in California Natural Gas Safety Symposium

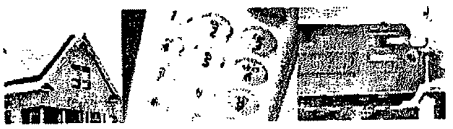
May 7-8, 2013

Hiram Johnson State Building, Milton Marks Auditorium
455 Golden Gate Ave., San Francisco

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 5 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
1:45 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board* (via video)
2:15 p.m.	**Michael R. Peevey,** *President, California Public Utilities Commission*
2:45 – 3 p.m.	**Break**
3 p.m.	**Panel 1: Building a Climate and Culture of Safety** Moderator: Susan Kennedy, *former Chief of Staff to Governor Arnold Schwarzenegger and former Commissioner, California Public Utilities Commission* Dana Floyd, *Director, Flight Safety, Alaska Airlines Group* Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL* Robert C. Figlock, *President, Advanced Survey Design, LLC* Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center* Nick Stavropoulos, *Executive Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**



Evening Event (Optional, by reservation only – *MUST REGISTER BY MAY 1*)

6 p.m. **Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**

7 p.m. **Dinner**

Evening Keynote: Introduction by Assembly Member Joan Buchanan (D-Alamo) of Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m. **Panel 2: Effectively Managing Pipeline Emergency Response**

Moderator: Elizabeth Ashford, *former Chief Press Secretary, Office of Governor Jerry Brown*

Jerry Schmitz, *Vice President, Engineering, Southwest Gas Corp.*

Joanne Hayes-White, *Chief, San Francisco Fire Department*

Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*

Carl Weimer, *Executive Director, Pipeline Safety Trust*

10 a.m. **Break**

10:15 a.m. **Panel 3: Safety Leadership – What Does the CPUC Need from Industry and What Does Industry Need From the CPUC to Improve Public Safety in California?**

Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*

Commissioner Mike Florio, *California Public Utilities Commission*

Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*

Chris Johns, *President, Pacific Gas and Electric Company*

Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*

12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Snapper, Greg <G1Sq@pge.com>
Sent: Tuesday, April 23, 2013 4:52 PM
To: terrie.prosper@cpuc.ca.gov
Subject: NTSB Safety Symposium 5/7-5/8

Hi Terrie,

Do you have a few minutes to discuss the media plan for this event? Wanted to see what you thought about inviting reporters..

I'm free now and wide open tomorrow morning.

Take care,

Greg Snapper
External Communications
Pacific Gas and Electric Company
Media Line: 415-973-5930
Direct: 415-973-5590

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 12:28 PM
To: Doll, Laura
Subject: RE: Agenda changes - to your most recent version
Attachments: Agenda for Safety Symposium_v7.pdf

The latest.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, April 23, 2013 7:34 PM
To: Prosper, Terrie D.
Subject: RE: Agenda changes - to your most recent version

Very sorry to be responding so late. It's still light outside, sort of!
This seems more concise and I like it.

Tiny things:
Page 1
Let's take off "2:15" for Peevey so we have some time flexibility, and then unbold Mike's name?
Both Hersman and Peevey will constitute "the keynote" as long as Hersman is able to get that damn video done. I like the "via video note!

Page 2
Could you take out a little space between the "evening event" line and 6 pm? I want to keep that "must register" message close to the event.
And then the font for "introduction by Buchanan . . . " is different from the rest of the text.

But otherwise, it's perfect!!
Thanks Terrie.

I'm too tired to even add to my list of things we need/must/had better talk about.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, April 23, 2013 1:56 PM
To: Doll, Laura
Subject: RE: Agenda changes - to your most recent version

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   Make Jerry Schmitz's company: **Southwest Gas Corp.**

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Thank you so so so much.

Laura Doll
Director, Regulatory Relations
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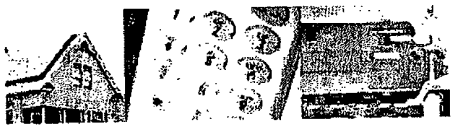

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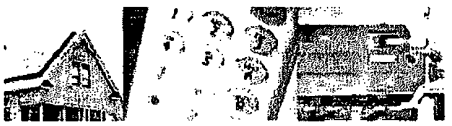

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12 p.m. **Concluding Remarks**

President Michael R. Peevey, *California Public Utilities Commission*

Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*

12:30 p.m. **Adjourn**

Harris, Frederick

From: Strottman, Britt <bstrottman@meyersnave.com>
Sent: Wednesday, April 24, 2013 12:47 PM
To: mark.wetzell@cpuc.ca.gov; Yip-Kikugawa, Amy C. <amy.yip-kikugawa@cpuc.ca.gov> (amy.yip-kikugawa@cpuc.ca.gov); StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; jmh@cpuc.ca.gov; rcc@cpuc.ca.gov; tbo@cpuc.ca.gov; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; dbp@cpuc.ca.gov; kpp@cpuc.ca.gov; michael.colvin@cpuc.ca.gov; kwt@cpuc.ca.gov; ayk@cpuc.ca.gov; ako@cpuc.ca.gov; caj@cpuc.ca.gov; djg@cpuc.ca.gov; edd@cpuc.ca.gov; cpe@cpuc.ca.gov; hym@cpuc.ca.gov; kcl@cpuc.ca.gov; kab@cpuc.ca.gov; mwt@cpuc.ca.gov; mlc@cpuc.ca.gov; ram@cpuc.ca.gov; tdp@cpuc.ca.gov; tcr@cpuc.ca.gov; ttf@cpuc.ca.gov; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; psb@cpuc.ca.gov; tbo@cpuc.ca.gov; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com;

To:	cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; kpp@cpuc.ca.gov; ayk@cpuc.ca.gov; ako@cpuc.ca.gov; dbp@cpuc.ca.gov; edd@cpuc.ca.gov; kcl@cpuc.ca.gov; kab@cpuc.ca.gov; mk1 @cpuc.ca.gov; ram@cpuc.ca.gov; skh@cpuc.ca.gov; ttf@cpuc.ca.gov; jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; tbo@cpuc.ca.gov; ttf@cpuc.ca.gov; tlong@turn.org; mlw3 @pge.com; Strottman, Britt; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; djg@cpuc.ca.gov; austin.yang@sfgov.org; marcel@turn.org; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; regrelcpuccases@pge.com; dng6 @pge.com; Mullan, Jessica; Meyers, Steven; deborah.slon@doj.ca.gov; dmarcus2 @sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; William.Westfield@smud.org; ATrowbridge@DayCarterMurphy.com; wmc@a-klaw.com; DBP@cpuc.ca.gov; kpp@cpuc.ca.gov; rst@cpuc.ca.gov; ako@cpuc.ca.gov; crs@cpuc.ca.gov; edd@cpuc.ca.gov; frl@cpuc.ca.gov; hym@cpuc.ca.gov; jzr@cpuc.ca.gov; jmh@cpuc.ca.gov; kcl@cpuc.ca.gov; kab@cpuc.ca.gov; map@cpuc.ca.gov; msw@cpuc.ca.gov; mlc@cpuc.ca.gov; ram@cpuc.ca.gov; rcc@cpuc.ca.gov; tdp@cpuc.ca.gov
Cc:	Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)
Subject:	SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause
Attachments:	4.24.13 City of San Bruno's Motion for OSC.pdf; 4.24.13 OSC COS.pdf

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

Britt K. Strottman
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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 1:04 PM
To: Doll, Laura
Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause
Attachments: 4.24.13 City of San Bruno's Motion for OSC.pdf; 4.24.13 OSC COS.pdf

You see this?

From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
Sent: Wednesday, April 24, 2013 12:47 PM
To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis; jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; Bone, Traci; Foss, Travis; tlong@turn.org; mlw3@pge.com; Strottman, Britt; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com;

anjani.vedula@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; Gruen, Darryl; austin.yang@sfgov.org; marcel@turn.org; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; regrelcpuccases@pge.com; dng6@pge.com; Mullan, Jessica; Meyers, Steven; deborah.slon@doj.ca.gov; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; William.Westfield@smud.org; ATrowbridge@DayCarterMurphy.com; wmc@a-klaw.com; Peck, David B.; Paull, Karen P.; Stepanian, Raffy; Kotch, Andrew; Chow, Christopher; Dorman, Elizabeth; Lindh, Frank; Morris, Harvey Y.; Reiger, J. Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.
Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)
Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

Britt K. Strottman
Attorney at Law
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www.publiclawnews.com

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 1:05 PM
To: Snapper, Greg
Subject: RE: NTSB Safety Symposium 5/7-5/8
Attachments: 4.24.13 City of San Bruno's Motion for OSC.PDF

Left you a message. I wanted to also make sure you saw the attached, which was just filed.

From: Snapper, Greg [mailto:G1Sg@pge.com]
Sent: Tuesday, April 23, 2013 4:52 PM
To: Prosper, Terrie D.
Subject: NTSB Safety Symposium 5/7-5/8

Hi Terrie,

Do you have a few minutes to discuss the media plan for this event? Wanted to see what you thought about inviting reporters..

I'm free now and wide open tomorrow morning.

Take care,

Greg Snapper
External Communications
Pacific Gas and Electric Company
Media Line: 415-973-5930
Direct: 415-973-5590

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 1:07 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Just now. OMG

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:04 PM
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Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

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From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
Sent: Wednesday, April 24, 2013 12:47 PM
To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org;

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Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)
Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 1:08 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And as far as I know the CM was invited. She was on the list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:04 PM
To: Doll, Laura
Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

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Thank you, Britt Strottman

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 1:11 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And we haven't even sent out a media advisory yet (which we were planning to do once the agenda was finalized) and the City of SB AND this law firm would have received the media advisory. The event is online and in our What's Hot Calendar and our Daily Calendar and it was announced at our last Voting Meeting.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:08 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

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Sent: Wednesday, April 24, 2013 12:47 PM
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anjani.veduja@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis; jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; Bone, Traci; Foss, Travis; tlong@turn.org; mlw3@pge.com; Strottman, Britt; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.veduja@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; Gruen, Darryl; austin.yang@sfgov.org; marcel@turn.org; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; regrelcpuccases@pge.com; dng6@pge.com; Mullan, Jessica; Meyers, Steven; deborah.slon@doj.ca.gov; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; William.Westfield@smud.org; ATrowbridge@DayCarterMurphy.com; wmc@a-klaw.com; Peck, David B.; Paull, Karen P.; Stepanian, Raffy; Kotch, Andrew; Chow, Christopher; Dorman, Elizabeth; Lindh, Frank; Morris, Harvey Y.; Reiger, J. Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.
Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)
Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

Britt K. Strottman
Attorney at Law
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Harris, Frederick

From: Snapper, Greg <G1Sq@pge.com>
Sent: Wednesday, April 24, 2013 1:18 PM
To: 'Prosper, Terrie D.'
Subject: RE: NTSB Safety Symposium 5/7-5/8

Shoot. I didn't get the message. I'm available now if you are at:

Mobile 4152646172
Direct 4159735590

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:05 PM
To: Snapper, Greg
Subject: RE: NTSB Safety Symposium 5/7-5/8

Left you a message. I wanted to also make sure you saw the attached, which was just filed.

From: Snapper, Greg [mailto:G1Sq@pge.com]
Sent: Tuesday, April 23, 2013 4:52 PM
To: Prosper, Terrie D.
Subject: NTSB Safety Symposium 5/7-5/8

Hi Terrie,

Do you have a few minutes to discuss the media plan for this event? Wanted to see what you thought about inviting reporters..

I'm free now and wide open tomorrow morning.

Take care,

Greg Snapper
External Communications
Pacific Gas and Electric Company
Media Line: 415-973-5930
Direct: 415-973-5590

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 1:31 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

I know. I am amazed.

Do you have any idea what next steps from your perspective might be? I assume we move forward.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:11 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And we haven't even sent out a media advisory yet (which we were planning to do once the agenda was finalized) and the City of SB AND this law firm would have received the media advisory. The event is online and in our What's Hot Calendar and our Daily Calendar and it was announced at our last Voting Meeting.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:08 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And as far as I know the CM was invited. She was on the list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:04 PM
To: Doll, Laura
Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

You see this?

From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
Sent: Wednesday, April 24, 2013 12:47 PM
To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com;

ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis; jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; Bone, Traci; Foss, Travis; tlong@turn.org; mlw3@pge.com; Strottman, Britt; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; Gruen, Darryl; austin.yang@sfgov.org; marcel@turn.org; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; regrelcpuccases@pge.com; dng6@pge.com; Mullan, Jessica; Meyers, Steven; deborah.slon@doj.ca.gov; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; William.Westfield@smud.org; ATrowbridge@DayCarterMurphy.com; wmc@a-klaw.com; Peck, David B.; Paull, Karen P.; Stepanian, Raffy; Kotch, Andrew; Chow, Christopher; Dorman, Elizabeth; Lindh, Frank; Morris, Harvey Y.; Reiger, J. Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.

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Thank you, Britt Strottman

Britt K. Strottman
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Harris, Frederick

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I would like to find out when/how the ALJ plans to respond before sending out the media advisory. I just told this to Greg Snapper in your news department too.

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To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org;

jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; 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Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.

Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)

Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety

Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

Britt K. Strottman
Attorney at Law
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555 12th Street, Suite 1500
Oakland, CA 94607
Phone: 510.808.2000
Fax: 510.444.1108
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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 1:40 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Sorry if he called you.

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I know. I am amazed.

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And we haven't even sent out a media advisory yet (which we were planning to do once the agenda was finalized) and the City of SB AND this law firm would have received the media advisory. The event is online and in our What's Hot Calendar and our Daily Calendar and it was announced at our last Voting Meeting.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:08 PM
To: Prosper, Terrie D.
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And as far as I know the CM was invited. She was on the list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:04 PM
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SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; 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Thank you, Britt Strottman

Britt K. Strottman
Attorney at Law
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To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis; jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; Bone, Traci; Foss, Travis; tlong@turn.org; mlw3@pge.com; Strottman, Britt; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us;

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Thank you, Britt Strottman

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Britt K. Strottman
Attorney at Law
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Harris, Frederick

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To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com;

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Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)
Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 1:54 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

checking

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:54 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And she's still there and not on leave or something, right?

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:52 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Paul will likely want you to confirm that SB CM was invited. – Connie Jackson was on list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:49 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

No problem. We were supposed to talk re: press.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:40 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Sorry if he called you.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:39 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

I would like to find out when/how the ALJ plans to respond before sending out the media advisory. I just told this to Greg Snapper in your news department too.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:31 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

I know. I am amazed.

Do you have any idea what next steps from your perspective might be? I assume we move forward.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:11 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And we haven't even sent out a media advisory yet (which we were planning to do once the agenda was finalized) and the City of SB AND this law firm would have received the media advisory. The event is online and in our What's Hot Calendar and our Daily Calendar and it was announced at our last Voting Meeting.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:08 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And as far as I know the CM was invited. She was on the list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:04 PM
To: Doll, Laura
Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

You see this?

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To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com;

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Harris, Frederick

From: Wetzell, Mark S. <mark.wetzell@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 1:56 PM
To: jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; Bone, Traci; Foss, Travis; tlong@turn.org; mlw3@pge.com; bstrottman@meyersnave.com; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; Gruen, Darryl; austin.yang@sfgov.org; marcel@turn.org; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; regrelcpuccases@pge.com; dng6@pge.com; jmullan@meyersnave.com; smeyers@meyersnave.com; deborah.slon@doj.ca.gov; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; William.Westfield@smud.org; ATrowbridge@DayCarterMurphy.com; wmc@a-klaw.com; Peck, David B.; Paull, Karen P.; Stepanian, Raffy; Kotch, Andrew; Chow, Christopher; Dorman, Elizabeth; Lindh, Frank; Morris, Harvey Y.; Reiger, J. Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.
Subject: I.12-01-007, I.11-02-016, and I.11-11-009 - ALJs' Ruling Shortening Time for Responses to City of San Bruno Motion

NOTICE TO ALL PARTIES IN I.12-01-007, I.11-02-016, and I.11-11-009

On April 24, 2013 the City of San Bruno served its "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated." Since the subject symposium is scheduled to begin on May 7, 2013, we find that good cause exists to shorten the time for responses to the motion. Responses are due April 29, 2013.

Administrative Law Judges Amy Yip-Kikugawa and Mark Wetzell

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 1:56 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Call me 415-703-2160

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:54 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

checking

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:54 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And she's still there and not on leave or something, right?

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:52 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Paul will likely want you to confirm that SB CM was invited. – Connie Jackson was on list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:49 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

No problem. We were supposed to talk re: press.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:40 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Sorry if he called you.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:39 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

I would like to find out when/how the ALJ plans to respond before sending out the media advisory. I just told this to Greg Snapper in your news department too.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:31 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

I know. I am amazed.

Do you have any idea what next steps from your perspective might be? I assume we move forward.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:11 PM
To: Doll, Laura
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And we haven't even sent out a media advisory yet (which we were planning to do once the agenda was finalized) and the City of SB AND this law firm would have received the media advisory. The event is online and in our What's Hot Calendar and our Daily Calendar and it was announced at our last Voting Meeting.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Wednesday, April 24, 2013 1:08 PM
To: Prosper, Terrie D.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

And as far as I know the CM was invited. She was on the list.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 1:04 PM
To: Doll, Laura
Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

You see this?

From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
Sent: Wednesday, April 24, 2013 12:47 PM
To: Wetzell, Mark S.; Yip-Kikugawa, Amy C.; StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.;

Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; Meyers, Steven; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis; jmalkin@orrick.com; kdaly@stinson.com; catherine.mazzeo@swgas.com; theresa.mueller@sfgov.org; Bone, Traci; Foss, Travis; tlong@turn.org; mlw3@pge.com; Strottman, Britt; ESelmon@Jemzar.com; BTS1@pge.com; kkonolige@bgcpartners.com; kxhy@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; ppatterson2@nyc.rr.com; pbattaglia@bcgpartners.com; thnxvm@gmail.com; rajeev.lalwani@morganstanley.com; SRRD@pge.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; ted@pointstate.com; bnaeve@levincap.com; Jheckler@levincap.com; NStein@LevinCap.com; stephen.byrd@morganstanley.com; NKhumawala@WolfeTrahan.com; randall@nexusamllc.com; dng@semprautilities.com; jlsalazar@semprautilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; case.admin@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gloria.ing@sce.com; maguirre@amslawyers.com; khelmuth@cityofmadera.com; cjackson@ci.sanbruno.ca.us; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; Gruen, Darryl; austin.yang@sfgov.org; marcel@turn.org; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; regrelcpuccases@pge.com; dng6@pge.com; Mullan, Jessica; Meyers, Steven; deborah.slon@doj.ca.gov; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; William.Westfield@smud.org; ATrowbridge@DayCarterMurphy.com; wmc@a-klaw.com; Peck, David B.; Paull, Karen P.; Stepanian, Raffy; Kotch, Andrew; Chow, Christopher; Dorman, Elizabeth; Lindh, Frank; Morris, Harvey Y.; Reiger, J. Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.

Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)

Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

Britt K. Strottman
Attorney at Law
MEYERS NAVE
555 12th Street, Suite 1500

Oakland, CA 94607
Phone: 510.808.2000
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www.publiclawnews.com

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Harris, Frederick

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Sent: Wednesday, April 24, 2013 1:57 PM
To: Doll, Laura
Subject: FW: I.12-01-007, I.11-02-016, and I.11-11-009 - ALJs' Ruling Shortening Time for Responses to City of San Bruno Motion

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Subject: I.12-01-007, I.11-02-016, and I.11-11-009 - ALJs' Ruling Shortening Time for Responses to City of San Bruno Motion

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Administrative Law Judges Amy Yip-Kikugawa and Mark Wetzell

Harris, Frederick

From: Wetzell, Mark S. <mark.wetzell@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 1:59 PM
To: StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; Halligan, Julie; Cagen, Robert; Bone, Traci; theresa.mueller@sfgov.org; tlong@turn.org; BKC7@pge.com; cpj2@pge.com; lhj2@pge.com; JMalkin@Orrick.com; BCragg@GoodinMacbride.com; smeyers@meyersnave.com; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases@pge.com; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; j7se@pge.com; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; bts1@pge.com; filings@a-klaw.com; ked6@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; bstrottman@meyersnave.com; jmullan@meyersnave.com; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis
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Harris, Frederick

From: Wetzell, Mark S. <mark.wetzell@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 2:01 PM
To: kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; Berdge, Patrick S.; Bone, Traci; tlong@turn.org; JMalkin@orrick.com; slg0@pge.com; ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases@pge.com; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; bnaeve@levincap.com; Jheckler@levincap.com; scott.senchak@decade-llc.com; randall@nexusamllc.com; dng@semprautilities.com; JLSalazar@SempraUtilities.com; stomkins@semprautilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; mdjoseph@adamsbroadwell.com; rkoss@adamsbroadwell.com; austin.yang@sfgov.org; marcel@turn.org; nsuetake@turn.org; LKL1@pge.com; NRN2@pge.com; nes@a-klaw.com; sgs@dcbsf.com; teb3@pge.com; gburke@ap.org; BCragg@GoodinMacbride.com; cem@newsdata.com; bkc7@pge.com; grant.kolling@cityofpaloalto.org; bstrottman@meyersnave.com; jmullan@meyersnave.com; smeyers@meyersnave.com; dmarcus2@sbcglobal.net; service@cforat.org; henrypielage@comcast.net; abb@eslawfirm.com; wwester@smud.org; Mark.Gall@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; dweber.nwngs@nwnatural.com; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis
Subject: I.12-01-007, I.11-02-016, and I.11-11-009 - ALJs' Ruling Shortening Time for Responses to City of San Bruno Motion

NOTICE TO ALL PARTIES IN I.12-01-007, I.11-02-016, and I.11-11-009

On April 24, 2013 the City of San Bruno served its "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated." Since the subject symposium is scheduled to begin on May 7, 2013, we find that good cause exists to shorten the time for responses to the motion. Responses are due April 29, 2013.

Administrative Law Judges Amy Yip-Kikugawa and Mark Wetzell

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 2:19 PM
To: Doll, Laura
Subject: FW: Demand for Removal of CPUC President and Commissioner from Event with PG&E by City of San Bruno
Attachments: 4.24.13 City of San Bruno's Motion for OSC.pdf

Importance: High

From: Sam Singer [mailto:sam@singersf.com]
Sent: Wednesday, April 24, 2013 1:57 PM
To: Singermedia
Subject: Demand for Removal of CPUC President and Commissioner from Event with PG&E by City of San Bruno
Importance: High

For Immediate Release:

Demand for Removal of CPUC President and Commissioner from Event with PG&E

Illegal Communication Between Regulator and PG&E Harms Fairness of CPUC Decision, Penalty in San Bruno Blast and Fire, City Says in CPUC Legal Filing

San Francisco—The City of San Bruno today filed a legal motion demanding CPUC President Michael Peevey and Commissioner Michel Florio recuse themselves from an upcoming "safety" event featuring PG&E executives, noting it is illegal and unethical for the regulatory agency to participate when it will stand in judgment of the utility and fine it for the Sept. 9, 2010 explosion and fire in San Bruno that killed eight, injured 60, destroyed 38 homes and damaged scores more. The safety symposium will focus on the same subject matter that is at issue in the CPUC investigations: natural gas safety and emergency response.

The California Public Utilities Commission Safety Symposium featuring PG&E is scheduled for May 7-8 in San Francisco to "explore solutions to safety within California's utility services and infrastructure sectors" and "will focus on natural gas safety issues," according to the invitation.

Among the scheduled speakers and panelists are PG&E President Chris Johns, PG&E SVP of Gas Operations Nick Stavropoulos, CPUC President Michael Peevey, CPUC Commissioner Michel Florio, CPUC Executive Director Paul Clanon, and CPUC Safety Director Jack Hagan.

"This is like the defendant in a criminal case taking the judge to play golf together before the judge rules on his case and his penalty," said attorney Steven Meyers of the Meyers Nave law firm, representing the City of San Bruno.

The legal filing cites the symposium for being an illegal 'ex-parte' contact between the regulator (CPUC) and defendant (PG&E) at a critical time in the CPUC hearing process in the San Bruno explosion and fire case. The filing says "the participation of the defendant and the judges... (is) a violation of the law" and calls it "unethical and inappropriate."

"On its face, the PG&E-CPUC Safety Symposium appears to be a step forward in promoting natural gas safety," San Bruno's filing says.

"However, upon further scrutiny, this Safety Symposium is nothing but a forum for PG&E to put on a dog and pony show in front of two out of the five Commission decision-makers charged with determining the fines and penalties warranted by PG&E's past misconduct, right in the middle of unprecedented and high-profile CPUC investigations into PG&E's deficient management and operation of its natural gas system."

In conclusion, the filing says "San Bruno urges the CPUC to demonstrate to the intervenors in these proceedings, the residents of San Bruno, and to the public at large that its commitment to accountability is more than mere posturing, and to do so in these cases that are gravely important to the residents of San Bruno and the ratepayers of the State of California. San Bruno has a strong and vested interest in a CPUC process that follows the rules. San Bruno has participated in these proceedings in good faith for over two years in reliance on the belief that a just, transparent, reasonable outcome which is in the public interest can be achieved. San Bruno cannot achieve this outcome when the very decision-makers that are determining PG&E's fate will be in the same room with PG&E discussing natural gas safety in a forum other than the courtroom."

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Contact:
Sam Singer, Singer Associates
Phone: (415) 227-9700
Email: singer@singersf.com

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 2:44 PM
To: jf2@cpuc.ca.gov
Cc: Terrie D.' 'Prosper (terrie.prosper@cpuc.ca.gov)
Subject: FW: Demand for Removal of CPUC President and Commissioner from Event with PG&E by City of San Bruno
Attachments: 4.24.13 City of San Bruno's Motion for OSC.pdf

Importance: High

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Subject: FW: Demand for Removal of CPUC President and Commissioner from Event with PG&E by City of San Bruno
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To: Singermedia
Subject: Demand for Removal of CPUC President and Commissioner from Event with PG&E by City of San Bruno
Importance: High

For Immediate Release:

Demand for Removal of CPUC President and Commissioner from Event with PG&E

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"This is like the defendant in a criminal case taking the judge to play golf together before the judge rules on his case and his penalty," said attorney Steven Meyers of the Meyers Nave law firm, representing the City of San Bruno.

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--30--

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 2:44 PM
To: jf2@cpuc.ca.gov
Subject: FW: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause
Attachments: 4.24.13 City of San Bruno's Motion for OSC.pdf; 4.24.13 OSC COS.pdf

FYI....

This afternoon, the City of San Bruno filed the attached motion seeking to have Commissioners Peevey and Florio recused from attending the upcoming CPUC sponsored safety symposium or, in the alternative, to delay the symposium until after the San Bruno related enforcement proceedings are resolved. The motions cites the conflict of having the "prosecutor", "defendant", and "judges" in the enforcement proceedings participate in the symposium and the potential for ex parte violations. Although organized and sponsored by the CPUC, the motion refers to the symposium as the "PG&E – CPUC Safety Symposium." The motion asserts that the City of San Bruno was not invited to participate in, or attend, the symposium and was not aware of the symposium until notified of it by TURN. The motion also references and attaches the recently released consultant report containing statements by CPUC staff critical of the CPUC's safety culture.

Bruce
3-2616

From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
Sent: Wednesday, April 24, 2013 12:47 PM
To: mark.wetzell@cpuc.ca.gov; Yip-Kikugawa, Amy C. <amy.yip-kikugawa@cpuc.ca.gov> (amy.yip-kikugawa@cpuc.ca.gov); StephanieC@greenlining.org; kdaly@stinson.com; catherine.mazzeo@swgas.com; dng@SempraUtilities.com; jmh@cpuc.ca.gov; rcc@cpuc.ca.gov; tbo@cpuc.ca.gov; theresa.mueller@sfgov.org; tlong@turn.org; Cherry, Brian K; Johns, Christopher; Jordan, Lise (Law); JMalkin@Orrick.com; BCragg@GoodinMacbride.com; Meyers, Steven; bmcc@mccarthylaw.com; martinhomec@gmail.com; ESelmon@Jemzar.com; RegRelCPUCCases; cassandra.sweet@dowjones.com; enriqueg@greenlining.org; jheckler@levincap.com; Seager, Jonathan; lauren.duke@db.com; mchediak@bloomberg.net; p.duller@btinternet.com; thnxvm@gmail.com; dvanhoogstraten@stinson.com; scott.senchak@decade-llc.com; mfallon@taloncap.com; anjani.vedula@db.com; John.A.Apgar@Citi.com; andrewgay@arcassetltd.com; kfallon@sirfunds.com; ted@PointState.com; jdangelo@catapult-llc.com; mgoldenberg@luminusmgmt.com; sunny.kwak@macquarie.com; bnaeve@levincap.com; NStein@LevinCap.com; randall@nexusamllc.com; naaz.khumawala@baml.com; JLsalazar@SempraUtilities.com; SHruby@SempraUtilities.com; MFranco@SempraUtilities.com; RPrince@SempraUtilities.com; angelica.morales@sce.com; douglas.porter@sce.com; Francis.McNulty@sce.com; gcaldwell@sanbruno.ca.gov; kfabry@sanbruno.ca.gov; cjackson@ci.sanbruno.ca.us; rkoss@adamsbroadwell.com; mdjoseph@adamsbroadwell.com; austin.yang@sfgov.org; nsuetake@turn.org; Smith, Bruce T; filings@a-klaw.com; Donnelly, Katherine E; nes@a-klaw.com; sgs@dcbsf.com; Bottorff, Thomas E; gburke@ap.org; cem@newsdata.com; grant.kolling@cityofpaloalto.org; Strottman, Britt; Mullan, Jessica; service@cforat.org; pucservice@dralegal.org; margaret@mfelts.com; abb@eslawfirm.com; wwester@smud.org; atrowbridge@daycartermurphy.com; wmc@a-klaw.com; MD7@cpuc.ca.gov; dbp@cpuc.ca.gov; kpp@cpuc.ca.gov; michael.colvin@cpuc.ca.gov; kwt@cpuc.ca.gov; ayk@cpuc.ca.gov; ako@cpuc.ca.gov; caj@cpuc.ca.gov; djg@cpuc.ca.gov; edd@cpuc.ca.gov; cpe@cpuc.ca.gov; hym@cpuc.ca.gov; kcl@cpuc.ca.gov; kab@cpuc.ca.gov; mwt@cpuc.ca.gov; mlc@cpuc.ca.gov; ram@cpuc.ca.gov; tdp@cpuc.ca.gov; tcr@cpuc.ca.gov; ttf@cpuc.ca.gov; kdaly@stinson.com; catherine.mazzeo@swgas.com; cjackson@ci.sanbruno.ca.us; theresa.mueller@sfgov.org; psb@cpuc.ca.gov; tbo@cpuc.ca.gov; tlong@turn.org; JMalkin@orrick.com; Garber, Stephen (Law); ESelmon@Jemzar.com; argay@arcassetltd.com; RegRelCPUCCases; mchediak@bloomberg.net; ray.welch@navigantconsulting.com; mrw@mrwassoc.com; dvanhoogstraten@stinson.com; mfallon@taloncap.com; anjani.vedula@db.com; jonathan.arnold@db.com; lauren.duke@db.com; John.A.Apgar@Citi.com;

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Cc: Connie Jackson <CJackson@sanbruno.ca.gov> (CJackson@sanbruno.ca.gov)
Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.

Thank you, Britt Strottman

Britt K. Strottman
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BEFORE THE PUBLIC UTILITIES COMMISSION

OF THE STATE OF CALIFORNIA

Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company to Determine Violations of Public Utilities Code Section 451, General Order 112, and Other Applicable Standards, Laws, Rules and Regulations in Connection with the San Bruno Explosion and Fire on September 9, 2010.	I.12-01-007 (Filed January 12, 2012) (Not Consolidated)
Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company with Respect to Facilities Records for its Natural Gas Transmission System Pipelines.	I.11-02-016 (Filed February 24, 2011) (Not Consolidated)
Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company's Natural Gas Transmission Pipeline System in Locations with Higher Population Density	I.11-11-009 (Filed November 10, 2011) (Not Consolidated)

MOTION OF THE CITY OF SAN BRUNO REQUESTING AN ORDER TO SHOW CAUSE WHY ASSIGNED COMMISSIONERS PEEVEY AND FLORIO SHOULD NOT BE RECUSED FROM THE "FORGING A NEW VISION OF SAFETY IN CALIFORNIA" SYMPOSIUM PURSUANT TO RULE 8.3, OR IN THE ALTERNATIVE, AN ORDER SUSPENDING THE SAFETY SYMPOSIUM UNTIL I.12-01-007, I.11-02-016, AND I.11-11-009 ARE FULLY ADJUDICATED

STEVEN R. MEYERS
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April 24, 2013

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company to Determine Violations of Public Utilities Code Section 451, General Order 112, and Other Applicable Standards, Laws, Rules and Regulations in Connection with the San Bruno Explosion and Fire on September 9, 2010.	I.12-01-007 (Filed January 12, 2012) (Not Consolidated)
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MOTION OF THE CITY OF SAN BRUNO REQUESTING AN ORDER TO SHOW CAUSE WHY ASSIGNED COMMISSIONERS PEEVEY AND FLORIO SHOULD NOT BE RECUSED FROM THE "FORGING A NEW VISION OF SAFETY IN CALIFORNIA" SYMPOSIUM PURSUANT TO RULE 8.3, OR IN THE ALTERNATIVE, AN ORDER SUSPENDING THE SAFETY SYMPOSIUM UNTIL I.12-01-007, I.11-02-016, AND I.11-11-009 ARE FULLY ADJUDICATED

Pursuant to Rule 11.1 of the California Public Utilities Commission's ("Commission" or "CPUC") Rules for Practice and Procedure ("Commission Rules"), the City of San Bruno ("San Bruno") moves for: (1) an order to show cause why Commission President Michael R. Peevey and Commissioner Michel Peter Florio should not be recused from attending and participating in the "Forging a New Vision of Safety in California" symposium on May 7-8, 2013 (the "PG&E-CPUC Safety Symposium"); (2) or in the alternative, an order suspending the PG&E-CPUC Safety Symposium until the three Orders Initiating Investigation ("OIIs"), I.12-01-007, I.11-02-016, and I.11-11-009 (the "Line 132 OIIs") have been fully adjudicated.

I. BACKGROUND

A. The Line 132 OIIs

The Commission instituted three formal investigations into Pacific Gas & Electric Company's (PG&E) operations after a PG&E-installed and operated 30 inch natural gas pipeline exploded in San Bruno killing eight people, injuring sixty-six people, and leveling thirty-eight homes. The first Commission-initiated investigation concerns PG&E's deficient recordkeeping practices and the safety implications of such practices for the utility's gas service and facilities (the "Recordkeeping OII").[1] The assigned presiding Commissioner in the Recordkeeping OII is Commissioner Florio. The second Commission investigation into the explosion of PG&E's Line 132 concerns PG&E's violations of state and federal laws in connection with the utility's operation of pipelines in high population consequence areas (the "HCA OII").[2] The assigned presiding Commissioner in the HCA OII is also Commissioner Florio. The third Commission-initiated investigation into PG&E misconduct is a comprehensive examination of PG&E's violations of federal and state safety laws applicable to its natural gas system (the "Root Cause OII").[3] In addition to the events of September 9, 2010, the Root Cause OII expressly includes all past operations, practices, and other events or courses of conduct that could have led to or contributed to the explosion of PG&E's Line 132.[4] The assigned presiding Commissioner in the Root Cause OII is Commission President Peevey.[5] The Commission has categorized all three Line 132 OIIs as "adjudicatory" pursuant to Rule 7.1(c) of the Commission's Rules.

B. The PG&E-CPUC Safety Symposium

The PG&E-CPUC Safety Symposium is scheduled for May 7-8, 2013 and will "explore solutions to safety within California's utility services and infrastructure sectors" and it "will

[1] I.11-02-016

[2] I.11-11-009

[3] I12-01-007

[4] I12-01-007 at 2

[5] http://docs.cpuc.ca.gov/efile/NOTICE/157982.pdf

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focus on natural gas safety issues."[6] It is also important to note that the victim in the Line 132 OIIs, and one of the key players in any safety discussion regarding natural gas explosions, the City of San Bruno, was not invited to this "important dialog" and only heard about it second-hand through an attorney from The Utility Reform Network (TURN). See Exhibit 2; Declaration of Britt Strottman.

II. DISCUSSION

On its face, the PG&E-CPUC Safety Symposium appears to be a step forward in promoting natural gas safety. Given the public disclosure of CPUC internal consultant reports[7] and recent legislation testimony[8] regarding the absence of a safety culture at the CPUC, such a conference would be timely. However, upon further scrutiny, this PG&E-CPUC Safety Symposium initiated by PG&E is nothing but a forum for PG&E to put on a self-serving dog and pony show in front of two out of the five Commission decision-makers charged with determining the fines and penalties warranted by PG&E's past misconduct, right in the middle of unprecedented and high-profile CPUC investigations into PG&E's deficient management and operation of its natural gas system. Furthermore, the PG&E-CPUC Safety Symposium is also a violation of the CPUC's own rules. Any communications between the defendant (PG&E) and the judges (President Peevey and Commissioner Florio) about the subject matter in the Line 132 OIIs constitutes an ex parte communication under Commission Rule 8.1. Per Commission Rule 8.3(b), ex parte communications are prohibited in each of the Line 132 OIIs, all of which have been characterized as adjudicatory proceedings.

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[6] See Exhibit 1; letter and invitation dated April 4, 2013 from Brigadier General Emory J. Hagan

[7] See Exhibit 3; CPUC Memorandum dated February 11, 2013

[8] http://calchannel.granicus.com/MediaPlayer.php?view_id=7&clip_id=1148

A. It is Inappropriate for the "Judges" and "Prosecutors" in an Ongoing Investigation to Participate in the PG&E-CPUC Safety Symposium

The PG&E-CPUC Safety Symposium, "Forging a New Vision of Safety in California," includes the following three panels[9]:

Panel 1: Building a Climate and Culture of Safety (Nick Stavropoulos, PG&E's Senior Vice President of Gas Operations, is a panel member)

Panel 2: Effectively Managing Pipeline Emergency Response

Panel 3: Leading Safety – What Does Regulatory Leadership Look Like – (panel members include Commissioner Florio and PG&E President Chris Johns)

The discussions in these panels will undoubtedly focus on the events leading up to and the aftermath of the explosion in San Bruno, the largest natural gas disaster in the state of California – also the focus of the most high-profile and high-stakes investigations in history at the CPUC. The panels will certainly cover lessons learned from the San Bruno explosion. The third panel will then discuss CPUC's regulatory leadership in the aftermath of the explosion, which will unquestionably cover the CPUC's investigations into the explosion.

In all three Line 132 OIIs, the presiding Commissioners, President Peevey and Commissioner Florio, will review the massive amount of evidence over a time period of two and half years, including over thirty volumes of evidentiary hearing transcripts; briefs from PG&E, CPSD, and the Intervenors; numerous data requests from all parties, and over 300 docket entries, etc. The Commissioners will review extensive testimony on the construction of Line 132, PG&E's integrity management program, PG&E's emergency response to the explosion, PG&E's recordkeeping practices, and among other things, PG&E's going-forward commitments.

As stated above, President Peevey and Commissioner Florio are among the final arbiters of the applicable fines and penalties in all three Line 132 OIIs relating to the PG&E explosion, not only in their role as the assigned Commissioners in the three investigations, but also as voting members of the Commission. Their roles in these investigations are akin to the role of a judge as they will make the very important decisions on which state and federal laws PG&E

[9] See Exhibit 1

violated and the subsequent penalties and fine. President Peevey and Commissioner Florio will assist the Administrative Law Judges ("ALJs") in crafting their proposed decisions on the violations and penalties. Once the ALJs issue the proposed decisions, President Peevey and Commissioner Florio will vote on the proposed decision, along with the three other acting Commissioners.

The "judges"/decisionmakers in the three OIIs, Commissioner Florio and President Peevey, will also participate in the symposium. The judge in two of the three OIIs, Commissioner Florio, will sit on the "Leading Safety – What Does Regulatory Leadership Look Like" panel with the defendant, PG&E's President Chris Johns.[10] Nick Stavropoulos, PG&E's Senior Vice President of Gas Operations will sit on a panel entitled "Building a Climate and Culture of Safety."[11] The judge in the root cause OII, President Peevey, will make closing remarks and will most likely attend the symposium.[12]

The "prosecutor" in the Line 132 OIIs, the Consumer Protection and Safety Division ("CPSD"), now "Safety and "Enforcement Division," is holding the PG&E-CPUC Safety Symposium and PG&E initiated the PG&E-CPUC Safety Symposium.[13] CPSD's safety director, Brigadier General Jack Hagan, announced the symposium and will make opening remarks.[14] The Executive Director of the CPUC, Paul Clanon, will be a panel member on the "Leading Safety – What Does Regulatory Leadership Look Like?" with the defendant, PG&E's President Chris Johns.[15]

The prosecutor (CPSD), the judges (President Peevey and Commissioner Florio), and the defendant (PG&E) in the three OIIs will be discussing throughout the two day symposium the

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[10] See Exhibit 1

[11] *Id.*

[12] *Id.*

[13] *Id.*

[14] *Id.*

[15] *Id.*

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very subject matter that is at issue in the three OIIs: gas safety. PG&E will undoubtedly argue that the symposium will discuss going-forward safety commitments, but any discussion of going-forward safety commitments relates back to PG&E's gross negligence in the first place. The evidence the CPUC considers as it reaches its conclusion regarding the scope of the violations and penalties sufficient to deter PG&E from similarly deadly lapses in operation of its system in the future should be heard in the courtroom, not through a public relations attempt by PG&E to tout its alleged safety commitments in a symposium.

B. The PG&E-CPUC Safety Symposium Violates Commission Rules Prohibiting Ex Parte Communication in Adjudicatory Proceedings

Not only is the participation of PG&E and the Commissioners in a PG&E-CPUC Safety Symposium on the very subject matter of three investigations unethical and inappropriate, the participation of the defendant and the judges is a violation of the law. The participation of PG&E, President Peevey, and Commissioner Florio in the PG&E-CPUC Safety Symposium on subjects germane to three major Line 132 OIIs amounts to a prohibited ex parte communication under Commission Rules. The orders in the three investigations categorized the three OIIs as "adjudicatory" pursuant to Rule 7.1(c) of the CPUC's Rules of Practice and Procedure. Pursuant to CPUC Rules of Practice and Procedure 8.3, in "any adjudicatory proceeding, ex parte communications are prohibited" with any decisionmaker.[16] Rule 8.1(c) defines "ex parte communication" as any written or oral communication that:

> (1) concerns any substantive issue in a formal proceeding
> (2) takes place between an interested person and a decisionmaker, and
> (3) does not occur in a public hearing, workshop, or other public forum noticed by ruling or order in the proceeding, or on the record of the proceeding

Under the above-cited rule, an ex parte communication is prohibited between a "decisionmaker" and an "interested party." A commissioner falls under the definition of "decisionmaker" under Rule 8.1(b). An "interested person" includes "any party to the proceeding or the agents or employees of any party, including persons receiving consideration to

[16] See also Public Utilities Code §§ 1701.1 to 1701.4

represent any of them" and "any person with a financial interest . . . in a matter at issue before the Commission" under Rule 8.1(d).

Under the CPUC's very own rule, President Peevey and Commissioner Florio are prohibited from discussing any subject matter related to the PG&E explosion when it does not occur in a public hearing, workshop, or other public forum noticed by the ruling or order in the proceeding, or on the record in the proceeding. The interested party, PG&E, will communicate orally with the decisionmakers, President Peevey and Commissioner Florio, about a substantive issue, natural gas safety and emergency response, and this communication will not occur on the record. It seems unfathomable that in the PG&E-CPUC Safety Symposium there will be no discussion of PG&E's emergency response and its safety culture in relation to the September 9, 2010 explosion: the substantive issues in the three investigations.

In Decision (D.) 07-07-020, the Commission found that merely attending a meeting can violate the ex parte rules.[17] In D.07-07-020, a meeting was held between representatives of two telecommunications utilities and the Commissioners' advisors on the topic of access to 911 emergency services under Public Utilities Code Section 2883. The topic of 911 access had been raised in two CPUC proceedings at the time, a rulemaking and adjudicatory compliant involving violations of Section 2883. The Commission found that the two telecommunication utilities violated the rule against ex parte communications in the adjudicatory cases and issued a $40,000 penalty on both companies.

Decision 08-06-023 denied rehearing of D.07-07-020 and upheld the decision that the communication violated the rule against ex parte communications.[18] The decision listed circumstances for parties to consider when identifying ex parte communications:

1. The temporal proximity between an ex parte communication and a relevant adjudicatory proceeding;

[17] http://docs.cpuc.ca.gov/PublishedDocs/WORD_PDF/FINAL_DECISION/70330.PDF

[18] http://docs.cpuc.ca.gov/PublishedDocs/WORD_PDF/FINAL_DECISION/84123.PDF

2. The degree of overlap between the issues and parties; and

3. The potential that relief sought via the ex parte communication could detrimentally impact parties in a related adjudicatory case.[19]

When applying the first consideration, it is important to note the peculiar timing of the PG&E-CPUC Safety Symposium. The three investigations have not been adjudicated and will not until sometime in the Fall of 2013. The prosecutor, CPSD, and the Intervenors, including San Bruno, will have filed briefs on the parties' position on the fines and remedies in three investigations the day before the PG&E-CPUC Safety Symposium, May 6, 2013. The PG&E-CPUC Safety Symposium will be held on May 7-8, 2013. PG&E's defense brief on fines and remedies is due on May 24, 2013.

PG&E's going forward safety commitments, which will be discussed during the symposium, will be considered in the fine and penalty phase of the three investigations. When determining the amount of the penalty, President Peevey and Commissioner Florio will consider the appropriateness of such penalty to the size of the business of the person charged, the gravity of the violation, and *the good faith of the person charged in attempting to achieve compliance, after notification of a violation, shall be considered.*"[20] During this PG&E-CPUC Safety Symposium, which will be held during a critical time in the litigation between the parties, PG&E will undoubtedly put on a performance in front of the judges, President Peevey and Commissioner Florio, that it is doing everything it could to fix its widespread and systemic negligence of its system: one of the three elements President Peevey and Commissioner Florio will have to consider when making its decision on the fine and penalties in the three investigations under Public Utilities Code Section 2104.5. PG&E gets to do so, not in the courtroom and through legal briefs, but in a "PG&E-CPUC Safety Symposium" in front of the very decisionmakers that will determine its fate in just a few months.

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[19] *Id.*, page 20

[20] Public Utilities Code Section 2104.5

C. The PG&E-CPUC Safety Symposium is Yet Another Example of the Commission's Ineffective Posture as a Regulator

The PG&E-CPUC Safety Symposium is yet another example of the Commission failing to recognize its role as a regulatory of the utilities as opposed to a facilitator of the utilities' economic interests. For San Bruno, the Commission's "cozy relationship" with PG&E, and vice versa, was a major contributor to the Line 132 explosion.[21] Furthermore, the inappropriate nature of the Commission's actions is consistent with recent and well-deserving criticism of the CPUC's lax oversight. An internal report commissioned by the CPUC revealed and exposed significant problems at the CPUC. Specifically, that the CPUC continues to have a cozy relationship with the utilities it regulates and that it doesn't make safety a priority.[22] The following statements in the report were compelling:

> *"An overly-cozy relationship with regulated utilities: Several respondents report that both Commissioners and PUC staff members have close ties to the industries they are supposed to be regulating. This has resulted in a reluctance on the part of the Commissioners and the PUC to impose significant fines and other consequences . . ."*[23]
>
> *"If we were enforcing the rules we would not have to worry about a safety culture. If we were holding the utilities accountable and doing what we were supposed to be doing, San Bruno would never have happened."*[24]
>
> *"The executive director's aversion to conflict discourages PUC staff from taking on tough issues."*[25]
>
> *"Some staff believe that it is the PUC's failure to thoroughly 'check the boxes' and enforce existing regulations that is at the root of the safety crisis."*[26]

Not only do CPUC's own staff members believe that the CPUC is lax in its oversight and is too cozy with utilities, the National Transportation Safety Board found that CPUC's lack of oversight was a contributing cause to the explosion: "Also contributing to the accident was the

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[21] See NTSB report at 122, 126; Independent Review Panel Report at 20-21

[22] See Exhibit 3; CPUC Memorandum dated February 11, 2013

[23] *Id.* at page 14

[24] *Id.* at page 2

[25] *Id.*

[26] *Id.*

CPUC's failure to detect the inadequacies of PG&E's pipeline integrity management program."[27] The NTSB further explained that: "The ineffective enforcement posture of the California Public Utilities Commission permitted PG&E's organizational failures to continue over many years."[28] NTSB Chairman Deborah Hersman further elaborated: "Our investigation revealed that for years, PG&E exploited weaknesses in a lax system of oversight . . . we also identified regulators that placed a blind trust in the companies that they were charged with overseeing to the detriment of public safety."[29] The Commission's blue ribbon panel also found that the CPUC failed to oversee PG&E's natural gas operations effectively finding that the Commission and PG&E "must confront and change elements of their respective cultures to assure the citizens of California that public safety is the foremost priority."[30]

III. CONCLUSION

San Bruno urges the CPUC to demonstrate to the Intervenors in these proceedings, the residents of San Bruno, and to the public at large that its commitment to accountability is more than mere posturing, and to do so in these cases that are gravely important to the residents of San Bruno and the ratepayers of the State of California. San Bruno has a strong and vested interest in a CPUC process that follows the rules. San Bruno has participated in these proceedings in good faith for over two years in reliance on the belief that a just, transparent, reasonable outcome which is in the public interest can be achieved. San Bruno cannot achieve this outcome when the very decisionmakers that are determining PG&E's fate will be in the same room with PG&E discussing natural gas safety in a forum other than the courtroom. San Bruno respectfully requests an order to show cause why Commissioners Peevey and Florio should not be recused from the "Forging a New Vision of Safety in California" symposium pursuant to Rule 8.3, or in

[27] http://www.ntsb.gov/doclib/reports/2011/PAR1101.pdf, page xii

[28] http://www.ntsb.gov/doclib/reports/2011/PAR1101.pdf, page 125

[29] http://www.ntsb.gov/news/2011/110830.html

[30] Independent Review Panel Report at 8 and 18-22

the alternative, for an order suspending the safety symposium until Line 132 OIIs I.12-01-007, I.11-02-016, and I.11-11-009 are fully adjudicated.

Respectfully submitted,

/s/ Steven R. Meyers

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Attorneys for CITY OF SAN BRUNO

April 24, 2013

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EXHIBIT 1

STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

April 4, 2013

Greetings,

On behalf of the California Public Utilities Commission (CPUC), I invite you to attend the first in a series of safety symposiums to explore solutions to safety within California's utility services and infrastructure sectors. This symposium, *Forging a New Vision of Safety in California*, will be held May 7-8, 2013, in downtown San Francisco and will focus on natural gas safety issues. Sessions will be held at the Milton Marks Auditorium in the Johnson State Office Building at 455 Golden Gate Avenue. Please see the agenda below.

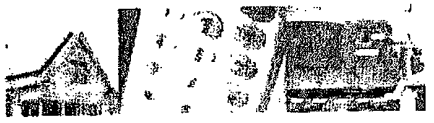
This symposium will allow representatives of the natural gas industry, government, and the public to convene and discuss ways to help create a climate and culture that embraces safety as an underlying and timeless principle in everything we do. The keynote speaker on the first day is Deborah A.P. Hersman, Chairman of the National Transportation Safety Board. Panels will follow Chairman Hersman's introduction to explore the climate and culture of safety, the regulator's role in leading safety change, and effective emergency response.

There is no charge to attend the conference, but reservations are requested so we can ensure space availability. Simply click on this symposium registration link and enter your information: http://events.signup4.com/cpucsafetysymposium. (Note that an optional dinner Tuesday evening at the Marines' Memorial Club requires an RSVP by May 1.)

As Director of the Safety and Enforcement Division of the CPUC, I believe our (industry and regulator) mission is to create a climate and culture that embraces safety as a tool and an enhancement to accomplish our organization's mission. This culture uses risk assessment and risk management as the foundation of assessing safety and the consequences of failure, and to assert that safety, with respect to human life and property, is non-negotiable. This symposium is an opportunity to establish collaborative relationships to develop solutions to the safety challenges we face in these dynamic times. I hope you will join me in this important dialog.

Sincerely,

Emory J. Hagan, III
Brigadier General (CA)
Director, Safety and Enforcement Division
California Public Utilities Commission



California Public Utilities Commission

Forging a New Vision of Safety in California

Natural Gas Safety Symposium

May 7-8, 2013, San Francisco

What: The first-ever gathering of California natural gas industry and regulatory leaders for a dialog about safety culture, the regulatory role in leading safety change, and effective emergency response.

Keynote speakers:

- Deborah A.P. Hersman, Chairman, National Transportation Safety Board
- Captain Chesley Sullenberger, *former US Air Captain*

Plus, panel discussions by industry and regulatory leaders

Where: Hiram Johnson State Building, Milton Marks Auditorium, 455 Golden Gate Ave., San Francisco

When: May 7, 2013, 1:30 – 4:45 p.m. and May 8, 2013, 8:30 a.m. – 12:30 p.m.

Agenda

Day 1: Tuesday, May 7, 2013, 1:30 p.m. – 4:45 p.m.

1:30 p.m.	**Welcome** Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
2 p.m.	**Keynote** Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*
3:15 – 3:30	**Break**

3:30 p.m.	**Panel 1: Building a Climate and Culture of Safety**
	Moderator: TBD
	TBD, Alaska Airlines
	Captain Jody Bridges, *USN, Director School of Aviation Safety, Pensacola FL*
	Robert C. Figlock, *President, Advanced Survey Design, LLC*
	Paul Levy, *former Chair of the Massachusetts Department of Public Utilities and former CEO of Beth Israel Deaconess Medical Center*
	Nick Stavropoulos, *Senior Vice President, Gas Operations, Pacific Gas and Electric Company*
5 p.m.	**Adjourn**

Evening Event (Optional)

6 p.m.	**Reception (cash bar), Marines' Memorial Club & Hotel, 609 Sutter St., San Francisco**
7 p.m.	**Dinner**
	Evening Keynote: Captain Chesley Sullenberger, *former US Air Captain, pilot of the "Miracle on the Hudson" aviation incident*

Day 2: Wednesday, May 8, 2013, 8:30 a.m. – 12:30 p.m.

8:30 a.m.	**Panel 2: Effectively Managing Pipeline Emergency Response**
	Moderator: TBD
	Jerry Schmitz, *Vice President, Engineering, SouthWest Gas*
	Joanne Hayes-White, *Chief, San Francisco Fire Department*
	Tim Butters, *Deputy Administrator, Pipeline and Hazardous Materials Safety Administration*
	Carl Weimer, *Executive Director, Pipeline Safety Trust*
10 a.m.	**Break**
10:15 a.m.	**Panel 3: Leading Safety – What Does Regulatory Leadership Look Like?**
	Moderator: Paul Clanon, *Executive Director, California Public Utilities Commission*
	Commissioner Mike Florio, *California Public Utilities Commission*
	Commissioner Paul J. Roberti, *Rhode Island Public Utilities Commission*
	Chris Johns, President, *Pacific Gas and Electric Company*
	Dennis Arriola, *President & Chief Operating Officer, Southern California Gas Company*
12 p.m.	**Concluding Remarks**
	President Michael R. Peevey, *California Public Utilities Commission*
	Brigadier General (CA) Jack Hagan, *Director, Safety and Enforcement Division, California Public Utilities Commission*
12:30 p.m.	**Adjourn**

EXHIBIT 2

BEFORE THE PUBLIC UTILITIES COMMISSION

OF THE STATE OF CALIFORNIA

Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company to Determine Violations of Public Utilities Code Section 451, General Order 112, and Other Applicable Standards, Laws, Rules and Regulations in Connection with the San Bruno Explosion and Fire on September 9, 2010.	I.12-01-007 (Filed January 12, 2012) (Not Consolidated)
Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company with Respect to Facilities Records for its Natural Gas Transmission System Pipelines.	I.11-02-016 (Filed February 24, 2011) (Not Consolidated)
Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company's Natural Gas Transmission Pipeline System in Locations with Higher Population Density	I.11-11-009 (Filed November 10, 2011) (Not Consolidated)

DECLARATION OF BRITT K. STROTTMAN IN SUPPORT OF MOTION OF THE CITY OF SAN BRUNO REQUESTING AN ORDER TO SHOW CAUSE WHY ASSIGNED COMMISSIONERS PEEVEY AND FLORIO SHOULD NOT BE RECUSED FROM THE "FORGING A NEW VISION OF SAFETY IN CALIFORNIA" SYMPOSIUM PURSUANT TO RULE 8.3, OR IN THE ALTERNATIVE, AN ORDER SUSPENDING THE SAFETY SYMPOSIUM UNTIL I.12-01-007, I.11-02-016, AND I.11-11-009 ARE FULLY ADJUDICATED

STEVEN R. MEYERS
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Attorneys for CITY OF SAN BRUNO

April 24, 2013

DECLARATION OF BRITT K. STROTTMAN

1. I am an attorney admitted to practice law in the State of California and serve as Special Counsel for the City of San Bruno, California ("San Bruno"). I make this declaration in support of the Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the "Forging a New Vision of Safety in California" Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated. I have personal knowledge of the following facts and if called as a witness I could and would testify competently thereto.

2. San Bruno did not receive notice of the California Public Utilities Commission (CPUC) and Pacific Gas and Electric Company (PG&E) safety symposium (CPUC-PG&E Safety Symposium) "Forging a New Vision of Safety in California" until I received a copy of the invitation from Marcel Hawiger, counsel for The Utility Reform Network, on April 9, 2013 at 12:50 p.m., five days after the CPUC distributed the invitation.

3. The CPUC did not invite San Bruno to the CPUC-PG&E Safety Symposium, nor ask any San Bruno representatives to participate in the CPUC-PG&E Safety Symposium.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that if called upon to testify, I could and would competently do so. Executed this 24th day of April 2013 in Oakland, California.

Britt K. Strottman

EXHIBIT 3

State of California

Memorandum

Executive Sponsors
Paul Clanon
Michael Peevey

Date: February 11, 2013

To: Directors

From: Paul Clanon, Executive Director
Amanda Hult, Safety Culture Change Project Co-Lead
Richard Oppenheim, Safety Culture Change Project Co-Lead

Subject: *CPUC Safety Culture Change Initial Discovery Report*

The attached report, completed by Business Advantage Consulting, outlines the results of the Initial Discovery stage of the Safety Culture Change project. This initial stage involved two steps: interviews with senior leadership and focus groups with [illegible]. We are asking that you treat this report as Confidential and do not distribute to anyone else.

Business Advantage Consulting will be attending the Directors' Meeting on Friday, February 15 to engage the Directors in a discussion about the results. As you review the report, consider the following questions as they will be discussed in the Directors' meeting:

- What surprised you about the report?
- What resonated for you?
- What can we do to maximize the chances of successfully changing the culture of the PUC?

As a recap, this project involves identifying safety culture issues; developing a strategy that identifies safety culture goals, objectives and action plans; and finally providing coaching to identified CPUC leaders to help meet goals, objectives and action plans. The specific steps of the safety culture change project scope include six stages:

1. [illegible]
2. [illegible]/Approach
3. Assessment
4. [illegible]dual Coaching Sessions
5. Follow Up Coaching Sessions
6. Results of Safety Culture Change

Now that we have completed the Initial Discovery Stage, we will be moving into the Strategy/ Approach stage of the Safety Culture Change project.

California Public Utilities Commission
Safety Culture Change Project

Initial Discovery Report

January 25, 2013

What Does A Safety Culture Look Like?

"If this were a safety culture, when we found something that is an unsafe practice, we would take action and the Commissioners would support us."

"Everyone at PUC would know what their role is regarding safety."

"We'll know we have a safety culture when Commissioners say 'yes' to our recommendations and 'no' to utilities when they ask for things that do not include safety considerations."

"We would be making hard decisions about prioritizing safety beyond other priorities."

"We will know that safety has become a priority when a safety decision is made by the Commissioners with a 5-0 vote."

"If we were enforcing the rules, we would not have to worry about a safety culture. If we were holding the utilities accountable and doing what we were supposed to be doing, San Bruno would never have happened."

INTRODUCTION

The California Public Utilities Commission (PUC) is seeking to change its culture to one of enhanced commitment, focus, and accountability to safety throughout the organization. The desire to change its culture was sparked by the recent gas pipeline disaster in San Bruno, which revealed cultural shortcomings in safety enforcement and oversight at the PUC.

The PUC has engaged Business Advantage Consulting (BAC) to facilitate its Safety Culture Change project, which will undertake an immediate and sustained effort to help PUC leadership in a guided process of culture change to apply the lessons of San Bruno to all of the agency's regulatory programs, and leave a PUC safety culture that permeates all of the agency's work. This project began with Phase 1, Initial Discovery, which consisted of a document review, interviews and focus groups. The purpose of the Initial Discovery Phase was to uncover the culture changes needed and to develop a draft problem statement that would allow the PUC to plan its culture change strategy.

This report includes the following sections:

Introduction - this section briefly describes the Safety Culture Change Project.

Draft Safety Culture Problem Statement - this section presents the draft Safety Culture Problem Statement, developed based on the findings from the Initial Discovery Phase.

Cultural Issues and Challenges - this section presents respondent identified safety culture issues and challenges related to PUC culture.

Structural Issues and Challenges - this section presents respondent identified structural issues and challenges related to a PUC safety culture.

External Pressure Issues and Challenges - this section presents respondent identified issues and challenges to a PUC safety culture that come from external pressures.

Participants Ideas and Suggestions - this section includes respondent ideas and suggestions for creating a safety culture at PUC.

Next Steps - this section presents BAC's recommendations for next steps.

Appendix - the Appendix includes interview and focus group protocols used during the Initial Discovery Phase.

As the first step in the Initial Discovery Phase, BAC team members reviewed recent internal and external assessments relating to the PUC's culture and functioning. Some of these documents focused directly on the PUC's strengths and challenges as a safety

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promoting and regulating entity (*Report of the Independent Panel: San Bruno Explosion (2011)*), while others assessed the PUC's strengths and challenges more broadly (*The Training Needs Assessment*, (June 2011); The *Pulse Employee Opinion Survey*, (February 2012).

During October through December 2012, BAC, in collaboration with PUC staff, developed an interview protocol to gather insights and observation from PUC leaders about safety at the PUC. BAC used the interview protocol to conduct fifteen interviews of PUC executives including the PUC Executive Director, Division Directors, and Legal Counsel during October, November and December of 2012. In January 2013, BAC team members conducted four focus groups comprised of PUC line staff, supervisors, and managers. BAC worked with PUC staff to develop three focus group protocols: one protocol for supervisor/manager focus groups, one protocol for line staff focus groups, and a separate protocol for Safety and Enforcement Division (SED) staff focus groups that addressed SED's unique mandate and issues regarding maintaining and sustaining a safety culture. The interview and focus group protocols can be found in the Appendix of this report.

The Initial Discovery Phase harvested a large amount of data and uncovered a wide range of issues and challenges to establishing a culture of safety at the PUC. BAC has organized these issues into three broad categories: cultural, structural and external pressures. We do not mean to imply that the issues are separate and discreet from each other. In fact, they are overlapping and interdependent. These categories are meant to organize the data into a high level structure to allow meaningful discussion, analysis, and strategic problem solving by PUC leadership.

DRAFT SAFETY CULTURE PROBLEM STATEMENT

The information gathered during the Initial Discovery Phase provides the backdrop and scope for the following problem statement:

> The current PUC culture has contributed to its past success. Leadership has determined that some aspects of this culture, however, need to change in order to promote a culture of safety. To make meaningful progress toward this goal, PUC leadership must confront issues in three categories of barriers to a culture of safety: cultural, structural and external pressures. PUC leadership must analyze these issues, develop strategic safety goals, and take strong, effective, consistent and sustained action to achieve these safety goals.

Each issue is discussed in more detail in the body of this report. Where appropriate, issues are followed by illustrative comments from PUC interviewees or focus group participants. We wish to make clear that the issues identified in this report represent the views and perceptions of the respondents. This report is not an evaluation of the

objective truth of those views and perceptions. To summarize, a non-prioritized list of all issues is included below:

I. Cultural
   A. A pragmatic culture that sees safety as "one of three competing priorities"
   B. Safety is considered less compelling than other priorities
   C. An "open" and "casual" culture sends conflicting messages about accountability
   D. Lack of follow up mechanisms and follow through consequences
   E. Lack of consistent safety modeling and messaging from PUC leadership
   F. Excessive process inhibits staff initiative
   G. The perception that safety culture is the "flavor of the month"
   H. Lack of individual assessment and accountability
   I. Lack of a unifying strategic vision
   J. PUC staff lack an understanding and appreciation of the goals, objectives, roles and responsibilities of divisions outside of their own
   K. Divergent views among PUC employees regarding the effectiveness of "carrot" versus "stick" regulatory approaches leads to a lack of consistency
   L. The Executive Director's aversion to conflict discourages PUC staff from taking "tough issues" head on
   M. An historic lack of advocacy for safety at the Commissioner level

II. Structural
   A. Staff lack the necessary tools and supports for effective safety analysis
   B. There are insufficient mechanisms for cross divisional communication and collaboration
   C. Cross divisional promotion depletes content-area expertise and experience
   D. PUC is not evaluating the outcomes of its policies and decisions
   E. Some staff believe that it is the PUC's failure to thoroughly "check the boxes" and enforce existing regulation that is at the root of the safety crises
   F. SED has lacked the power and influence necessary to serve as a safety leader
   G. Director meetings do not address shared safety goals
   H. PUC databases do not support effective analysis or information sharing
   I. PUC managers lack both supervisory and leadership skills

III. External Pressures
   A. An overly-cozy relationship with regulated utilities
   B. Pressure from the legislature and large number of environmental and rate payer lobbyists and activists keep focus on those areas

A detailed description of each issue is included in the next three sections of the report.

I. CULTURAL ISSUES & CHALLENGES

Cultural issues and challenges that emerged during the Initial Discovery Phase include basic assumptions, norms, behaviors, actions, and values that have developed over time.

A. **A pragmatic organizational culture in which safety is viewed as "one of three competing priorities":** Many PUC staff view themselves as analysts and pragmatists who understand accidents to be "inevitable". These respondents insist that safety goals and interests must be carefully balanced against the competing goals and interests of affordability and reliability in order for the PUC to succeed.

"We can't focus on one element of our mission to the detriment of the others."

Throughout the focus groups and interviews, respondents used the question "[illegible]"

B. **Safety is considered less compelling than other priorities:** For many years, the PUC has been celebrated as a leader in representing ratepayers and for promoting innovative and green technologies. There has been little attention and limited resources directed toward reliability, and even less toward safety by the Legislature and the Commissioners. [illegible] (DRA)

Because safety is considered to be "off the radar screen" of most Commissioners and legislators, it is considered to have little cache for PUC staff and managers.

"We get focused on hot projects and priorities and safety does not usually get that much attention."

"Our values [illegible] get focused on ensuring low prices and supporting environmental attributes. We are very enamored with clean energy and low rates. They drive policy making, not safety concerns."

"For the past ten years we have been mostly focused on climate changes policies. Everything else takes a back seat. We have not been focused on operating the safest infrastructure."

C. **An "open" and "casual" culture sends conflicting messages about accountability:** While the PUC's open and casual culture (e.g. dress code, the Executive Director's open-door policy, San Francisco address, lack of employee evaluations, industry's easy access to the PUC), is credited with promoting open communication and innovation, it is also blamed for sending the wrong message to

both staff and regulated industries about accountability. Respondents reported that regulated industries have too much access to the PUC building, documents and personnel, and see too little in terms of significant fines and consequences to view the PUC as a serious regulator. Similarly, the casual approach of the Executive Director and other PUC senior leaders sends the message to staff that they will not be held accountable for their actions.

"The regulated industries and lobbyists come to the PUC and see how casual the attitude and culture is here. As a result, they don't feel that they have to comply – they are not worried. The message to them is that we are not paying attention."

"We are not disciplined. How can we expect to see discipline in the utilities?"

D. **Lack of follow up mechanisms and follow through consequences:** While the PUC can be highly effective at gathering and tracking essential safety data, identifying safety issues, and creative problem-solving, there is a lack of clear processes for following up and a lackadaisical attitude toward follow through. Respondents reported that meetings (from line staff meetings, to Division Director meetings to commission meetings) do not include sufficient mechanisms for tracking the implementation and outcomes of previous decisions; and that internal resources are not allocated to evaluate or encourage compliance at the back-end, i.e. review of how utilities actually spent money allocated to them for safety improvement projects). In addition, respondents report that there is little to no consequences for employees who fail to follow up, or for utilities who fail to follow through.

"We must make consequences more than a slap on the hand."

E. **Lack of consistent safety modeling and messaging from PUC leadership:** While most respondents believe that the Executive Director has a sincere desire to improve the safety outcomes of the PUC, many believe that he and other leaders are not providing the consistent messaging and behavior necessary to support fundamental change. Respondents point to several attitudes and behaviors displayed by the Executive Director that they consider to be "anti-safety". These include: resistance to challenging utilities, resistance to levying fines, unwillingness to re-allocate organizational resources, failure to complete employee evaluations, failure to provide consequences to staff, resistance to confronting internal conflicts.

"If Paul does not insist on change, there will be no change. There must be a constant reminder. We need to bring concrete and relevant information to the staff. We need to continually broach the issue – there is always a safety aspect to everything we do. It needs to be considered in all of our decisions."

"You need to have disciplined leadership – employees pick up on the cues and emulate what they see."

"We need consistent messaging from senior management that things need to be changed and management needs to show us support by responding to our needs and complaints…"

F. **Excessive process inhibits staff initiative:** According to respondents, when staff identify issues or propose new approaches, those decisions/recommendations must be reviewed by numerous layers of management before reaching upper leadership. Bottlenecks occur regularly in middle management and the majority of issues or recommendations are considered too late in the process or else never reach decision-makers at all. Failing to see their ideas acknowledged, staff lose their initiative to be innovative or proactive in the future.

G. **The perception that safety culture is the "flavor of the month":** According to several respondents, PUC's culture is often resistant to change. Staff report receiving directives from upper management that they consciously ignore, believing that if they wait, "this too shall pass."

When presented with the Safety Culture Change Project several respondents indicated their belief, that it was a superficial response to outside pressures and, as a result, would be gone from the radar before long.

"Once there are no accidents again, safety will go on the back burner for the other divisions."

"There is a disincentive for staff to tackle safety, it would mean taking on more work by myself for no reason and without support."

H. **Lack of individual evaluations and accountability:** [redacted] and had not conducted evaluations of their own staff. Neither staff nor leadership who participated in the discovery phase reported experiencing consequences for failure to complete employee evaluations outside of the probationary timeframe.

I. **Lack of a unifying strategic vision:** Many respondents believe that the PUC determines its priorities and allocates its resources solely in reaction to legislative

and media pressures, and that there is no larger, long-term vision guiding and unifying staff around safety and other shared goals.

Many of the staff and leadership interviewed expressed the belief that enforcing safety is strictly the job of the Commissioners and the SED.

> *"Commissioners should be watching the regulatory and safety piece. We shouldn't be doing this."*

Outside of the SED, many staff and managers do not believe they have a role in creating and sustaining a safety culture. Many PUC staff and managers see their division's individual goals as mutually exclusive from other divisions.

> *"There isn't enough about safety in our vision." We have to show people the importance of safety. We must make it relevant to people."*

> *"The problem here is not the staff, it is the system. Need to have a strategic plan about safety goals."*

J. **PUC staff lack an understanding and appreciation of the goals, objectives, roles and responsibilities of divisions outside of their own:** According to respondents, at the staff, supervisor, manager and even director level, there is a general lack of understanding of what other divisions do and why they do it. This lack of understanding reinforces silos, hording of resources, and the lack of communication currently experienced among PUC's divisions.

K. **Divergent perspectives among PUC employees regarding the effectiveness of "carrot" versus "stick" regulatory approaches leads to a lack of consistency:** PUC employees do not agree on the most effective method for achieving compliance among the regulated utilities. While some staff firmly believe the PUC must use its significant financial and regulatory power to extract compliance, others believe that punishing the utilities with heavy fines does not work to either parties' benefit.

> *"If you punish your child (i.e., PG&E) all the time for speaking up, they're not going to come to you when there's a fire in the closet (a risk)."*

This inconsistency in vision and approach is seen throughout the PUC's divisions. Many employees consider compliance in very "black and white" terms. This schism appears to be due in part to an incomplete vision and message from PUC leadership regarding compliance:

"We are not being proactive. We are just dragging them (the utilities) with us."

"We were told to issue citations. We issued citations. Then we are told that we should meet with them to discuss how they could comply without complying to the law. We are told to be inconsistent. No matter what we do, they change it."

L. **The Executive Director's aversion to conflict discourages PUC staff from taking tough issues head on:** Several respondents reported that the Executive Director is hesitant to intervene in internal conflicts such as in disagreements over personnel and other resource allocations among division directors. In general, respondents report that PUC culture is very "risk averse" and works against "sticking your neck out".

"A don't 'upset the apple cart' mentality leads to people not challenging things, underperforming and not paying close attention, not showing the regulated industries that they are being watched and that the PUC is serious."

"I, as a director am told not to say anything. don't cause problems, how are we to regulate the utilities?"

"We need to be more transparent – open up to whistleblowers. Get away from 'the old boys network."

M. **An historic lack of advocacy for safety at the Commissioner level:** According to respondents, most Commissioners express minimal interest in or support for safety initiatives. Commissioners review few cases regarding safety on a pro-active basis and have minimal contact with SED personnel. The Commissioners' policy analysis and decision-making processes have historically not considered safety impacts, and there has been no evaluation of previous decisions to evaluate their long-term impacts on safety. In addition, the Commissioners have decided against several SED recommendations due to cost, political, and other considerations.

"Commissioners consider safety issues routine. They are not interested in discussing it."

"Commissioners need more political backbone to fine or punish utilities. They need to see its not just a cost of doing business."

"When Commissioners vote, they don't support safety, so there's no incentive for the utilities to be safer. If they knew they were 100% liable for safety problems, they'd take it more seriously. If the commission lets them put the burden on ratepayers, rather than shareholders, there is no incentive for the utilities to change."

II. STRUCTURAL ISSUES & CHALLENGES

Structural issues and challenges identified during the Initial Discovery Phase include resource, policy, process, communication, training, and technology barriers to creating a safety culture.

A. **Staff lack the necessary tools and supports for effective safety analysis:** Respondents indicated that PUC staff and managers lack the training, time, processes and management support to effectively identify, analyze and move forward safety concerns and considerations. There are no existing mechanisms for inserting safety concerns into the record. Often, when safety is considered in a case proceeding it is at the end of the process, when it is too late to make necessary changes. In addition, there are imbalances in personnel classifications. The PUC was previously staffed primarily by engineers, but over the past few decades, engineers have been replaced by policy experts, many of whom lack the training and orientation to conduct risk assessment/risk management.

"I don't know who to call when I don't understand a safety issue."

"Other divisions haven't been given a clear enough directive on what safety is."

"We have lack of expertise within the commission to evaluate safety. We prioritize for rates and affordability. DRA doesn't know how to analyze a dam. "

- There are insufficient mechanisms for cross-divisional communication and collaboration. This was the most common complaint among division directors, managers, supervisors and staff. According to respondents, the PUC offers few opportunities for staff to collaborate across divisions on issues that affect them. Lack of cross-divisional communication and collaboration was blamed for several of the PUCs current safety woes including: lack of access to critical data, ineffective risk assessment and planning, ineffective oversight, duplication of effort, and delays in response times. Respondents documented that cross-divisional collaboration is [illegible] by inherent conflicts within the regulatory process between [illegible] proceeding.

"If we all knew better what we were doing, we could share the load better. We could work smarter."

"Energy, DRA and SED need to interact with each other. They need to understand how they are all connected."

C. **Cross divisional promotion depletes content-area expertise and experience:** The regular practice of promoting across divisions rather than within divisions means that PUC staff take their subject matter expertise and insight out of the divisions to which it relates. Because there are few mechanisms supporting cross-divisional communication and collaboration, significant content knowledge is not often transferred to incoming staff members, making meaningful safety assessments more difficult.

D. **PUC is not evaluating the outcomes of its policies and decisions:** Respondents indicated that, from the Commissioners down to the staff level, there are few mechanisms for assessing or evaluating the outcomes of previous actions and decisions. There is no process or model for evaluating what worked and what did not and for creating recommendations regarding what should be done differently in the future. This is true both for decisions regarding issues internal to the PUC and for issues regarding external entities (utilities). While audits are regularly completed by SED and other divisions, there is no process for follow up to findings.

"Commissioners don't see follow up regarding the decisions they make. They make a decision and then move on."

"If you are promoting safety, you have to have mechanisms for implementing safety strategies and evaluating them. You must have an auditing mechanism."

E. Some staff believe that it is the PUC's failure to thoroughly "check the boxes" and enforce existing [illegible] is the root of the safety crisis.

"It is not rocket science to do regulations. We have clear and explicit guidelines."

"PUC inspectors were not being trained properly. They were not even 'checking the boxes' because if they did, they would have noticed something was amiss."

"We need to check the box, before you can walk outside the box."

F. **SED has lacked the power and influence necessary to serve as a safety leader:** Respondents report that for many years, power and resources have been allocated inequitably at the PUC. While some divisions such as Energy and DRA have received significant resources and attention from the Commissioners, other divisions (namely SED and Water), have been treated as undervalued, and at times, invisible stepchildren.

"Safety staff doesn't feel like they are a valued part of the agency. Commissioners don't talk to them."

According to several respondents, SED has been at times, both the perpetrator and the victim of this dynamic. By several accounts, SED has functioned for many years without the necessary staffing, resources and access to the Commissioners that it has needed to bring safety to the fore. At the same time, some respondents believe that SED has perpetrated its outsider status by functioning as a rigid and closed system [illegible]

"SED needs to realize that their role is to advocate for safety and think beyond doing safety inspections. They need to think more deeply about who needs the data they have collected."

"When SED takes sole responsibility for safety, everyone else takes it off their plate."

"SED needs to be telling us on a daily basis what they are finding. They should always be communicating what they are finding in terms of inspection."

"SED has not been trained in risk assessment and mitigation, and is not geared in that direction."

G. **Director meetings do not address shared safety goals:** Director meetings are viewed as ineffective in promoting cross division sharing, analyses or problem solving regarding safety issues. For example, according to one respondent:

"Paul has not led the directors in any shared goal setting or strategic planning" Safety is not an agenda item at the meetings."

H. **PUC databases do not support effective analysis or information sharing:** According to respondents, PUC divisions host a set of disparate databases that are difficult to utilize for effective data sharing and data analysis. Challenges include: duplicate entries, difficulty in pulling clear and succinct reports, and data being input into different parts of the system where it cannot be seen together. To support safety

planning goals, staff require more flexible and integrated systems that are able to initiate data analysis. For example, staff should be able to give the system parameters of what types of data constitute an elevated risk to safety. When these parameters are reached from data entered by a regulator, the system should automatically generate and send out a report to key decision makers to flag a potential safety issue. Staff should be able to request risk profiles and receive notifications of potential issues.

I. **PUC managers lack both supervisory and leadership skills:** Respondents indicated that technical expertise, rather than leadership effectiveness has been the primary reason for promotion at the PUC. Following promotion to supervisory positions, new PUC managers do not participate in the mandatory supervisory training required by the State.

> *"Managers here are very weak. They are technical experts who don't know basic management skills. Many have not taken the mandatory 40 hour supervisor training, and most don't do evaluations."*

III. EXTERNAL PRESSURE ISSUES & CHALLENGES

External pressure raises issues and challenges to a safety culture. Issues identified by respondents include the low priority placed on safety by external PUC stakeholders as well as the influence of powerful industry and other advocates on PUC decision-makers.

A. **An overly-cozy relationship with regulated utilities:** Several respondents report that both Commissioners and PUC staff members have close ties to the industries they are supposed to be regulating. This has resulted in a reluctance on the part of the Commissioners and the PUC to impose significant fines and other consequences:

> *"For years the Commissioners did not want to levy fines for safety violations. The culture was 'we will work with the utilities without using the stick...A decade of no fines."*

> *"Safety staff did not feel empowered to suggest large fines because the Commissioners would not approve them."*

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PARTICIPANT IDEAS AND SUGGESTIONS

The following is a list of ideas and suggestions for creating a safety culture gathered from PUC interviewees and focus group participants.

- Develop cross functional and cross divisional workgroups
- Develop safety panels within each division
- Develop an orientation program for new employees that introduces them to each of the PUCs divisions.
- Expand the risk assessment group to other divisions outside of the SED.
- Early in case proceedings, identify the need for cross-divisional participation. Provide access to needed staff.
- [illegible] where staff can discuss the breadth of issues before the Commission.
- Utilize SED staff to provide training on safety analysis risk management.
- [illegible] To get around legal barriers, have SED hire consultants to keep clear wall around cases.
- ALJ has been looking at procedures to support safety consideration at every step. To create a record to capture safety issues for each decisions. This will require that Commissioners are aware of the safety impacts.
- Hold a forum for SED to discuss issues on a regular basis with the energy and legal division. Build this into SED's strategic plan.
- Utilize the Safety Council as a clearinghouse for reviewing safety-related decisions and workplanning next steps.
- Provide training for all employees in risk assessment and risk analysis approach, philosophy and practices.
- [illegible]

It is very important that SED communicate with their state and federal colleagues regarding what they are finding and develop a collaborative strategy for responding to issues.

- All PUC leaders need help in translating the larger PUC goals and mission into their day-to-day work plans and connecting their work plans to larger goals and mission.

- Best Practice: Energy holds "First Friday Forum" in which one of its 15 sections does a "deep dive" into their topic.

- Look at ratio of PUC inspectors to other states in terms of pipeline [illegible] if PUC is making the correct allocations in this area.

- Look closely at how the Safety Council is functioning and optimize its effectiveness. (e.g. make sure to include key players, provide processes and support for implementing decisions, needs an evaluation mechanism, needs process for communicating decisions to staff)

- Build protocol into the Commission's policy analysis and decision-making processes that looks at the longer term connections to impacts on safety ("the flow through to safety impacts")

- Set expectation by including safety in job descriptions, evaluations etc. Reward staff who meet safety goals [illegible] al safety behaviors.

- Provide directors, managers and supervisors training in, support for and consequences for not completing employee evaluations.

- Create a str[illegible]tion between Commissioners and safety staff.

- Hold inter-division forums/meetings to educate staff on the goals and objectives of each PUC division.

- Require safety to be part of every work product. Embed safety criteria/considerations/analyses in all decision-making templates. Must be weighted equally to financial considerations.

- Hold additional directors meetings (once every 6 weeks) where directors can brainstorm and problem solve together regarding H.R.-related issues. This would take these issues off the table at the regular directors meetings.

- Connect the dots between what happened in San Bruno and the decisions that led to the accident. Expand staff understanding of what "safety" really is and their

connection to it. (look at National Transportation Safety Board example regarding Washington, D.C. train crash).

- Hold an off-site with the entire staff one time a year that focuses exclusively on safety and safety goals.

NEXT STEPS

The information derived from our Initial Discovery Phase will now be used in our Strategy Development Phase. During this phase, BAC will facilitate a culture change process that will help foster a safety culture at the PUC. This process will help leadership clearly define the desired change, identify strategies and actions to implement the change, and create a forum for reporting progress and ensuring accountability.

The culture of an organization is difficult to change because it is hard to see. Culture is the pattern of basic assumptions and norms developed over time in response to the specific needs of the organization. These assumptions constitute "the way we do things around here," and are taken as the facts of reality itself.

In this way, culture is like a computer's operating system. If you try to install a new program that is in conflict with an old operating system, it will be rejected. Similarly in culture change, if the change is implemented using the usual methods the organization is accustomed to ("the way we do things"), the change effort will likely be rejected by the culture.

The bottom line: you can't implement a new culture using only the typical methods of the old culture.

For these reasons, BAC will advise PUC leadership to implement its culture change using methods that may be different from those it has used in the past. These new methods will seem awkward and uncomfortable. This discomfort is actually a good sign because it means we are changing the operating system.

The Strategy Development Phase will be initiated by PUC leadership at a series of problem-solving meetings to interpret the Initial Discovery data and select safety goals. The roadmap for this process will be jointly created by BAC and PUC leadership. BAC suggests that the following change management best practices be considered as we design the change effort together:

1. Create a clear vision of what PUC is trying to achieve in a "safety culture."

2. Have a candid conversation of the current state of reality and the barriers to achieving this vision.

3. Increase the number of people, levels, divisions and units that participate in interpreting the data, selecting the goals, and planning the change.

4. Create a designated change team that guides the process and reports to the Executive Director. This team should be comprised of people who are engaged advocates for safety from multiple divisions and levels.

5. Select high level goals that if accomplished will achieve the vision. Include small wins and "low-hanging" fruit among these goals to build momentum.

6. Select metrics for each goal that will allow the organization to measure progress.

7. Ensure accountability by assigning executive level sponsors for each goal and metric and provide individual coaching as needed.

8. Develop strategies, activities and workplans for each goal with assigned staff and resources.

9. Create a forum and process for regular reporting and department-wide communication on the goal metrics. Include avenues for two-way communication to ensure that feedback is incorporated into modifications to the culture change plan.

Appendix

Interview Questions for PUC Leadership

1. PUC is focused on creating a safety culture. If that was successful, what would that look like?

Probes: *What would be done differently? What would be the most significant changes that would have to take place?*

2. What is helping and what is hindering the PUC in terms of creating a safety culture?

***Probes (1)**: Is safety a high priority of most leadership/of most staff? Why/why not? If not, what issues resonate most with leadership and staff right now?*

***Probes (2):** What role does PUC's current culture play in helping/hindering to develop a safety culture? How are decisions made? What do meetings look like? How do problems generally get solved? How do employees know if they are doing well or doing poorly? For what types of behavior are people rewarded and punished? What do people do here to deal with the unknowable and uncontrollable?*

3. What do you see as the core values of the PUC?

Probes: *Where are PUC leaders aligned with these values? What is enabling and encouraging this alignment? What best practices regarding safety culture are evident in your division? Across the organization? Where do you see leaders motivating their staff to engage in safety promoting behaviors? How are they doing this?*

4. What do you see as the greatest challenges for PUC leaders in creating a safety culture?

***Probes**: Where are leaders out of alignment with PUC values? Why is this happening? What tools do PUC leaders require that they do not have? What is the most effective strategy for providing them these tools?*

5. What are the most effective strategies for fostering collaboration and shared goals across divisions?

Probes: *How challenging is the issue of silos? Are there any current contexts in which leadership is successfully working together? How can the silos at PUC be broken down? Is working together rewarded? How can we encourage cross communication across silos and focus leaders on shared goals?*

6. What will be the most effective strategies for engaging PUC leaders in promoting a safety culture?

Probes: *What will convince leaders that engaging will make a difference? What data will be persuasive? What type of language should we be using to talk about safety culture?*

7. Which staff and managers do you think would be most helpful to include in a focus group dealing with these same issues?

Focus Group Questions for Line Staff

1. PUC is focused on moving from a "check the boxes" approach to a "risk management/mitigation" approach and creating a "safety culture." What is your understanding of the main differences between these two approaches? What do you think is meant by a safety culture?

2. What changes would have to be made at the PUC to switch to this new approach and move towards a safety culture?
   Probes: *What is helping and what is hindering the PUC in terms of creating a culture focused on safety? Is safety a high priority for most staff? To your managers? To you personally? Why or why not?*

3. How has the PUC handled goal setting regarding safety as an organization?
   Probes*: Do you feel the PUC is holding itself accountable? What is Leadership's role in safety? What changes need to be made to goal setting to support a safety culture?*

4. What messages about safety are you receiving from your supervisors/managers?
   Probes*: What information regarding safety initiatives is being passed to line staff? Are these messages consistent? How are these messages backed up with actions/resources etc?*

5. How is safety behavior/safety considerations incorporated into your daily work?
   Probes*: Are you able to contribute ideas about how to include safety in daily work/goals of your division? How are you getting support for safety initiatives from your managers? Are you being held accountable for the success of these initiatives? What else do managers need to be doing to support you/ to increase staff-buy in?*

6. What tools/resources do you need to support you in creating a more safety-focused work environment? What is the most effective strategy for providing you these tools?

7. How much communication, collaboration and shared goals are taking place with regard to safety at the PUC? Across the different divisions? What communication barriers have you seen between staff, managers and leadership? Can you think of any examples of where either staff, managers or leadership are successfully working together around safety goals? Why do you think this is able to happen?

8. Should there be any changes in how the agency disseminates safety information internally? Externally, to the public? What type of communication tools should be used to talk about safety culture at the PUC? (meetings, trainings, emails, memos, poster campaign, social networking, etc.)

9. What will convince you that a safety culture is a priority? What will convince your colleagues that safety is a priority? What would be most effective for creating buy-in and people's attention?

Focus Group Questions for PUC Managers/Supervisors

6. PUC is focused on moving from a "check the boxes" approach to a "risk management/mitigation" approach and creating a "safety culture." What is your understanding of the main differences between these two approaches? What do you think is meant by a safety culture? What changes would have to be made at the PUC to switch to this new approach and move towards a safety culture?

7. In your opinion, what is helping and what is hindering the PUC in terms of creating a culture focused on safety?
Probes: *In your opinion, is safety a high priority for most leaders/managers/staff? For you personally? Why or why not?*

3. *How has the PUC handled goal setting regarding safety as an organization? Do you feel the PUC is holding itself accountable? What changes need to be made to goal setting to support a safety culture?*

4. How are you incorporating safety behavior/safety considerations into your daily work and decision-making and in the work/decision-making of your staff?
Probes: *How are you getting support for safety initiatives from staff? What information regarding safety initiatives is being passed to line staff? What else do managers need to be doing to increase staff-buy in?*

5. What do you see as the greatest challenges for yourself and other PUC managers/supervisors to supporting safety behavior/considerations?

6. Are you getting the support you need from PUC leadership? What else do you need? What else should leadership be doing to support the creation of a safety-focused culture here?

7. What tools/resources do you need to support you in creating a more safety-focused work environment? What is the most effective strategy for providing you these tools?

8. How much communication, collaboration and shared goals are taking place with regard to safety at the PUC? Across the different divisions? What communication barriers have you seen between staff, managers and leadership? Can you think of any examples of where either staff, managers or leadership are successfully working together? Why do you think this is able to happen?

9. Should there be any changes in how the agency disseminates information internally? Externally, to the public?

10. What will convince you that a safety culture is a priority? What will convince managers/supervisors and staff that safety is a priority? What would be most effective for creating buy-in and people's attention? What type of communication tools should be used to talk about safety culture at the PUC? (meetings, trainings, emails, memos, poster campaign, social networking, etc.)

Focus Group Questions for SED Staff

1. PUC is focused on moving from a "check the boxes" approach to a "risk management/mitigation" approach and creating a "safety culture." What is your understanding of the main differences between these two approaches?

2. What changes would have to be made; 1) inside of the SED and 2) across the entire PUC, to switch to this new approach and move towards a safety culture?

3. What is helping and what is hindering the PUC in terms of creating a culture focused on safety? ***Probes:*** Is safety a high priority for staff and managers outside of the SED? What needs to be done to make safety a higher priority?

4. Has there been any change in how safety issues have been handled by SED post-San Bruno? ***Probes****: Did the PUC hold itself accountable enough for the incident? What have been the major changes? How effective have these changes been? What else needs to happen?*

5. What is helping and what is hindering the SED in supporting its safety goals? ***Probes****: Does SED have the resources it needs to meet its safety goals? What else does the SED need from PUC leadership?*

6. What messages about safety are you receiving from your supervisors/managers? ***Probes*** *Are you able to contribute ideas about how to include safety in daily work/goals of your division? How are you getting support for safety initiatives from your managers? What else do managers need to be doing to support you/ to increase staff-buy in?*

7. What tools/resources do you need to support you in creating a more safety-focused work environment? What is the most effective strategy for providing you these tools?

8. How much communication, collaboration and shared goals is taking place with regard to safety at the PUC? Across the different divisions? What communication barriers have you seen between staff, managers and leadership? Can you think of any examples of where either staff, managers or leadership are successfully working together around safety goals? Why do you think this is able to happen?

9. Should there be any changes in how the agency disseminates safety information internally? Externally, to the public? What type of communication tools should be used to talk about safety culture at the PUC? (meetings, trainings, emails, memos, poster campaign, social networking, etc.)

10. What will convince you that a safety culture is a priority? What will convince your colleagues that safety is a priority? What would be most effective for creating buy-in and people's attention?

CERTIFICATE OF SERVICE BY ELECTRONIC MAIL

I, the undersigned, state that I am a citizen of the United States and am employed in the City of Oakland, County of Alameda; that I am over the age of eighteen (18) years and not a party to the within cause; and that my business address is 555 12th Street, Suite 1500, Oakland, California, 94607

On April 24, 2013, I served a true copy of:

MOTION OF THE CITY OF SAN BRUNO REQUESTING AN ORDER TO SHOW CAUSE WHY ASSIGNED COMMISSIONERS PEEVEY AND FLORIO SHOULD NOT BE RECUSED FROM THE "FORGING A NEW VISION OF SAFETY IN CALIFORNIA" SYMPOSIUM PURSUANT TO RULE 8.3, OR IN THE ALTERNATIVE, AN ORDER SUSPENDING THE SAFETY SYMPOSIUM UNTIL I.12-01-007, I.11-02-016, AND I.11-11-009 ARE FULLY ADJUDICATED

BY E-MAIL OR ELECTRONIC TRANSMISSION: serving the enclosed via e-mail transmission to each of the parties listed on the official service list (attached) for **I.12-01-007, I.11-02-016, and I.11-11-009** with an email address.

I certify and declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed in Oakland, California on April 24, 2013.

/s/ Britt K. Strottman
Britt K. Strottman

CA.GOV California Public Utilities Commission

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From: Fitch, Julie A. <julie.fitch@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 2:47 PM
To: Doll, Laura
Subject: Re: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Oh, that. I already forgot!

Sent from my iPhone

On Apr 24, 2013, at 2:44 PM, "Doll, Laura" <LRDD@pge.com> wrote:

>
>
> FYI....
>
> This afternoon, the City of San Bruno filed the attached motion seeking to have Commissioners Peevey and Florio recused from attending the upcoming CPUC sponsored safety symposium or, in the alternative, to delay the symposium until after the San Bruno related enforcement proceedings are resolved. The motions cites the conflict of having the "prosecutor", "defendant", and "judges" in the enforcement proceedings participate in the symposium and the potential for ex parte violations. Although organized and sponsored by the CPUC, the motion refers to the symposium as the "PG&E – CPUC Safety Symposium." The motion asserts that the City of San Bruno was not invited to participate in, or attend, the symposium and was not aware of the symposium until notified of it by TURN. The motion also references and attaches the recently released consultant report containing statements by CPUC staff critical of the CPUC's safety culture.
>
> Bruce
> 3-2616
>
> From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
> Sent: Wednesday, April 24, 2013 12:47 PM
> To: mark.wetzell@cpuc.ca.gov<mailto:mark.wetzell@cpuc.ca.gov>; Yip-Kikugawa, Amy C. <amy.yip-kikugawa@cpuc.ca.gov<mailto:amy.yip-kikugawa@cpuc.ca.gov>> (amy.yip-kikugawa@cpuc.ca.gov<mailto:amy.yip-kikugawa@cpuc.ca.gov>); StephanieC@greenlining.org<mailto:StephanieC@greenlining.org>; kdaly@stinson.com<mailto:kdaly@stinson.com>; catherine.mazzeo@swgas.com<mailto:catherine.mazzeo@swgas.com>; dng@SempraUtilities.com<mailto:dng@SempraUtilities.com>; jmh@cpuc.ca.gov<mailto:jmh@cpuc.ca.gov>; rcc@cpuc.ca.gov<mailto:rcc@cpuc.ca.gov>; tbo@cpuc.ca.gov<mailto:tbo@cpuc.ca.gov>; theresa.mueller@sfgov.org<mailto:theresa.mueller@sfgov.org>; tlong@turn.org<mailto:tlong@turn.org>; Cherry, Brian K; Johns, Christopher; Jordan, Lise (Law); JMalkin@Orrick.com<mailto:JMalkin@Orrick.com>; BCragg@GoodinMacbride.com<mailto:BCragg@GoodinMacbride.com>; Meyers, Steven; bmcc@mccarthylaw.com<mailto:bmcc@mccarthylaw.com>; martinhomec@gmail.com<mailto:martinhomec@gmail.com>; ESelmon@Jemzar.com<mailto:ESelmon@Jemzar.com>; RegRelCPUCCases; cassandra.sweet@dowjones.com<mailto:cassandra.sweet@dowjones.com>; enriqueg@greenlining.org<mailto:enriqueg@greenlining.org>; jheckler@levincap.com<mailto:jheckler@levincap.com>; Seager, Jonathan; lauren.duke@db.com<mailto:lauren.duke@db.com>; mchediak@bloomberg.net<mailto:mchediak@bloomberg.net>; p.duller@btinternet.com<mailto:p.duller@btinternet.com>; thnxvm@gmail.com<mailto:thnxvm@gmail.com>;

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> Cc: Connie Jackson <CJackson@sanbruno.ca.gov<mailto:CJackson@sanbruno.ca.gov>>
(CJackson@sanbruno.ca.gov<mailto:CJackson@sanbruno.ca.gov>)
> Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause
>
>
> Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.
>

> Thank you, Britt Strottman
>
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> <4.24.13 City of San Bruno's Motion for OSC.pdf>
> <4.24.13 OSC COS.pdf>

Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 2:49 PM
To: Fitch, Julie A.
Subject: RE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Ha!

-----Original Message-----
From: Fitch, Julie A. [mailto:julie.fitch@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 2:47 PM
To: Doll, Laura
Subject: Re: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause

Oh, that. I already forgot!

Sent from my iPhone

On Apr 24, 2013, at 2:44 PM, "Doll, Laura" <LRDD@pge.com> wrote:

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> FYI....
>
> This afternoon, the City of San Bruno filed the attached motion seeking to have Commissioners Peevey and Florio recused from attending the upcoming CPUC sponsored safety symposium or, in the alternative, to delay the symposium until after the San Bruno related enforcement proceedings are resolved. The motions cites the conflict of having the "prosecutor", "defendant", and "judges" in the enforcement proceedings participate in the symposium and the potential for ex parte violations. Although organized and sponsored by the CPUC, the motion refers to the symposium as the "PG&E - CPUC Safety Symposium." The motion asserts that the City of San Bruno was not invited to participate in, or attend, the symposium and was not aware of the symposium until notified of it by TURN. The motion also references and attaches the recently released consultant report containing statements by CPUC staff critical of the CPUC's safety culture.
>
> Bruce
> 3-2616
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> From: Strottman, Britt [mailto:bstrottman@meyersnave.com]
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> To: mark.wetzell@cpuc.ca.gov<mailto:mark.wetzell@cpuc.ca.gov>; Yip-Kikugawa, Amy C. <amy.yip-kikugawa@cpuc.ca.gov<mailto:amy.yip-kikugawa@cpuc.ca.gov>> (amy.yip-kikugawa@cpuc.ca.gov<mailto:amy.yip-kikugawa@cpuc.ca.gov>); StephanieC@greenlining.org<mailto:StephanieC@greenlining.org>; kdaly@stinson.com<mailto:kdaly@stinson.com>; catherine.mazzeo@swgas.com<mailto:catherine.mazzeo@swgas.com>; dng@SempraUtilities.com<mailto:dng@SempraUtilities.com>; jmh@cpuc.ca.gov<mailto:jmh@cpuc.ca.gov>; rcc@cpuc.ca.gov<mailto:rcc@cpuc.ca.gov>; tbo@cpuc.ca.gov<mailto:tbo@cpuc.ca.gov>; theresa.mueller@sfgov.org<mailto:theresa.mueller@sfgov.org>; tlong@turn.org<mailto:tlong@turn.org>; Cherry, Brian K; Johns, Christopher; Jordan, Lise (Law); JMalkin@Orrick.com<mailto:JMalkin@Orrick.com>;

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mgoldenberg@luminusmgmt.com<mailto:mgoldenberg@luminusmgmt.com>;
sunny.kwak@macquarie.com<mailto:sunny.kwak@macquarie.com>;
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JLsalazar@SempraUtilities.com<mailto:JLsalazar@SempraUtilities.com>;
SHruby@SempraUtilities.com<mailto:SHruby@SempraUtilities.com>;
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douglas.porter@sce.com<mailto:douglas.porter@sce.com>;
Francis.McNulty@sce.com<mailto:Francis.McNulty@sce.com>;
gcaldwell@sanbruno.ca.gov<mailto:gcaldwell@sanbruno.ca.gov>;
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tdp@cpuc.ca.gov<mailto:tdp@cpuc.ca.gov>
> Cc: Connie Jackson <CJackson@sanbruno.ca.gov<mailto:CJackson@sanbruno.ca.gov>>
(CJackson@sanbruno.ca.gov<mailto:CJackson@sanbruno.ca.gov>)
> Subject: SBE: I1201007 I1102016 I1111009 City of San Bruno's Motion Requesting an Order to Show Cause
>

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> Attached is the "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" filed on April 24, 2013 with the California Public Utilities Commission in I12.01.007, I11.02.016, and I11.110.09. Please also find the Certificate of Service. Please feel to contact me if you have any problems opening the attachments.
>
> Thank you, Britt Strottman
>
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> Reduce. Reuse. Recycle. Re-planet.
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> PG&E is committed to protecting our customers' privacy.
> To learn more, please visit http://www.pge.com/about/company/privacy/customer/
> _____
> <4.24.13 City of San Bruno's Motion for OSC.pdf>
> <4.24.13 OSC COS.pdf>

PG&E is committed to protecting our customers' privacy.
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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 6:12 PM
To: Prosper, Terrie D.
Subject: CPUC Statement on San Bruno's Motion on Upcoming Symposium: CPUC Information Alert

CPUC Statement on San Bruno's Motion on Upcoming Symposium: CPUC Information Alert

The California Public Utilities Commission (CPUC) today received a motion by the City of San Bruno calling for the recusal of Commissioners or postponement of the CPUC's May 7-8, 2013, Safety Symposium. Although the Symposium is a forward-looking event and issues related to the CPUC's ongoing PG&E pipeline cases would not be discussed, to eliminate any possible public concern over the fairness of the CPUC's process the CPUC has decided to postpone the Symposium to a future date.

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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Harris, Frederick

From: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 6:23 PM
To: Laura Doll
Subject: Fwd: CPUC Statement on San Bruno's Motion on Upcoming Symposium: CPUC Information Alert

Begin forwarded message:

From: "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Date: April 24, 2013, 6:11:38 PM PDT
To: "Prosper, Terrie D." <terrie.prosper@cpuc.ca.gov>
Subject: CPUC Statement on San Bruno's Motion on Upcoming Symposium: CPUC Information Alert

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Harris, Frederick

From: Clanon, Paul <paul.clanon@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 6:23 PM
To: Doll, Laura (LRDD@pge.com)
Subject: FW: CPUC Statement on San Bruno's Motion on Upcoming Symposium: CPUC Information Alert

From: Prosper, Terrie D.
Sent: Wednesday, April 24, 2013 6:12 PM
To: Prosper, Terrie D.
Subject: CPUC Statement on San Bruno's Motion on Upcoming Symposium: CPUC Information Alert

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Harris, Frederick

From: Doll, Laura <LRDD@pge.com>
Sent: Wednesday, April 24, 2013 8:39 PM
To: Earley Jr., Anthony; Johns, Christopher; emory.hagan@cpuc.ca.gov; Lane, Bret (JLane@semprautilities.com); eric.debonis@swgas.com
Cc: Youngblood, Soo Ling T.
Subject: May 6 Dinner at Postrio CANCELLED

Gentlemen
You have heard by now that the CPUC has cancelled the Safety Symposium scheduled for May 7 & 8. Just wanted to make sure you also understood that the Monday night dinner at Postrio is cancelled as well.

Regards,
Laura

Laura Doll
Director, Regulatory Relations
lrdd@pge.com
office: 415.973.8663
mobile: 415.828.3739

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Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Wednesday, April 24, 2013 9:05 PM
To: Doll, Laura
Subject: Re: Cancelling Tasks

Oh, I'm sure the symposium will eventually be resurrected...

On Apr 24, 2013, at 9:04 PM, "Doll, Laura" <LRDD@pge.com> wrote:

I can't seem to reach Andrea tonight (doesn't she realize that we are all a 24-7 operation??) but will do so tomorrow first thing.
As for me:
Notify speakers – DONE
Cancel dinner (s!) – DONE
Notify other utilities – DONE

We'll work on notifying all others and cancelling the coffee . . . tomorrow.

I'm going to miss working with you . . .
Oh wait, we'll still be working on stuff!! Yay! Seriously, thank goodness for you both.

Good night.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, April 24, 2013 6:25 PM
To: Malashenko, Elizaveta I.; Doll, Laura
Subject: Cancelling Tasks
Importance: High

Soooo.... Here's what I can think of that needs to be done (on Thursday), and who I think should do it.

- Pull from Daily Calendar (I already sent an email and cc'd Liza)

- Notify speakers: Laura

- Send email to all who received invitation (I will do this. Is the language I used in the Information Alert I just sent out OK to use?)

- Cancel Auditorium: Liza

- Cancel our IT services (I already sent an email cancelling Robert Stanford's services)

- Cancel dinner (Laura)

- Cancel drink vendor (Laura)

- Notify other utilities that were involved (Laura)

- Delete registration page and notify all who registered (Laura with Andrea's assistance)

- Delete event's web page and remove from the What's Hot calendar (I've already requested that the event page be taken down asap and I removed the event from the What's Hot calendar)

Anything else??

Terrie

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Harris, Frederick

From: Yip-Kikugawa, Amy C. <amy.yip-kikugawa@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 11:50 AM
To: 'jmalkin@orrick.com'; 'kdaly@stinson.com'; 'catherine.mazzeo@swgas.com'; 'theresa.mueller@sfgov.org'; Bone, Traci; Foss, Travis; 'tlong@turn.org'; 'mlw3@pge.com'; 'bstrottman@meyersnave.com'; 'ESelmon@Jemzar.com'; 'BTS1@pge.com'; 'kkonolige@bgcpartners.com'; 'kxhy@pge.com'; 'lauren.duke@db.com'; 'mchediak@bloomberg.net'; 'ppatterson2@nyc.rr.com'; 'pbattaglia@bcgpartners.com'; 'thnxvm@gmail.com'; 'rajeev.lalwani@morganstanley.com'; 'SRRD@pge.com'; 'dvanhoogstraten@stinson.com'; 'mfallon@taloncap.com'; 'anjani.vedula@db.com'; 'jonathan.arnold@db.com'; 'John.A.Apgar@Citi.com'; 'kfallon@sirfunds.com'; 'jdangelo@catapult-llc.com'; 'mgoldenberg@luminusmgmt.com'; 'sunny.kwak@macquarie.com'; 'ted@pointstate.com'; 'bnaeve@levincap.com'; 'Jheckler@levincap.com'; 'NStein@LevinCap.com'; 'stephen.byrd@morganstanley.com'; 'NKhumawala@WolfeTrahan.com'; 'randall@nexusamllc.com'; 'dng@semprautilities.com'; 'jlsalazar@semprautilities.com'; 'stomkins@semprautilities.com'; 'SHruby@SempraUtilities.com'; 'MFranco@SempraUtilities.com'; 'RPrince@SempraUtilities.com'; 'angelica.morales@sce.com'; 'case.admin@sce.com'; 'douglas.porter@sce.com'; 'Francis.McNulty@sce.com'; 'gloria.ing@sce.com'; 'maguirre@amslawyers.com'; 'khelmuth@cityofmadera.com'; 'cjackson@ci.sanbruno.ca.us'; 'mdjoseph@adamsbroadwell.com'; 'rkoss@adamsbroadwell.com'; Gruen, Darryl; 'austin.yang@sfgov.org'; 'marcel@turn.org'; 'filings@a-klaw.com'; 'ked6@pge.com'; 'nes@a-klaw.com'; 'sgs@dcbsf.com'; 'teb3@pge.com'; 'gburke@ap.org'; 'BCragg@GoodinMacbride.com'; 'cem@newsdata.com'; 'regrelcpuccases@pge.com'; 'dng6@pge.com'; 'jmullan@meyersnave.com'; 'smeyers@meyersnave.com'; 'deborah.slon@doj.ca.gov'; 'dmarcus2@sbcglobal.net'; 'service@cforat.org'; 'henrypielage@comcast.net'; 'abb@eslawfirm.com'; 'William.Westfield@smud.org'; 'ATrowbridge@DayCarterMurphy.com'; 'wmc@a-klaw.com'; Peck, David B.; Paull, Karen P.; Stepanian, Raffy; Kotch, Andrew; Chow, Christopher; Dorman, Elizabeth; Lindh, Frank; Morris, Harvey Y.; Reiger, J. Jason; Halligan, Julie; Lee, Kelly C.; Bruno, Kenneth; Peleo, Marion; Wetzell, Mark S.; Cooke, Michelle; Myers, Richard A.; Cagen, Robert; Prosper, Terrie D.; 'StephanieC@greenlining.org'; 'kdaly@stinson.com'; 'catherine.mazzeo@swgas.com'; 'dng@SempraUtilities.com'; Halligan, Julie; Cagen, Robert; Bone, Traci; 'theresa.mueller@sfgov.org'; 'tlong@turn.org'; 'BKC7@pge.com'; 'cpj2@pge.com'; 'lhj2@pge.com'; 'JMalkin@Orrick.com'; 'BCragg@GoodinMacbride.com'; 'smeyers@meyersnave.com'; 'bmcc@mccarthylaw.com'; 'martinhomec@gmail.com'; 'ESelmon@Jemzar.com'; 'RegRelCPUCCases@pge.com'; 'cassandra.sweet@dowjones.com'; 'enriqueg@greenlining.org'; 'jheckler@levincap.com'; 'j7se@pge.com'; 'lauren.duke@db.com'; 'mchediak@bloomberg.net'; 'p.duller@btinternet.com'; 'thnxvm@gmail.com'; 'dvanhoogstraten@stinson.com'; 'scott.senchak@decade-llc.com'; 'mfallon@taloncap.com'; 'anjani.vedula@db.com'; 'John.A.Apgar@Citi.com'; 'andrewgay@arcassetltd.com'; 'kfallon@sirfunds.com'; 'ted@PointState.com'; 'jdangelo@catapult-llc.com'; 'mgoldenberg@luminusmgmt.com'; 'sunny.kwak@macquarie.com'; 'bnaeve@levincap.com'; 'NStein@LevinCap.com'; 'randall@nexusamllc.com'; 'naaz.khumawala@baml.com'; 'JLsalazar@SempraUtilities.com'; 'SHruby@SempraUtilities.com'; 'MFranco@SempraUtilities.com'; 'RPrince@SempraUtilities.com'; 'angelica.morales@sce.com'; 'douglas.porter@sce.com'; 'Francis.McNulty@sce.com';

To: 'gcaldwell@sanbruno.ca.gov'; 'kfabry@sanbruno.ca.gov'; 'cjackson@ci.sanbruno.ca.us'; 'rkoss@adamsbroadwell.com'; 'mdjoseph@adamsbroadwell.com'; 'austin.yang@sfgov.org'; 'nsuetake@turn.org'; 'bts1@pge.com'; 'filings@a-klaw.com'; 'ked6@pge.com'; 'nes@a-klaw.com'; 'sgs@dcbsf.com'; 'teb3@pge.com'; 'gburke@ap.org'; 'cem@newsdata.com'; 'grant.kolling@cityofpaloalto.org'; 'bstrottman@meyersnave.com'; 'jmullan@meyersnave.com'; 'service@cforat.org'; 'pucservice@dralegal.org'; 'margaret@mfelts.com'; 'abb@eslawfirm.com'; 'wwester@smud.org'; 'atrowbridge@daycartermurphy.com'; 'wmc@a-klaw.com'; Peck, David B.; Paull, Karen P.; Colvin, Michael; Tong, Kan Wai; Yip-Kikugawa, Amy C.; Kotch, Andrew; Johnson, Catherine A.; Gruen, Darryl; Dorman, Elizabeth; Cadenasso, Eugene; Morris, Harvey Y.; Lee, Kelly C.; Bruno, Kenneth; Tisdale, Matthew; Cooke, Michelle; Myers, Richard A.; Prosper, Terrie D.; Roberts, Thomas; Foss, Travis; 'kdaly@stinson.com'; 'catherine.mazzeo@swgas.com'; 'cjackson@ci.sanbruno.ca.us'; 'theresa.mueller@sfgov.org'; Berdge, Patrick S.; Bone, Traci; 'tlong@turn.org'; 'JMalkin@orrick.com'; 'slg0@pge.com'; 'ESelmon@Jemzar.com'; 'argay@arcassetltd.com'; 'RegRelCPUCCases@pge.com'; 'mchediak@bloomberg.net'; 'ray.welch@navigantconsulting.com'; 'mrw@mrwassoc.com'; 'dvanhoogstraten@stinson.com'; 'mfallon@taloncap.com'; 'anjani.vedula@db.com'; 'jonathan.arnold@db.com'; 'lauren.duke@db.com'; 'John.A.Apgar@Citi.com'; 'kfallon@sirfunds.com'; 'ted@PointState.com'; 'jdangelo@catapult-llc.com'; 'mgoldenberg@luminusmgmt.com'; 'bnaeve@levincap.com'; 'Jheckler@levincap.com'; 'scott.senchak@decade-llc.com'; 'randall@nexusamllc.com'; 'dng@semprautilities.com'; 'JLSalazar@SempraUtilities.com'; 'stomkins@semprautilities.com'; 'SHruby@SempraUtilities.com'; 'MFranco@SempraUtilities.com'; 'RPrince@SempraUtilities.com'; 'angelica.morales@sce.com'; 'douglas.porter@sce.com'; 'Francis.McNulty@sce.com'; 'mdjoseph@adamsbroadwell.com'; 'rkoss@adamsbroadwell.com'; 'austin.yang@sfgov.org'; 'marcel@turn.org'; 'nsuetake@turn.org'; 'LKL1@pge.com'; 'NRN2@pge.com'; 'nes@a-klaw.com'; 'sgs@dcbsf.com'; 'teb3@pge.com'; 'gburke@ap.org'; 'BCragg@GoodinMacbride.com'; 'cem@newsdata.com'; 'bkc7@pge.com'; 'grant.kolling@cityofpaloalto.org'; 'bstrottman@meyersnave.com'; 'jmullan@meyersnave.com'; 'smeyers@meyersnave.com'; 'dmarcus2@sbcglobal.net'; 'service@cforat.org'; 'henrypielage@comcast.net'; 'abb@eslawfirm.com'; 'wwester@smud.org'; 'Mark.Gall@smud.org'; 'atrowbridge@daycartermurphy.com'; 'wmc@a-klaw.com'; 'dweber.nwngs@nwnatural.com'; Paull, Karen P.; Yip-Kikugawa, Amy C.; Kotch, Andrew; Peck, David B.; Dorman, Elizabeth; Lee, Kelly C.; Bruno, Kenneth; Kito, Michele; Myers, Richard A.; Khosrowjah, Sepideh; Foss, Travis

Cc: ALJ Docket Office; ALJ Process; ALJ Central Files Staff

Subject: I.12-01-007, I.11-02-016 and I.11-11-009 (Pipeline OIIs) - Administrative Law Judges' Ruling Denying Motion of the City of San Bruno

NOTICE TO ALL PARTIES IN I.12-01-007, I.11-02-016 and I.11-11-009:

On April 24, 2013 the City of San Bruno served its "Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated" (San Bruno Motion). An Administrative Law Judges' Ruling was issued shortly thereafter, which shortened the time to respond to the San Bruno Motion to April 29, 2013. Later that same day, the Commission issued a statement in response to the San Bruno Motion. "Although the Symposium is a forward-looking event and issues related to the CPUC's ongoing PG&E pipeline cases would not be discussed, to eliminate any possible public concern over

the fairness of the CPUC's process the CPUC has decided to postpone the Symposium to a future date."

The Commission's decision to postpone the Symposium renders the San Bruno Motion moot. There is no need for responses to the motion and the San Bruno Motion is denied.

IT IS RULED THAT the Motion of the City of San Bruno Requesting an Order to Show Cause Why Assigned Commissioners Peevey and Florio Should Not Be Recused From the 'Forging a New Vision of Safety in California' Symposium Pursuant to Rule 8.3, or in the Alternative, an Order Suspending the Safety Symposium Until I.12-01-007, I.11-02-16, and I.11-11-009 are Fully Adjudicated is denied as moot.

Administrative Law Judges Mark Wetzell and Amy Yip-Kikugawa

Harris, Frederick

From: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Sent: Thursday, April 25, 2013 1:01 PM
To: Prosper, Terrie D.
Subject: Cancelled: CPUC May 7-8 Symposium

Hello,

You recently received an invitation and/or registered for the California Public Utilities Commission's Natural Gas Safety Symposium titled, *Forging a New Vision of Safety in California*, set for May 7-8, 2013, in San Francisco.

I am writing to inform you that the CPUC has decided to postpone the Symposium to a future date to be determined.

We apologize for any scheduling issues this may cause you.

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

Harris, Frederick

From: Yura, Jane <JKY1@pge.com> on behalf of Samii, LaVerne <LMS2@pge.com>
Sent: Friday, April 26, 2013 6:51 AM
To: jlane@semprautilities.com; jerry.schmitz@swgas.com; Doll, Laura; wds2texas@aol.com; Jim Hall; Bob Chipkevich; Kim.Malcolm@cpuc.ca.gov; Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Goelz, Peter (pgoelz@oneillandassoc.com)
Cc: 'Ned Bothfeld'
Subject: Canceled: CPUC Safety Symposium -- Status meeting

Importance: High

Meetings have been cancelled. Thank you.

****

Hello everyone, this is the short update meeting we agreed to schedule on Friday's for the next several weeks. There may be some weeks where no call is required, but just wanted this on the calendars,
Thank you
Jane

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

Harris, Frederick

From: Joaquin, Bernadette <BJL7@pge.com>
Sent: Friday, April 26, 2013 11:03 AM
To: Madrigal, Anna-Marie (anna-marie.madrigal@cpuc.ca.gov)
Subject: Canceled: Hall and Associates to meet with Paul Clanon

Importance: High

Hi Anna-Marie – as a result of the cancellation of the CPUC symposium, Jim Hall, Bob Chipkevich and Bill Scott will not be traveling to San Francisco as originally planned.

Thanks!
Bernadette

PG&E is committed to protecting our customers' privacy.
To learn more, please visit http://www.pge.com/about/company/privacy/customer/

March 07, 2012 Continued
Wednesday

1:00 PM - 1:15 PM **Mtg. w/Jonathan Arnold, Managing Director, US Utilities & Power Research, and John Kohli from Franklin Templeton and Tom O'Neill from Green Arrow -- Room 5218**

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: [redacted]
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

REDACTED

May 16, 2011 - May 22, 2011

May 2011

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June 2011

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Monday, May 16

REDACTED

Tuesday, May 17

10:30am - 12:00pm Updated: Financial Institution meeting (Room 5209) - Tisdale, Matthew

REDACTED

Wednesday, May 18

REDACTED

Thursday, May 19

REDACTED

Friday, May 20

REDACTED

Saturday, May 21

Sunday, May 22

REDACTED

CPUC03847

September 12, 2011 - September 18, 2011

September 2011

SuMo	TuWe	Th	Fr	Sa
		1	2	3
4	5 6 7	8	9	10
11	12 13 14	15	16	17
18	19 20 21	22	23	24
25	26 27 28	29	30	

October 2011

SuMo	TuWe	Th	Fr	Sa
				1
2	3 4 5	6	7	8
9	10 11 12	13	14	15
16	17 18 19	20	21	22
23	24 25 26	27	28	29
30	31			

Monday, September 12

REDACTED

Tuesday, September 13

REDACTED

11:00am - 12:00pm Citi Investment Research Mtg. to Discuss the General State of CA's Electric & Gas Utility Industries (Room 5305) - Ferron, Mark J.

REDACTED

Wednesday, September 14

REDACTED

Thursday, September 15

REDACTED

Friday, September 16

REDACTED

Saturday, September 17

REDACTED

Sunday, September 18

REDACTED

January 30, 2012 - February 05, 2012

January 2012

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February 2012

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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26	27	28	29			

REDACTED

REDACTED

Thursday, February 02

9:30am - 10:30am BofA-Discuss Energy and Renewable Regulatory Policy (Room 5305) - Ferron, Mark J.

REDACTED

Saturday, February 04

Sunday, February 05

July 30, 2012 - August 05, 2012

July 2012

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
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August 2012

Su	Mo	Tu	We	Th	Fr	Sa
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

REDACTED

REDACTED

Thursday, August 02

REDACTED

3:00pm - 3:30pm Maureen Lewis at Deutsche Bank (Phone call)

REDACTED

Saturday, August 04

Sunday, August 05

September 10, 2012 - September 16, 2012

September 2012

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October 2012

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

REDACTED

Tuesday, September 11

10:00am - 11:00am Citi Investment Research Mtg (Room 5305) - Ferron, Mark J.

REDACTED

Wednesday, September 12

10:00am - 11:00am B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards (Room 5305) - Ferron, Mark J.

REDACTED

REDACTED

REDACTED

Saturday, September 15

Sunday, September 16

CPUC03851

January 14, 2013 - January 20, 2013

January 2013

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
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February 2013

Su	Mo	Tu	We	Th	Fr	Sa
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10	11	12	13	14	15	16
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Monday, January 14

REDACTED

REDACTED

REDACTED

Friday, January 18

REDACTED

11:00am - 11:45am BGC Financial phone call w/Investers (11am PT/2pm ET (Dial In: - Ferron, Mark J.

Saturday, January 19

Sunday, January 20

CPUC03852

September 30, 2013 - October 06, 2013

September 2013

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
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October 2013

Su	Mo	Tu	We	Th	Fr	Sa
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20	21	22	23	24	25	26
27	28	29	30	31		

Monday, September 30

REDACTED

Tuesday, October 01

REDACTED

3:30pm - 4:30pm Credit Suisse Mtg re: California Utility Regulation (Room 5305) - Ferron, Mark J.

Wednesday, October 02

11:00am - 12:00pm Wolfe Research Mtg to discuss CA Regulatory Environmnet, Safety Issues & Renewable Standards (Room 5100) - Ferron, Mark J.

REDACTED

Thursday, October 03

REDACTED

Friday, October

REDACTED

Saturday, October 05

Sunday, October 06

January 30, 2012 - February 05, 2012

January 2012

Su	Mo	Tu	We	Th	Fr	Sa
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February 2012

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
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REDACTED

REDACTED

REDACTED

Thursday, February 02

2:00pm - 3:00pm Meeting with Bank of America Merrill Lynch to discuss Commr. Florio's views on California Regulation and Energy Policy (MWT) (Mike's Office) - Florio, Michel Peter

REDACTED

REDACTED

June 11, 2012 - June 17, 2012

June 2012

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
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10	11	12	13	14	15	16
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July 2012

Su	Mo	Tu	We	Th	Fr	Sa
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22	23	24	25	26	27	28
29	30	31				

REDACTED

REDACTED

REDACTED

Thursday, June 14

REDACTED

11:00am - 12:00pm Meeting with Deutsche Bank to discuss general energy issues in the state, particularly investor-owned utilities--PG&E, SDG&E/SCG (SKH, MWT, MPO, POD) (Room 5209) -

REDACTED

REDACTED

January 07, 2013 - January 13, 2013

January 2013

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
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27	28	29	30	31		

February 2013

Su	Mo	Tu	We	Th	Fr	Sa
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17	18	19	20	21	22	23
24	25	26	27	28		

REDACTED

REDACTED

REDACTED

Thursday, January 10

REDACTED

☑ **2:30pm - 3:00pm CITI (only arranged by Edison, but it's CITI) investors meeting--Details to follow (SKH, MWT, MPO)** (Room 5305--Note Room Change) - Florio, Michel Peter

REDACTED

REDACTED

October 07, 2013 - October 13, 2013

October 2013

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
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27	28	29	30	31		

November 2013

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
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Monday, October 07

REDACTED

Tuesday, October 08

REDACTED

Wednesday, October 09

REDACTED

Thursday, October 10

11:00am - 11:30am Discussion of California's Regulatory Environment and Major themes affecting Utilities in the State, with Christopher Turnure, JPMorgan Securities (SKH, RP1, MPO, EVM) - Florio, Michel Peter

REDACTED

Friday, October 11

REDACTED

January 13, 2014 - January 19, 2014

January 2014

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February 2014

Su	Mo	Tu	We	Th	Fr	Sa
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Monday, January 13

REDACTED

Tuesday, January 14

REDACTED

Wednesday, January 15

REDACTED

4:00pm - 5:00pm Meeting with utilities and energy investors and sell side analysts Shariar Pourezza and Faisel Khan of Citibank (MPO) (Room 5305) - Khosrowjah, Sepideh

Thursday, January 16

REDACTED

Friday, January 17

REDACTED

January 13, 2014 - January 19, 2014

January 2014

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
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February 2014

Su	Mo	Tu	We	Th	Fr	Sa
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

Monday, January 13

REDACTED

Tuesday, January 14

REDACTED

Wednesday, January 15

REDACTED

10:00am - 11:00am Meet with Citigroup and a bunch of investors
(Room 5305) - Peterman, Carla J.

REDACTED

Thursday, January 16

REDACTED

Friday, January 17

REDACTED

Saturday, January 18

Sunday, January 19

February 02, 2012

Thursday

February 2012

SuMo	TuWe	Th	Fr	Sa
		1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

March 2012

SuMo	TuWe	Th	Fr	Sa
		1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

2 Thursday

Notes

7 am

8 00

9 00

10 00 REDACTED [redacted]

11 00

12 pm

1 00 **Mtg with Bank of America/Merill Lynch w/ Naaz Khumawala & others (Colette)**
CPUC SF, Room 5305
Sandoval, Catherine J.K.
[redacted]

2 00

REDACTED [redacted]

3 00

[redacted]

4 00

5 00

6 00

February 10, 2012

Friday

February 2012

SuMo	TuWe	Th	Fr	Sa
		1	2	3 4
5 6	7 8	9	10	11
12 13	14 15	16	17	18
19 20	21 22	23	24	25
26 27	28 29			

March 2012

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4 5	6 7	8	9	10
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10 Friday

Notes

[redacted]

7 am

8 00 REDACTED [redacted]

9 00

10 00

11 00

12 pm **Updated: Lunch Event mtg (BofA ML)**

[redacted] Naaz Khumawala

Katague, Ditas

1 00

2 00

3 00 REDACTED [redacted]

4 00

5 00 [redacted]

6 00

CPUC03861

September 11, 2012

Tuesday

September 2012

Su	Mo	Tu	We	Th	Fr	Sa
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October 2012

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11 Tuesday

Notes

7 am

8 00

9 00

10 00

11 00

REDACTED

12 pm

1 00

2 00

3 00 REDACTED

Updated: Comr to Stop in briefly at Citi-Bank meeting briefly
Room 5305; St. Marie, Stephen

4 00

[redacted]

5 00

6 00

September 12, 2012

Wednesday

September 2012

SuMo	TuWe	Th	Fr	Sa
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October 2012

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12 Wednesday

7 am

8 00

9 00

10 00

[redacted]D

11 00

12 pm

1 00 **Mtg with Steve Fleishman, Naaz Khumawala, Tom O Neill and John Kohli of Bank of America re California regulato**
Room 5209; Sandoval, Catherine J.K.

2 00 REDACTED

D

3 00

4 00

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6 00

Notes

CPUC03863

December 19, 2011 - December 25, 2011

December 2011

Su	Mo	Tu	We	Th	Fr	Sa
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4	5	6	7	8	9	10
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January 2012

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REDACTED

Monday, December 19

REDACTED

11:30am - 12:00pm Ryan from T.Rowe Price to meet w/ Paul Clanon, Executive Director (Paul's Office, 505 Van Ness, Rm 5223, SF)
- Clanon, Paul

REDACTED

REDACTED

CPUC03864

January 30, 2012 - February 05, 2012

January 2012

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
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February 2012

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REDACTED

REDACTED

REDACTED

Thursday, February 02

10:30am - 11:00am CA Reg Env policy--BofA/ Merrill Lynch (Rm 5305) - Clanon, Paul

REDACTED

REDACTED

Saturday, February 04

Sunday, February 05

November 05, 2012 - November 11, 2012

November 2012

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
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December 2012

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REDACTED

REDACTED

REDACTED

Thursday, November 08

REDACTED

2:00pm - 2:30pm Mtg w/ Instutional Investors (Rm 5305, Call-in is 888-771-4385, Passcode: 2351016#)

REDACTED

REDACTED

Saturday, November 10

Sunday, November 11

September 30, 2013 - October 06, 2013

September 2013

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
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October 2013

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27	28	29	30	31		

Monday, September 30

REDACTED

Tuesday, October 01

REDACTED

Wednesday, October 02

REDACTED

3:45pm - 4:15pm Meeting w/ Wolfe Trahan Researchers/Naaz Khumawala (Room 5305) - Clanon, Paul

REDACTED

Thursday, October 03

REDACTED

Friday, October 04

REDACTED

Saturday, October 05

Paul out

Sunday, October 06

REDACTED

March 24, 2014 - March 30, 2014

March 2014

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
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April 2014

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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Monday, March 24

REDACTED

Tuesday, March 25

REDACTED

11:30am - 12:00pm Meeting research team--BofA--John Apgar
(5305) - Clanon, Paul

REDACTED

Wednesday, March 26

REDACTED

Thursday, March 27

REDACTED

Friday, March 28

REDACTED

Saturday, March 29

Sunday, March 30

From: Khumawala, Naaz - RSCH AMRS
To: nur@cpuc.ca.gov
Sent: 3/1/2011 3:04:37 PM
Subject: Meeting request form for President Peevey

Thanks

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From:	Khumawala, Naaz - RSCH AMRS
To:	Gonzalez, Nuria
Sent:	3/1/2011 3:12:35 PM
Subject:	RE: Meeting request form for President Peevey
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Thanks, here you go.

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, March 01, 2011 5:11 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Meeting request form for President Peevey

Please complete the attached form. Thanks!

Nuria

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Tuesday, March 01, 2011 3:05 PM
To: Gonzalez, Nuria
Subject: Meeting request form for President Peevey

Thanks

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 3/1/2011
Docket or proceeding # N/A
Reason for the meeting: Discussing CA regulatory system and environmental policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* N/A
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees **2** **Steve Fleishman, Analyst, Bank of America Merrill Lynch** **Naaz Khumawala, Analyst, Bank of America Merrill Lynch**
Proposed date/time of meeting: 4/4-4/8/2011; flexible on date
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 3/1/2011

From:	Khumawala, Naaz - RSCH AMRS
To:	jovita.chan@cpuc.ca.gov
CC:	psw@cpuc.ca.gov
Sent:	3/1/2011 3:13:53 PM
Subject:	MEETING REQUEST Commissioner Sandoval
Attachments:	SandovalMeetingRequest.DOC

Please let me know if you need anything else. Thanks

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER CATHERINE J.K. SANDOVAL
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 2/27/2011
Docket or proceeding # N/A
Reason for the meeting: Discuss Commissioner Sandoval's views on California regulation and energy policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 4/4/2011-4/8/2011. We are flexible
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.***

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Phil Weismehl at psw@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS
To: cmf@cpuc.ca.gov
Sent: 3/1/2011 3:15:08 PM
Subject: Meeting request Commissioner Simon
Attachments: Simon MeetingRequestFormFeb2011.doc

Please let me know if you need anything else. Thanks.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ ***For Advisors ONLY*** **to Ann Christina Rothchild, acr@cpuc.ca.gov (415.703.1407)**
- ☐ ***All other*** **to Cristine Fernandez, cmf@cpuc.ca.gov (415.703.2531)**
- ☐ ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Steve Fleishman, Bank of America Merrill Lynch	**Today's Date: 2/28/2011**
2. Reason for meeting (subject, topic, issues): **California regulation, environment issues**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 4/4/2011-4/8/2011	X In Person ☐ By phone
Proposed attendees: ☐ Cristhian Escobar ☐Paul Phillips ☐Karen Shea ☐Ken Koss X Comr. Simon	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request x Assign an advisor	
5. Industry: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes X No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting** **2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steve Fleishman		**Bank of America Merrill Lynch**	**Analyst**
Naaz Khumawala		**Bank of America Merrill Lynch**	**Analyst**

9. **List your contact information:**

Contact name: Naaz Khumawala		E-mail: naaz.khumawala@baml.com
Office phone: 713-247-7313	Cell:	Fax No.:
Office use only:		
ESC PSP KMS TAS KLK	Comments:	Confirmed date: Confirmed time:

Form created 8/5/2010

From: Khumawala, Naaz - RSCH AMRS
To: ernesto.melendez@cpuc.ca.gov
CC: angela.minkin@cpuc.ca.gov
Sent: 3/1/2011 3:16:37 PM
Subject: Meeting request for Commissioner Florio
Attachments: mtg_request_form_for_Commissioner_Florio.doc

Please let me know if you need anything else. Thanks.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 2/27/2011
Docket or proceeding # N/A
Reason for the meeting: Discuss Commissioner Florio's views on California regulation and energy policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 4/4/2011-4/8/2011. We are flexible
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

From: Khumawala, Naaz - RSCH AMRS
To: Brown, Carol A.
Sent: 3/23/2011 8:24:39 AM
Subject: Accepted: Discuss California Regulatory System and Environmental Policy
Attachments: meeting.ics

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METHOD
REPLY

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Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Discuss California Regulatory System and Environmental Po licy
Room 5305
20110407T130000
TENTATIVE

DTSTAMP
20110323T152354Z

Start Date/Time
20110407T130000

Summary
Accepted: Discuss California Regulatory System and Environmental Po licy

UID
040000008200E00074C5B7101A82E0080000000050A5EDA533E9CB01000000000000000001000000082CA41A9A5C22C4D827B926AB8058DCB

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER
MAILTO:carol.brown@cpuc.ca.gov

Location
Room 5305

End Date/Time
20110407T140000

Sequence Number
0

Priority
5

Categories

CREATED
20110323T152440Z

Last Modified
20110323T152440Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110323T152439Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT

FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
1995913179

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110323T152439Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110323T152354Z

From: Khumawala, Naaz - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 3/23/2011 8:25:04 AM
Subject: Accepted: Discuss California Regulatory System and Environmental Policy
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Discuss California Regulatory System and Environmental Po licy
Room 5305
20110407T130000
TENTATIVE

DTSTAMP
20110323T152354Z

Start Date/Time
20110407T130000

Summary
Accepted: Discuss California Regulatory System and Environmental Po licy

UID
040000008200E00074C5B7101A82E0080000000050A5EDA533E9CB01000000000000000
01000000082CA41A9A5C22C4D827B926AB8058DCB

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20110407T140000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20110323T152440Z

Last Modified
20110323T152440Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110323T152439Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
1995913179

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110323T152439Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110323T152354Z

From: Fleishman, Steven I - RSCH AMRS
To: Brown, Carol A.
Sent: 3/23/2011 8:42:47 AM
Subject: Accepted: FW: Discuss California Regulatory System and Environmental Policy
Attachments: winmail.dat

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From: Fleishman, Steven I - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 3/23/2011 8:43:07 AM
Subject: Accepted: FW: Discuss California Regulatory System and Environmental Policy
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Eastern Standard Time

Start Date/Time
16010101T020000

TZOFFSETFROM
-0400

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0400

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: FW: Discuss California Regulatory System and Environmenta l Policy
Room 5305
20110407T140000
CONFIRMED

DTSTAMP
20110323T154247Z

Start Date/Time
20110407T140000

Summary
Accepted: FW: Discuss California Regulatory System and Environmenta l Policy

UID
040000008200E00074C5B7101A82E0080000000050A5EDA533E9CB01000000000000000
01000000082CA41A9A5C22C4D827B926AB8058DCB

Attendee **MAILTO:steven.fleishman@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20110407T150000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20110323T154307Z

Last Modified
20110323T154307Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
1995913179

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110323T154247Z

From: Khumawala, Naaz - RSCH AMRS
To: Mosbaugh, Scott
Sent: 3/23/2011 3:33:19 PM
Subject: Contact information
Attachments: winmail.dat

Naaz Khumawala
713-247-7313
Naaz.khumawala@baml.com

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Naaz Khumawala
713-247-7313
Naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Mosbaugh, Scott
Sent: 3/24/2011 10:46:23 AM
Subject: RE: Meeting with Commissioner Ferron of the CPUC
Attachments: winmail.dat

Thanks for sending it over--here you go. This CPUC meeting is quite interesting.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Thursday, March 24, 2011 1:40 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Meeting with Commissioner Ferron of the CPUC

Hi Naaz,

When you have a moment, can you please fill out the attached meeting request form? Thanks.

Scott Mosbaugh
Office of Commissioner Ferron
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

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COMMISSIONER MARK FERRON MEETING REQUEST.doc

Thanks for sending it over--here you go. This CPUC meeting is quite interesting.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Thursday, March 24, 2011 1:40 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Meeting with Commissioner Ferron of the CPUC

Hi Naaz,

When you have a moment, can you please fill out the attached meeting request form? Thanks.

Scott Mosbaugh
Office of Commissioner Ferron
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

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COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 3/24/2011
Docket or proceeding # (if applicable) N/A
Reason for the meeting: discuss energy and renewable regulatory policy, meet Commissioner Ferron
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (Number of attendees, name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 4/7/2011 preferably
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

Email meeting request to Scott Mosbaugh (RSM@cpuc.ca.gov)
Fax: 415-703-1758

From: Khumawala, Naaz - RSCH AMRS
To: acr@cpuc.ca.gov
Sent: 3/25/2011 9:49:11 AM
Subject: Meeting request form
Attachments: Simon MeetingRequestFormFeb2011.doc

California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ ***For Advisors ONLY*** **to Ann Christina Rothchild, acr@cpuc.ca.gov (415.703.1407)**
- ☐ ***All other*** **to Cristine Fernandez, cmf@cpuc.ca.gov (415.703.2531)**
- ☐ ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Steve Fleishman, Bank of America Merrill Lynch	**Today's Date: 2/28/2011**
2. Reason for meeting (subject, topic, issues): **California regulation, environment issues**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 4/4/2011-4/8/2011	X In Person ☐ By phone
Proposed attendees: ☐ Cristhian Escobar ☐Paul Phillips ☐Karen Shea ☐Ken Koss X Comr. Simon	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request x Assign an advisor	
5. Industry: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes X No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting** **2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steve Fleishman		**Bank of America Merrill Lynch**	**Analyst**
Naaz Khumawala		**Bank of America Merrill Lynch**	**Analyst**

9. **List your contact information:**

Contact name: Naaz Khumawala		E-mail: naaz.khumawala@baml.com
Office phone: 713-247-7313	Cell:	Fax No.:
Office use only:		
ESC PSP KMS TAS KLK	Comments:	Confirmed date: Confirmed time:

Form created 8/5/2010

From: Khumawala, Naaz - RSCH AMRS
To: acr@cpuc.ca.gov
Sent: 3/28/2011 10:33:13 AM
Subject: Meeting request
Attachments: Simon MeetingRequestFormFeb2011.doc

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ ***For Advisors ONLY*** **to Ann Christina Rothchild, acr@cpuc.ca.gov (415.703.1407)**
- ☐ ***All other*** **to Cristine Fernandez, cmf@cpuc.ca.gov (415.703.2531)**
- ☐ ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Steve Fleishman, Bank of America Merrill Lynch	**Today's Date: 2/28/2011**
2. Reason for meeting (subject, topic, issues): **California regulation, environment issues**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 4/4/2011-4/8/2011	X In Person ☐ By phone
Proposed attendees: ☐ Cristhian Escobar ☐Paul Phillips ☐Karen Shea ☐Ken Koss X Comr. Simon	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request x Assign an advisor	
5. Industry: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes X No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting** **2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steve Fleishman		**Bank of America Merrill Lynch**	**Analyst**
Naaz Khumawala		**Bank of America Merrill Lynch**	**Analyst**

9. **List your contact information:**		
Contact name: Naaz Khumawala		E-mail: naaz.khumawala@baml.com
Office phone: 713-247-7313	Cell:	Fax No.:
Office use only:		
ESC PSP KMS TAS KLK	Comments:	Confirmed date: Confirmed time:

Form created 8/5/2010

From: Khumawala, Naaz - RSCH AMRS
To: Khumawala, Naaz - RSCH AMRS; Rothchild, Ann Christina
Sent: 3/28/2011 10:35:40 AM
Subject: RE: Meeting request
Attachments: winmail.dat

San Bruno
PCG GRC
EIX GRC
Smart Meters
Cost of Capital
Equity ratios
Renewables
Rate making process

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, March 28, 2011 12:33 PM
To: 'acr@cpuc.ca.gov'
Subject: Meeting request

Naaz Khumawala
Utilities & Power

Bank of America Merrill Lynch

Merrill Lynch, Pierce, Fenner & Smith Inc.

713-247-7313
naaz.khumawala@baml.com

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San Bruno
PCG GRC
EIX GRC
Smart Meters
Cost of Capital
Equity ratios
Renewables
Rate making process

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, March 28, 2011 12:33 PM
To: 'acr@cpuc.ca.gov'
Subject: Meeting request

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Utilities & Power

Bank of America Merrill Lynch

Merrill Lynch, Pierce, Fenner & Smith Inc.

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naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 3/29/2011 4:22:48 PM
Subject: Accepted: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

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METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T173000
TENTATIVE

DTSTAMP
20110317T182851Z

Start Date/Time
20110407T173000

Summary
Accepted: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER
MAILTO:paul.clanon@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T180000

Sequence Number
0

Priority
5

Categories

CREATED
20110329T232249Z

Last Modified
20110329T232249Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T232248Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT

FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T232248Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110317T182851Z

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 3/29/2011 4:22:56 PM
Subject: Accepted: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

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PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T173000
TENTATIVE

DTSTAMP
20110317T182851Z

Start Date/Time
20110407T173000

Summary
Accepted: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T180000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20110329T232249Z

Last Modified
20110329T232249Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T232248Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T232248Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110317T182851Z

From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 3/29/2011 4:24:40 PM
Subject: Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

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METHOD
REPLY

PRODID
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Version
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TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T151500
TENTATIVE

DTSTAMP
20110329T232223Z

Start Date/Time
20110407T151500

Summary
Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER
MAILTO:paul.clanon@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T160000

Sequence Number
0

Priority
5

Categories

CREATED
20110329T232440Z

Last Modified
20110329T232440Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T232439Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT

FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T232439Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110329T232223Z

From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 3/29/2011 4:24:57 PM
Subject: Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

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X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T171500
TENTATIVE

DTSTAMP
20110329T232223Z

Start Date/Time
20110407T171500

Summary
Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER
MAILTO:paul.clanon@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T180000

Sequence Number
0

Priority
5

Categories

CREATED
20110329T232457Z

Last Modified
20110329T232457Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T232457Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT

FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T232457Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110329T232223Z

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 3/29/2011 4:25:05 PM
Subject: Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

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METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T151500
TENTATIVE

DTSTAMP
20110329T232223Z

Start Date/Time
20110407T151500

Summary
Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T160000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20110329T232440Z

Last Modified
20110329T232440Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T232439Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T232439Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110329T232223Z

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 3/29/2011 4:26:03 PM
Subject: Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

<META HTTP-EQUIV="Content-Type" CONTENT="text/html; charset=us-ascii">
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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T171500
TENTATIVE

DTSTAMP
20110329T232223Z

Start Date/Time
20110407T171500

Summary
Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T180000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20110329T232457Z

Last Modified
20110329T232457Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T232457Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T232457Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110329T232223Z

From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 3/29/2011 4:30:38 PM
Subject: Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

Anna Marie--does 3:15 to 4pm work? I hope so. Thanks for all your help. You're the best.

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
11

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T171500
TENTATIVE

DTSTAMP
20110329T232223Z

Start Date/Time
20110407T171500

Summary
Accepted: Updated: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T180000

Sequence Number
1

Priority
5

COMMENT
Anna Marie--does 3:15 to 4pm work? I hope so. Thanks for all your h elp. You're the best.

Categories

CREATED
20110329T233038Z

Last Modified
20110329T233038Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
20110329T233004Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
1

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110329T233004Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110329T232223Z

From: Fleishman, Steven I - RSCH AMRS
To: Clanon, Paul
Sent: 3/30/2011 3:43:46 AM
Subject: Accepted: FW: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 3/30/2011 3:43:55 AM
Subject: Accepted: FW: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Eastern Standard Time

Start Date/Time
16010101T020000

TZOFFSETFROM
-0400

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0400

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: FW: Updated: Meeting w/ Paul Clanon, Naz Khumawala
Paul's office
20110407T181500
CONFIRMED

DTSTAMP
20110330T104346Z

Start Date/Time
20110407T181500

Summary
Accepted: FW: Updated: Meeting w/ Paul Clanon, Naz Khumawala

UID
040000008200E00074C5B7101A82E00800000000704366F48FE4CB01000000000000000
0100000009FF8B4A1C3E2E94B8861E2809750B50D

Attendee MAILTO:steven.fleishman@baml.com
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Paul's office

End Date/Time
20110407T190000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20110330T104355Z

Last Modified
20110330T104355Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110330T104346Z

From: Khumawala, Naaz - RSCH AMRS
To: Rothchild, Ann Christina
Sent: 4/4/2011 11:24:48 AM
Subject: RE: Can you send me the names of the people you will bring with you?

Sure:

Tom O'Neill
John Kohli
Reena Bajwa
Phil Sundell
Keziah Robinson
Tom Bevan
Blair Schmicker
Naaz Khumawala
Steve Fleishman

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:22 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Can you send me the names of the people you will bring with you?

Hello Naaz,

Can you send me the names of the people you will bring with you?

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)
(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

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From: Khumawala, Naaz - RSCH AMRS
To: am3@cpuc.ca.gov
Sent: 4/4/2011 11:26:06 AM
Subject: Names of people we are bringing

Sure:

Tom O'Neill
John Kohli
Reena Bajwa
Phil Sundell
Keziah Robinson
Tom Bevan
Blair Schmicker
Naaz Khumawala
Steve Fleishman

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From: Khumawala, Naaz - RSCH AMRS
To: Rothchild, Ann Christina
Sent: 4/4/2011 11:31:07 AM
Subject: RE: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?
Attachments: winmail.dat

I changed it to 9:30 when talking to Paul later that day--would be easier to keep it at 9:30 if that is okay, but can move it to 9am if we have to. We have some people flying it that morning.

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:30 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

NAAZ,

I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)

(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, April 04, 2011 11:25 AM
To: Rothchild, Ann Christina
Subject: RE: Can you send me the names of the people you will bring with you?

Sure:

Tom O'Neill

John Kohli

Reena Bajwa

Phil Sundell

Keziah Robinson

Tom Bevan

Blair Schmicker

Naaz Khumawala

Steve Fleishman

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:22 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Can you send me the names of the people you will bring with you?

Hello Naaz,

Can you send me the names of the people you will bring with you?

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)

(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

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From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:30 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

NAAZ,

I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)

(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, April 04, 2011 11:25 AM
To: Rothchild, Ann Christina
Subject: RE: Can you send me the names of the people you will bring with you?

Sure:

Tom O'Neill

John Kohli

Reena Bajwa

Phil Sundell

Keziah Robinson

Tom Bevan

Blair Schmicker

Naaz Khumawala

Steve Fleishman

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:22 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Can you send me the names of the people you will bring with you?

Hello Naaz,

Can you send me the names of the people you will bring with you?

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
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From: Khumawala, Naaz - RSCH AMRS
To: Rothchild, Ann Christina
Sent: 4/4/2011 11:51:25 AM
Subject: RE: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?
Attachments: winmail.dat

Great, thanks

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:48 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

Naaz,

I'm checking on this. Our chief of staff wants to speak with Comr Simon about this appointment.

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)

(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, April 04, 2011 11:31 AM
To: Rothchild, Ann Christina
Subject: RE: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

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Great, thanks

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:48 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: NAAZ, I actually had you on the calendar for 9:00 am. Can you make it at 9:00?

Naaz,

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Ann Christina Rothchild
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Office of Timothy Alan Simon, Commissioner
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E-mail ACR@cpuc.ca.gov

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To: Rothchild, Ann Christina
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From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, April 04, 2011 11:25 AM
To: Rothchild, Ann Christina
Subject: RE: Can you send me the names of the people you will bring with you?

Sure:

Tom O'Neill

John Kohli

Reena Bajwa

Phil Sundell

Keziah Robinson

Tom Bevan

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From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Monday, April 04, 2011 1:22 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Can you send me the names of the people you will bring with you?

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From: Khumawala, Naaz - RSCH AMRS
To: jac@cpuc.ca.gov
Sent: 4/4/2011 12:04:16 PM
Subject: FW: Names of people we are bringing

Tom O'Neill , Green Arrow
John Kohli, Franklin Investments
Reena Bajwa, UBS Asset Management
Phil Sundell , American Century
Keziah Robinson , Capital Group
Tom Bevan , Capital International
Blair Schmicker , Franklin Investments
Naaz Khumawala , Bank of America Merrill Lynch
Steve Fleishman, Bank of America Merrill Lynch

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From:	Khumawala, Naaz - RSCH AMRS
To:	Wullenjohn, Robert J.
CC:	Ferron, Mark; Wetzell, Mark S.
Sent:	4/5/2011 10:41:25 AM
Subject:	RE: Names of people we are bringing
Attachments:	EIX 030111.pdf; EU-CP 012011 CA reg.pdf; PCG 021511.pdf; PCG 032411.pdf

Sure, here is some of our recent research on CA utilities.

From: Wullenjohn, Robert J. [mailto:robert.wullenjohn@cpuc.ca.gov]
Sent: Tuesday, April 05, 2011 12:37 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Ferron, Mark; Wetzell, Mark S.
Subject: RE: Names of people we are bringing

Ms. Khumawala. Thank you for sending the names below. Also, can you email any recent examples of research publications on the California IOUs or anything else you think will be relevant to our discussion?

Thank you.
Robert Wullenjohn,
Office of Commissioner Ferron
California Public Utilities Commission
505 Van Ness Ave, SF, CA 94044
415-703-2265

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, April 04, 2011 11:58 AM
To: Wullenjohn, Robert J.
Subject: FW: Names of people we are bringing

Tom O'Neill , Green Arrow
John Kohli, Franklin Investments
Reena Bajwa, UBS Asset Management
Phil Sundell , American Century
Keziah Robinson , Capital Group
Tom Bevan , Capital International
Blair Schmicker , Franklin Investments
Naaz Khumawala , Bank of America Merrill Lynch
Steve Fleishman, Bank of America Merrill Lynch

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Equity | United States | Electric Utilities
01 March 2011

Utility drives growth

Bank of America Merrill Lynch

Steve Fleishman +1 646 855 2906
Research Analyst
MLPF&S
steven.fleishman@baml.com

Naaz Khumawala +1 713 247 7313
Research Analyst
MLPF&S
naaz.khumawala@baml.com

2011 guidance light, rate base strong

EIX initiated 2011 guidance of $2.60-$2.90/sh, with a midpoint lighter than our estimate of $2.85 and consensus of $2.94. SCE 2011 guidance remained strong at $3.08/sh however EMG's guidance was an earnings loss of $0.19/sh. We continue to like SCE's strong quality rate base growth story and attractive valuation, but believe EMG muddles the overall story. Maintain Neutral.

Rate base growth driving earnings

SCE's rate base is forecasted to grow at an impressive 8-11% growth rate over the 2011-2014 timeframe. EIX tightened its rate base range, and the midpoint of the low and high case is higher than before. Bonus depreciation does lower rate base, though its effects are not realized until 2014. This change in rate base boosts earnings by about $0.08/sh in 2012, $0.03/sh in 2013 and $0.01/sh in 2014 holding all else constant. We assume the midpoint rate base in our estimates.

Updating our estimates; adjusting LT ROEs

EME added modestly to its hedge position in 2012, but remains largely unhedged at both MWG and HC. We have updated our model for capex, rate base, and hedging disclosures. Similar to PCG, we have haircut SCE's 2013+ CPUC ROE by 50bps to 11%. Our new 2011-2014 estimates are $2.79/$3.01/$3.06/$3.37 vs $2.85/$2.94/$3.07. Our mark to market estimates are $2.74/$2.61/$2.55/$2.84.

Raising price objective by $1 to $40

We value SCE at $40/share, based on 11.75x 2013E earnings, a discount to the industry average to reflect CA ROE concerns and the pending rate case overhang. We assign a $0/share value to EME. Downside risks: CA regulatory risk, further declining commodity prices. Upside risks: improving comm. prices.

Stock Data

Price	US$37.12
Price Objective	US$40.00
Date Established	01-Mar-2011
Investment Opinion	B-2-7
Volatility Risk	MEDIUM
52-Week Range	US$30.37-39.37
Mrkt Val / Shares Out (mn)	US$12,138 / 327.0
BofAML Ticker / Exchange	EIX / NYS
Bloomberg / Reuters	EIX US / EIX.N
ROE (2011E)	8.5%
Total Dbt to Cap (Dec-2010A)	54.2%
Est. 5-Yr EPS / DPS Growth	-3.0% / 1.6%

Key Changes

(US$)	Previous	Current
Price Obj	39.00	40.00
2011E Rev (m)	13,407.4	12,492.6
2012E Rev (m)	13,834.4	12,964.8
2013E Rev (m)	14,324.4	13,429.5
2011E EPS	2.85	2.79
2012E EPS	2.94	3.01
2013E EPS	3.07	3.06
2011E DPS	1.28	1.29

Estimates (Dec)

(US$)	2009A	2010A	2011E	2012E	2013E
EPS	3.25	3.48	2.79	3.01	3.06
GAAP EPS	3.25	3.48	2.79	3.01	3.06
EPS Change (YoY)	-11.9%	7.1%	-19.8%	7.9%	1.7%
Consensus EPS (Bloomberg)			2.94	2.66	2.88
DPS	1.25	1.27	1.29	1.31	1.33

Valuation (Dec)

	2009A	2010A	2011E	2012E	2013E
P/E	11.4x	10.7x	13.3x	12.3x	12.1x
GAAP P/E	11.4x	10.7x	13.3x	12.3x	12.1x
Dividend Yield	3.4%	3.4%	3.5%	3.5%	3.6%
EV / EBITDA*	13.7x	11.6x	11.5x	10.6x	10.0x
Free Cash Flow Yield*	-2.0%	-8.8%	-7.7%	-17.9%	-13.9%

* For full definitions of *iQmethod*℠ measures, see page 9.

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Refer to important disclosures on page 10 to 13. Analyst Certification on Page 8. Price Objective Basis/Risk on page 8. Link to Definitions on page 8.

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iQprofile℠ Edison International

iQmethod℠ – Bus Performance*

(US$ Millions)	2009A	2010A	2011E	2012E	2013E
Return on Capital Employed	4.1%	4.3%	3.8%	3.9%	4.0%
Return on Equity	11.0%	11.2%	8.5%	8.8%	8.5%
Operating Margin	14.2%	17.9%	17.3%	18.2%	18.4%
Free Cash Flow	(237)	(1,066)	(935)	(2,172)	(1,688)

iQmethod℠ – Quality of Earnings*

(US$ Millions)	2009A	2010A	2011E	2012E	2013E
Cash Realization Ratio	2.9x	3.0x	4.0x	3.1x	3.0x
Asset Replacement Ratio	2.3x	3.0x	2.8x	3.0x	2.5x
Tax Rate	NM	22.9%	24.8%	24.5%	24.1%
Net Debt-to-Equity Ratio	83.8%	97.0%	105.2%	122.2%	134.1%
Interest Cover	2.4x	3.2x	2.4x	2.4x	2.2x

Income Statement Data (Dec)

(US$ Millions)	2009A	2010A	2011E	2012E	2013E
Sales	12,361	12,409	12,493	12,965	13,429
% Change	-12.4%	0.4%	0.7%	3.8%	3.6%
Gross Profit	8,093	8,307	8,340	8,748	9,057
% Change	-0.3%	2.6%	0.4%	4.9%	3.5%
EBITDA	3,178	3,742	3,796	4,125	4,356
% Change	-18.4%	17.8%	1.4%	8.7%	5.6%
Net Interest & Other Income	(700)	(672)	(870)	(976)	(1,074)
Net Income (Adjusted)	**1,062**	**1,143**	**917**	**990**	**1,007**
% Change	**-12.6%**	**7.7%**	**-19.8%**	**8.0%**	**1.7%**

Free Cash Flow Data (Dec)

(US$ Millions)	2009A	2010A	2011E	2012E	2013E
Net Income from Cont Operations (GAAP)	1,113	1,195	969	1,042	1,059
Depreciation & Amortization	1,418	1,522	1,638	1,769	1,887
Change in Working Capital	969	(673)	0	0	0
Deferred Taxation Charge	(1,457)	1,139	218	168	162
Other Adjustments, Net	1,002	294	876	101	(99)
Capital Expenditure	(3,282)	(4,543)	(4,636)	(5,252)	(4,696)
Free Cash Flow	**-237**	**-1,066**	**-935**	**-2,172**	**-1,688**
% Change	**61.4%**	**-349.8%**	**12.3%**	**-132.2%**	**22.3%**

Balance Sheet Data (Dec)

(US$ Millions)	2009A	2010A	2011E	2012E	2013E
Cash & Equivalents	1,673	1,389	1,929	1,075	700
Trade Receivables	1,017	931	931	931	931
Other Current Assets	1,740	2,102	1,174	1,021	1,068
Property, Plant & Equipment	27,113	30,184	33,182	36,665	39,474
Other Non-Current Assets	9,901	10,924	10,924	10,924	10,924
Total Assets	**41,444**	**45,530**	**48,140**	**50,616**	**53,097**
Short-Term Debt	462	163	163	163	163
Other Current Liabilities	3,325	3,789	3,789	3,789	3,789
Long-Term Debt	10,437	12,371	14,321	16,121	17,921
Other Non-Current Liabilities	16,214	17,713	17,931	18,098	18,260
Total Liabilities	**30,438**	**34,036**	**36,204**	**38,171**	**40,133**
Total Equity	**11,006**	**11,494**	**11,936**	**12,445**	**12,964**
Total Equity & Liabilities	**41,444**	**45,530**	**48,140**	**50,616**	**53,097**

* For full definitions of iQmethod℠ measures, see page 9.

Company Description

Headquartered in Rosemead, California, EIX is the parent company of Southern California Edison (SCE), one of the largest regulated electric utilities in California, and Edison Mission Group, a competitive power generation business with operations primarily in the Midwest. SCE serves 14M people in central, coastal and Southern California. EMG's operations consist of owned or leases interests in 10,200MW including one of the largest portfolios of wind energy projects in the US.

Investment Thesis

Edison International's (EIX) utility, Southern California Edison (SCE), is a top growing utility in a constructive regulatory environment. This growth is currently muddled by a volatile and deteriorating earnings situation at Edison Mission Energy (EME), EIX's power generation company. As a result, we see very little earnings growth at EIX over the next five years and only modest dividend growth.

Stock Data

Average Daily Volume	2,113,026

Quarterly Earnings Estimates

	2010	2011
Q1	0.82A	NA
Q2	0.62A	NA
Q3	1.46A	NA
Q4	0.58A	NA

CPUC03970

Updating our work on EIX

SCE continues to have strong rate base growth and quality earnings; however SCE has a rate case to get through this year which could be an overhang. EIX's overall earnings and story continue to be muddled by EME.

We are maintaining our Neutral on EIX. EIX's utility, SCE, continues to be one the best utilities in our coverage universe. SCE has strong rate base growth from investments in transmission and distribution projects resulting in quality earnings growth.

On our valuation and $40 price objective we acknowledge that EIX looks somewhat attractive and we believe the YTD underperformance was overdone. However, SCE has a rate case to get through this year, which could be an overhang on the stock. In addition, EIX's overall earnings and story continues to be muddled by EME. While we do not assign any negative value for EME, we currently do not see any positive value either. We believe EIX may continue to trade with a conglomerate discount until clarity on EME is achieved.

SCE rate base forecast strong

SCE updated its rate base projections and forecasts rate base growth of 8-11% over the 2011-2014 timeframe

SCE updated its rate base projections and forecasts rate base growth of 8-11% over the 2011-2014 timeframe. This is in-line with the previous growth rate of 10% from 2005-2010. SCE's rate base forecast did not change significantly, though EIX did tighten the range between the low and high case to ~10% from ~16%. This is due to more certainty around capex projects, particularly transmission and rooftop solar. 2011 guidance midpoint for SCE is $3.08/sh.

Though SCE's rate base forecast did not change dramatically, the midpoint of the range (what we use in our model) did increase over the timeperiod (see Table 1). This change in rate base affects earnings by about $0.08/share in 2012, $0.03/share in 2013 and $0.01/share in 2014 holding all else constant.

Table 1: SCE rate base forecast ($B)

	2011	2012	2013	2014
New				
High	$18.2	$20.8	$22.6	$24.7
Low	18.0	19.9	21.2	22.8
Average	18.1	20.4	21.9	23.8
Previous				
High	$18.1	$20.8	$23.0	$25.2
Low	17.2	19.0	20.5	22.2
Average	17.7	19.9	21.8	23.7
Change	2.5%	2.3%	0.7%	0.2%

Source: Company presentations

Bonus D&A rate base impact delayed

SCE realizes an estimated $550M of cash benefits from bonus depreciation in 2011, but does not impact rate base until 2014

SCE realizes an estimated $550M of cash benefits from bonus depreciation in 2011. While for some utilities, this cash benefit immediately impacts rate base, for SCE, the impact is normalized over time, and does not reduce rate base in the same year. SCE's rate base does get impacted; in 2014, EIX lowered the high end of the range by $500M to reflect the impact of bonus depreciation. However, the increase in the bottom end of the range to $22.8B from $22.2B kept the midpoint of the range around $23.8B, mitigating any commensurate earnings impact.

CPUC03971

SCE's rate base growth is funded through cash flow from operations, short-term debt issuances and is supplemented by bonus depreciation and other cash tax benefits; we believe some equity may be needed eventually to sustain this level of spending

Rate base capex funded without external equity

SCE continues to fund its capex program without needing external equity. SCE's rate base growth is funded through cash flow from operations, short-term debt issuances and is supplemented by bonus depreciation and other cash tax benefits. While we appreciate the earnings growth that results from a lack of dilution we believe some equity may be needed eventually to sustain this level of spending. We note the consolidated equity ratio in our model does weaken over time to ~40% from ~46%, but this does include the impact of EME earnings as well.

SCE has requested an ~$870M rate increase based on a $16.5B rate base, 11.5% ROE and 48% equity ratio. We expect the rate increase to come down to due to the impact of bonus D&A

SCE 2012 GRC in process

In November 2010, SCE filed its 2012 GRC (for the 2012-2014 timeframe) requesting a 2012 base rate revenue requirement of $6.3B, or a ~$870M increase. We expect this revenue increase to moderate some as SCE updates it for the impact of bonus depreciation. The rate increase is based on a $16.5B 2012 CPUC jurisdictional rate base, 11.5% ROE and 48% equity ratio. A final decision is targeted for December 2011, however we believe this could easily be pushed into 1Q 2012 based on past precedent. Commissioner Tim Simon is the assigned commissioner to the rate case. As SCE has indicated that it plans to litigate the rate case versus pursuing a settlement, we believe the rate case could be an overhang on the stock for most of the year. As a reminder, cost of capital and equity layer are not included in this rate case and are currently locked through the end of 2012.

ROE could get cut

To be conservative, we are cutting our 2013 and forward CPUC jurisdictional ROE by 50bps to 11% from 11.5%; as a result in 2013, our SCE earnings (net of parent drag) have come down to $3.44 from our previous estimate of $3.49/sh

As part of the California regulatory construct, equity ratios and ROEs are decided outside of the GRC and are set for three year periods. California currently has higher ROEs than the national average. We believe there could be some downward pressure on this, and that these ROEs are likely to come down modestly when they are reviewed in 2012 to be effective in 2013.

That said, given the large renewable energy focus in California, and the 33% RPS, CA utilities generally have a large amount of PPAs. As rating agencies treat PPAs as debt, we believe relatively strong ROEs and equity ratios are necessary to avoid credit downgrades.

To be conservative, we are cutting our 2013 and forward CPUC jurisdictional ROE by 50bps to 11% from 11.5% (similar to our assumptions for PCG). We did not reduce the FERC ROE, and maintain it at 11.5%. This gives a weighted average allowed ROE of ~11.15% down from SCE's current weighted average allowed ROE of 11.5%. As a result in 2013, our SCE earnings (net of parent drag) have come down to $3.44 from our previous estimate of $3.49/sh. We note the impact is relatively light; this is largely due to the increased transmission component of SCE's overall rate base (increasing from 16% in 2011 to 23% in 2013) which still receives the higher FERC authorized ROE.

CPUC03972

EME remains challenged by weak commodity prices, narrowing dark spreads and pending environmental compliance regulations. EME's 2011 guidance is a loss of $0.19/sh. We expect these losses to grow post 2011 as EME's in the money rail contract expires at the end of 2011

EME challenges remain

EME remains challenged by weak commodity prices, narrowing dark spreads and pending environmental compliance regulations. EME's 2011 guidance is a loss of $0.19/sh. We expect these losses to grow post 2011 as EME's in the money rail contract expires at the end of 2011. Our 2011-2014 estimates for EME are -$0.15, -$0.28, -$0.38, and -$0.37 per share. Our mark to market 2011-2014 estimates are -$0.19, -$0.68, -$0.89, -$0.90 per share.

EME continues to be largely unhedged over the 2011-2014 timeframe. As a reminder, in 3Q 2010 the company reduced its 2011 power hedges for Midwest Gen and Homer City. EME added some hedges in 2012 (see Table 2), but does not plan to materially increase its hedge profile at current depressed power prices.

Table 2: EMG Hedge Program

	2011	2012	2013	2014
As of 12/31/2010				
Midwest Generation				
TWh Hedged	10.9	3.4	0.0	0.0
% Hedged	*37%*	*11%*	*0%*	*0%*
Avg Price ($/MWh)	$37.75	$38.11	$0.00	$0.00
Coal under contract (MM tons)	15.9	9.8	0.0	0.0
% Hedged	*91%*	*56%*	*0%*	*0%*
Homer City				
TWh Hedged	2.5	1.4	0.0	0.0
% Hedged	*21%*	*11%*	*0%*	*0%*
Avg Price ($/MWh)	$55.36	$51.68	$0.00	$0.00
Coal under contract (MM tons)	4.6	1.8	0.0	0.0
% Hedged	*38%*	*15%*	*0%*	*0%*
As of 9/30/2010 (adjusted)				
Midwest Generation				
TWh Hedged	10.8	2.7	0.0	0.0
% Hedged	*37%*	*9%*	*0%*	*0%*
Avg Price ($/MWh)	$37.78	$37.29	$0.00	$0.00
Coal under contract (MM tons)	15.6	9.8	0.0	0.0
% Hedged	*89%*	*56%*	*0%*	*0%*
Homer City				
TWh Hedged	1.2	1.2	0.0	0.0
% Hedged	*10%*	*10%*	*0%*	*0%*
Avg Price ($/MWh)	$57.89	$51.81	$0.00	$0.00
Coal under contract (MM tons)	4.4	1.9	0.5	0
% Hedged	*83%*	*36%*	*9%*	*0%*

Source: Company presentations, BofA Merrill Lynch Global Research

CPUC03973

While we forecast negative earnings for the next several years, we continue to see positive cash flow at EME supported by the production tax credits generated by the wind portfolio

EME also updated its capex forecast, though it did not change significantly from before. The company has forecasted approximately $480M of capex for environmental expenditures at Midwest Gen. Of this, $109M is related to SNCR (NOx) controls and the remainder is for trona for SO2 controls. That said, Midwest Gen could elect to shut down some of the plants instead of spending the capex; this decision will be impacted by the federal EPA proposed mercury and hazardous pollutant standards expected out in mid-March 2011. If EME does proceed with the trona technology, we would expect a resultant increase in operating expenses, which we currently do not include in our estimate.

While we forecast negative earnings for the next several years, we continue to see positive cash flow at EME supported by the production tax credits generated by the wind portfolio. We believe that to the extent EME can continue to operate with its cash on hand and from operations, management will retain the entity as a long-term option on power market recovery. We do not see any positive value for EME, but continue to believe that it does not deserve any negative value either.

Model updates

Our new 2011-2014 estimates are $2.79, $3.01, $3.06 and $3.37. Our 2011-2014 mark to market estimates are $2.74, $2.61, $2.55 and $2.84 per share.

We have updated our EPS estimates for EIX for updates in hedging disclosures, capex, wind project development and rate base forecasts. Our new 2011-2014 estimates are $2.79, $3.01, $3.06 and $3.37. Our prior 2011-2013 estimates were $2.85, $2.94 and $3.07. Our 2011-2014 mark to market estimates are $2.74, $2.61, $2.55 and $2.84 per share.

We made the following major updates to our model:

- **Updated for new rate base and capex forecast**: we assume the midpoint of the low and high cases for rate base and capex.
- **Adjust CPUC ROEs to 11% beginning in 2013**: as discussed above, we assume a 50bps cut in ROE post 2012. This results in a weighted average ROE of ~11.15% versus the current 11.5%.
- **No longer include energy efficiency earnings**: consistent with our assumptions for PCG and in-line with EIX assumptions, we no longer credit the company with energy efficiency earnings. In 2010 it added $0.04/sh, and could be upside for 2011.
- **Bonus depreciation cash flow**: We added $550M of cash flow from bonus depreciation to SCE in 2011 and an additional $200M in 2012.The 2012 addition is our estimate.
- **Environmental capex at Homer City:** We are assuming EME installs wet FGD scrubbers at Homer City in the 2012-2014 timeframe, though the company is considering alternate technologies. We estimate a cost of ~$1.1B for installation, or approximately $584/KW. This is lower than the $650/KW that was estimated for dry scrubbers at MWG in 2008, but above other companies' estimates for costs. We believe our estimate could be high.

Our financial summary and modeling assumptions are shown in Tables 3 and 4 below.

CPUC03974

Table 3: Financial Summary

Financial Summary	2011E	2012E	2013E	2014E
EPS	$2.79	$3.01	$3.06	$3.37
Mark to Market EPS	$2.74	$2.61	$2.55	$2.84
Diluted Shares Outstanding	329	329	329	329
Dividends Per Share	$1.29	$1.31	$1.33	$1.35
Dividend Yield	3.5%	3.5%	3.6%	3.6%
Dividend Payout Ratio	46%	43%	43%	40%
Equity Ratio	46%	43%	41%	40%
FFO/Net Debt	30%	20%	17%	17%
Valuation Metrics				
P/E	13.3x	12.3x	12.1x	11.0x
EV/EBITDA	7.3x	7.3x	7.3x	7.1x
Price/Book	1.1x	1.1x	1.0x	1.0x
FCF Yield	(7.7%)	(17.8%)	(13.8%)	26.2%
Segment EPS				
Southern California Edison (SCE)	$3.08	$3.44	$3.58	$3.88
Edison Mission Group (EMG)	(0.15)	(0.28)	(0.38)	(0.37)
Parent	(0.14)	(0.14)	(0.14)	(0.14)
Total EPS	**$2.79**	**$3.01**	**$3.06**	**$3.37**
Segment EBITDA				
Southern California Edison (SCE)	3,412	3,808	4,071	4,389
Edison Mission Group (EMG)	436	369	337	358
Parent	(65)	(65)	(65)	(65)
Total EBITDA	**$3,783**	**$4,112**	**$4,343**	**$4,682**
SCE				
Average Rate Base ($M)	$18,088	$20,307	$21,883	$23,720
Realized ROE	11.7%	11.6%	11.2%	11.2%
EMG				
EV/EBITDA	12.9x	13.5x	15.5x	14.3x
FFO/Net Debt	21%	6%	5%	5%
Net Debt/EBITDA	10.9x	13.5x	15.4x	15.5x

Source: BofA Merrill Lynch Global Research

Table 4: Model Assumptions

Assumptions	2011E	2012E	2013E	2014E
Total Capital Spending by Segment ($M)				
SCE	$4,133	$4,607	$4,070	$3,790
Edison Mission	503	646	627	627
Total Capex	**$4,636**	**$5,252**	**$4,696**	**$4,416**
Financings ($M)				
Total Equity Issued/(Repurchased)	$0	$0	$0	$0
Total Debt Issued/(Repurchased)	1,950	1,800	1,800	1,000
Sales Forecast				
SCE Volume Growth	1.0%	1.0%	1.0%	1.0%
Hedges				
Midwest Generation				
% Hedged	37%	11%	0%	0%
Hedged Price ($/MWh)	$37.75	$38.11	$0.00	$0.00
Wtd Avg Open Price ($/MWh)	$34.34	$37.74	$40.95	$40.95
Wtd Avg Realized Price ($/MWh)	$35.61	$37.78	$40.95	$40.95
Homer City				
% Hedged	21%	11%	0%	0%
Hedged Price ($/MWh)	$55.36	$51.68	$0.00	$0.00
Wtd Avg Open Price ($/MWh)	$34.79	$38.59	$40.10	$40.10
Wtd Avg Realized Price ($/MWh)	$39.13	$40.07	$40.10	$40.10
Capacity Revenue ($M)	$328	$179	$158	$179
Fuel Price Drivers				
Nat Gas ($/MMBtu)	$5.00	$5.50	$5.50	$5.50
MidW Gen Coal ($/Ton) (Realized)	28.58	30.87	38.25	38.25
HC Coal ($/Ton) (Realized)	61.43	59.20	58.21	57.50
Power Generated (in GWhs)				
Midwest Generation	29,213	29,293	29,213	29,213
Homer City	12,048	12,081	12,048	12,048
Wind	5,059	5,242	5,457	5,457
Total	**46,320**	**46,616**	**46,719**	**46,719**

Source: BofA Merrill Lynch Global Research

CPUC03975

Price objective basis & risk

Edison International (EIX)

Our EIX price objective is $40. We value SCE at $40/share, based on 11.75x 2013E earnings, a discount to the industry average to reflect CA regulation concerns and the pending rate case overhang. We see zero equity value at EME at current power prices even before adding environmental capex at the coal plants. For EME, in our view, the company cannot be worth negative value to EIX, but we also see a slim chance of material positive value barring a dramatic power market recovery. The downside risk for EIX is an unforeseen negative turn in California regulation. On the upside, a strong power market recovery could cause EME to be worth more than we currently expect.

Link to Definitions

Energy

Click here for definitions of commonly used terms.

Analyst Certification

I, Steve Fleishman, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - Electric Utilities/Competitive Power Coverage Cluster

Investment rating	Company	BofA Merrill Lynch ticker	Bloomberg symbol	Analyst
BUY				
	American Water Works	AWK	AWK US	Steve Fleishman
	CenterPoint Energy, Inc	CNP	CNP US	Steve Fleishman
	GenOn Energy, Inc.	GEN	GEN US	Ameet I. Thakkar
	NextEra Energy	NEE	NEE US	Steve Fleishman
	NV Energy	NVE	NVE US	Steve Fleishman
	PG&E Corporation	PCG	PCG US	Steve Fleishman
	Public Service Enterprise Group Inc	PEG	PEG US	Steve Fleishman
	Southern Company	SO	SO US	Steve Fleishman
	Westar Energy	WR	WR US	Steve Fleishman
	Wisconsin Energy	WEC	WEC US	Alex Kania
	Xcel Energy	XEL	XEL US	Steve Fleishman
NEUTRAL				
	Alliant Energy	LNT	LNT US	Steve Fleishman
	American Electric Power	AEP	AEP US	Steve Fleishman
	Calpine	CPN	CPN US	Ameet I. Thakkar
	CMS Energy	CMS	CMS US	Steve Fleishman
	Consolidated Edison	ED	ED US	Steve Fleishman
	Constellation Energy Group	CEG	CEG US	Ameet I. Thakkar
	Dominion Resources	D	D US	Steve Fleishman
	Duke Energy	DUK	DUK US	Steve Fleishman
	Edison International	EIX	EIX US	Steve Fleishman
	Entergy	ETR	ETR US	Steve Fleishman
	Northeast Utilities	NU	NU US	Steve Fleishman
	NRG Energy	NRG	NRG US	Ameet I. Thakkar
	NSTAR	NST	NST US	Steve Fleishman
	Pinnacle West	PNW	PNW US	Steve Fleishman
	Portland General Electric Company	POR	POR US	Steve Fleishman
	PPL Corporation	PPL	PPL US	Steve Fleishman
	SCANA Corp	SCG	SCG US	Steve Fleishman
	TECO Energy	TE	TE US	Steve Fleishman
	UIL Holdings	UIL	UIL US	Steve Fleishman

CPUC03976

US - Electric Utilities/Competitive Power Coverage Cluster

Investment rating	Company	BofA Merrill Lynch ticker	Bloomberg symbol	Analyst
UNDERPERFORM				
	Ameren Corp	AEE	AEE US	Steve Fleishman
	DPL Inc.	DPL	DPL US	Steve Fleishman
	DTE Energy	DTE	DTE US	Steve Fleishman
	Exelon	EXC	EXC US	Steve Fleishman
	FirstEnergy	FE	FE US	Steve Fleishman
	Hawaiian Electric Industries	HE	HE US	Steve Fleishman

iQmethod℠ Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) * (1 - Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5-Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings		
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt, Less Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit		
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap. = Current Share Price * Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price * Current Shares + Minority Equity + Net Debt + Other LT Liabilities	Sales
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

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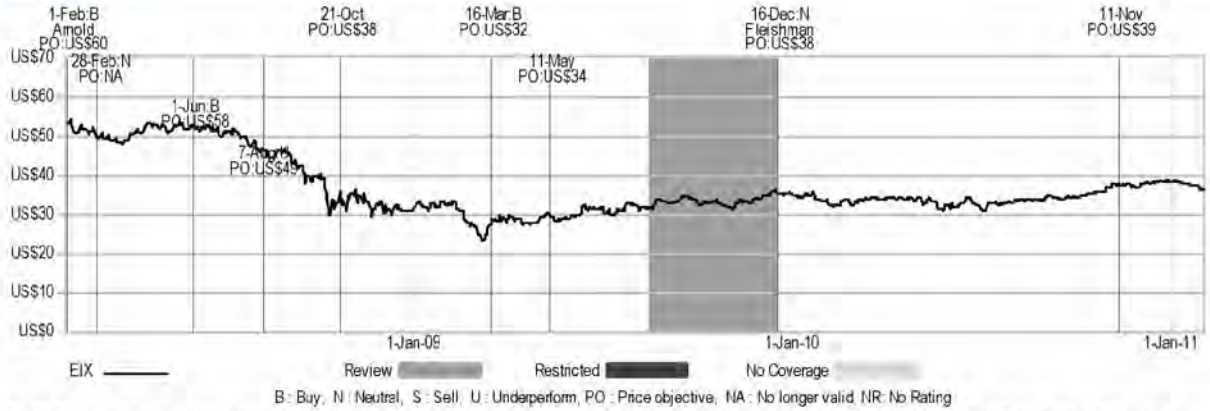

B : Buy, N : Neutral, S : Sell, U : Underperform, PO : Price objective, NA : No longer valid, NR: No Rating

Prior to May 31, 2006, the investment opinion system included Buy, Neutral and Sell. As of May 31, 2006, the investment opinion system includes Buy, Neutral and Underperform. Dark Grey shading indicates that a security is restricted with the opinion suspended. Light grey shading indicates that a security is under review with the opinion withdrawn. The current investment opinion key is contained at the end of the report. Chart is current as of January 31, 2011 or such later date as indicated.

Investment Rating Distribution: Utilities Group (as of 01 Jan 2011)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	74	39.57%	Buy	30	46.15%
Neutral	56	29.95%	Neutral	33	63.46%
Sell	57	30.48%	Sell	17	33.33%

Investment Rating Distribution: Global Group (as of 01 Jan 2011)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	2011	53.86%	Buy	874	48.31%
Neutral	925	24.77%	Neutral	444	52.30%
Sell	798	21.37%	Sell	276	36.75%

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Investment rating	Total return expectation (within 12-month period of date of initial rating)	Ratings dispersion guidelines for coverage cluster*
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Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

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Earnings Review

Equity | United States | Electric Utilities
20 January 2011

East Meets West: an update on California

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Commissioner changes at the CPUC; Peevey is key

We met with California Public Utilities Commissioner Tim Simon at the Wall Street Utility Group meeting in NY on 1/19/11. Comm. Simon is a current member of the CPUC, with his term expiring in 2013. Comm. Simon indicated that he expects Peevey will likely remain President of the CPUC. We view this as key, as Peevey has been a steady influence at the CPUC, and has led many electric utility issues. We believe Comm. Ryan appears unlikely to remain on the commission, as the CA Senate has not yet confirmed her appointment, which has a 1/20/11 deadline. Gov. Brown will therefore likely be appointing three new members to the CPUC.

Potential new commissioners

Names that have been mentioned by Comm. Simon as potential new commissioners include Mike Florio, an attorney for TURN (The Utility Reform Network), Catherine Sandoval, a law professor and telecom expert, and Jack McNally, a former union representative and current labor consultant for CFEE (CA Foundation on the Environment and Economy). Based on our review, these potential candidates appear balanced and fair. If these candidates were appointed, we believe the CPUC would remain reasonable. The next two CPUC meetings are scheduled for 1/27/2011 and 2/24/2011. A quorum (three commissioners) is required to vote on issues, which may require Governor Brown to fill at least one of the vacancies relatively soon.

PCG remains in spotlight

PCG remains in the spotlight in CA, with frequent negative press on San Bruno and opposition to smart meters gaining momentum. While we remain concerned by this overhang on PCG, we continue to believe the GRC settlement will be approved. Currently no major parties are opposed, and key intervenors such as DRA and TURN have signed on. While there could be some political sensitivities around the GRC, we do not expect it to impact the settlement.

California economy, renewables a focus

The weak California economy and high unemployment rate (12.4%) remain a focus. We believe at least one of the new commissioners could be very focused on job creation, and potentially tie jobs to utilities' infrastructure spend. Renewables and the environment policy remain a key policy initiative for Gov. Brown and we believe the CPUC will remain committed to growing renewables. We do continue to expect some some downward pressure for ROEs post 2012, but do not expect a drastic reduction.

Fears on California could be overblown

We remain supportive of CA, and believe current investor concerns could be overblown. We note the pure play California utility, PCG, does not have any rate case risk for the next 3 years post the pending settlement. We believe the current Commissioner changes will have a modest overall impact to the CPUC.

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15 February 2011

Pipeline costs could moderate 2011 earnings

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Ongoing San Bruno investigations could be headwind

PCG continues to face ongoing NTSB and CPUC investigations into the San Bruno pipeline disaster. While neither investigation has been conclusive, PCG has faced increased scrutiny on its record-keeping and ongoing pipeline operations. We believe PCG could see some additional one-time cost increases related to San Bruno in 2011, pressuring 2011 earnings.

Bonus depreciation (D&A) could lessen equity needs

We estimate PCG will see material cash benefits (up to ~$800M in 2011) from bonus D&A extension. Given this additional cash and the cancellation of the Manzana Wind project, we believe PCG may not need the majority of its $400M of external equity in 2011. We note, however, that the CPUC has a proposed resolution outstanding that would give back bonus D&A cash benefits to CA ratepayers immediately. If this is passed, we would expect a moderate increase in equity issuance for 2011, but likely less than $400M given the loss of Manzana.

Adjusting EPS for San Bruno costs in 2011, ROE in 2013

We have adjusted our estimates to reflect our estimate of San Bruno in 2011. Our new '11 estimate is $3.65 vs our prior estimate of $3.71. PCG narrowed its '11 guidance to $3.65-$3.80 from $3.65-$3.85 to reflect San Bruno costs and the GRC settlement in Nov. 2010. We also reduced our expected CPUC jurisdictional ROE for '13 to 10.85% from 11.35% given our expectation for a lower future ROE. Our new '11-'14 estimates are $3.65/$3.89/$3.95/$4.13 from $3.71/$3.91/$4.11.

Reiterate Buy, $50 price objective

PCG continues to trade at a discount to the large cap regulateds, despite its above-average 6-8% EPS growth rate. Our PO is based on an industry average of 12.5x 2013E earnings. Risks are liability related to the explosion, approval of the settlement, regulatory changes.

Stock Data

Price	US$46.21
Price Objective	US$50.00
Date Established	21-Oct-2010
Investment Opinion	A-1-7
Volatility Risk	LOW
52-Week Range	US$34.95-48.63
Mrkt Val / Shares Out (mn)	US$17,975 / 389.0
BofAML Ticker / Exchange	PCG / NYS
Bloomberg / Reuters	PCG US / PCG.N
ROE (2010E)	12.3%
Total Dbt to Cap (Dec-2009A)	49.5%
Est. 5-Yr EPS / DPS Growth	8.0% / 6.0%

Key Changes

(US$)	Previous	Current
2010E Rev (m)	15,212.0	14,425.9
2011E Rev (m)	15,655.0	14,810.0
2012E Rev (m)	16,221.4	15,337.1
2011E EPS	3.71	3.65
2012E EPS	3.91	3.89

Estimates (Dec)

(US$)	2008A	2009A	2010E	2011E	2012E
EPS	3.02	3.20	3.44	3.65	3.89
GAAP EPS	3.02	3.20	3.44	3.65	3.89
EPS Change (YoY)	8.6%	6.0%	7.5%	6.1%	6.6%
Consensus EPS (Bloomberg)			3.43	3.71	3.89
DPS	1.56	0	1.82	1.97	2.12

Valuation (Dec)

	2008A	2009A	2010E	2011E	2012E
P/E	15.3x	14.4x	13.4x	12.7x	11.9x
GAAP P/E	15.3x	14.4x	13.4x	12.7x	11.9x
Dividend Yield	3.4%	0%	3.9%	4.3%	4.6%
EV / EBITDA*	11.9x	10.9x	9.4x	9.1x	8.4x
Free Cash Flow Yield*	-4.9%	-5.1%	-1.9%	0.8%	1.4%

* For full definitions of *iQmethod*℠ measures, see page 7.

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iQprofile℠ PG&E Corporation

iQmethod℠ – Bus Performance*

(US$ Millions)	2008A	2009A	2010E	2011E	2012E
Return on Capital Employed	4.9%	4.8%	4.8%	4.9%	5.2%
Return on Equity	12.1%	12.5%	12.3%	12.1%	12.1%
Operating Margin	14.6%	17.7%	21.3%	21.9%	23.0%
Free Cash Flow	(879)	(919)	(345)	150	250

iQmethod℠ – Quality of Earnings*

(US$ Millions)	2008A	2009A	2010E	2011E	2012E
Cash Realization Ratio	2.5x	2.5x	2.7x	2.9x	2.6x
Asset Replacement Ratio	2.2x	2.3x	2.3x	2.3x	2.1x
Tax Rate	28.2%	27.2%	39.4%	39.0%	39.0%
Net Debt-to-Equity Ratio	106.8%	109.7%	103.8%	105.9%	103.2%
Interest Cover	2.9x	3.4x	3.5x	3.6x	3.5x

Income Statement Data (Dec)

(US$ Millions)	2008A	2009A	2010E	2011E	2012E
Sales	14,628	13,399	14,426	14,810	15,337
% Change	10.5%	-8.4%	7.7%	2.7%	3.6%
Gross Profit	8,113	8,397	9,641	10,003	10,509
% Change	4.5%	3.5%	14.8%	3.8%	5.1%
EBITDA	3,791	4,118	4,791	4,957	5,340
% Change	-3.1%	8.6%	16.3%	3.5%	7.7%
Net Interest & Other Income	(634)	(672)	(872)	(895)	(985)
Net Income (Adjusted)	**1,081**	**1,234**	**1,336**	**1,435**	**1,556**
% Change	**7.5%**	**14.2%**	**8.3%**	**7.4%**	**8.4%**

Free Cash Flow Data (Dec)

(US$ Millions)	2008A	2009A	2010E	2011E	2012E
Net Income from Cont Operations (GAAP)	1,081	1,234	1,336	1,435	1,556
Depreciation & Amortization	1,651	1,752	1,712	1,709	1,805
Change in Working Capital	(739)	(814)	0	0	0
Deferred Taxation Charge	590	809	300	(100)	(50)
Other Adjustments, Net	166	58	206	1,104	773
Capital Expenditure	(3,628)	(3,958)	(3,900)	(3,999)	(3,834)
Free Cash Flow	**-879**	**-919**	**-345**	**150**	**250**
% Change	**-292.4%**	**-4.6%**	**62.4%**	**NM**	**66.9%**

Balance Sheet Data (Dec)

(US$ Millions)	2008A	2009A	2010E	2011E	2012E
Cash & Equivalents	1,509	1,160	1,271	560	538
Trade Receivables	2,436	2,280	2,280	2,280	2,280
Other Current Assets	2,458	2,217	2,397	1,697	1,347
Property, Plant & Equipment	26,261	28,892	30,694	32,580	34,185
Other Non-Current Assets	8,196	8,396	8,396	8,396	8,996
Total Assets	**40,860**	**42,945**	**45,037**	**45,512**	**47,346**
Short-Term Debt	887	1,175	1,175	1,175	1,175
Other Current Liabilities	6,369	5,252	5,252	4,619	4,619
Long-Term Debt	10,904	11,594	12,256	12,652	13,429
Other Non-Current Liabilities	13,071	14,339	14,639	14,539	14,489
Total Liabilities	**31,231**	**32,360**	**33,322**	**32,985**	**33,712**
Total Equity	**9,629**	**10,585**	**11,715**	**12,527**	**13,634**
Total Equity & Liabilities	**40,860**	**42,945**	**45,037**	**45,512**	**47,346**

* For full definitions of iQmethod℠ measures, see page 7.

Company Description

PG&E Corp is one of the largest combination natural gas and electric utilities in the United States and the third largest regulated utility in our coverage universe. Based in San Francisco, California, the company primary business is the transmission and delivery of energy. The company provides natural gas and electric service to approximately 15 million people throughout a 70,000-square-mile service area to most of the northern two-thirds of California.

Investment Thesis

PCG offers a compelling regulated growth story with well below average risk. PCG benefits from very supportive state regulation in CA. Key positive CA regulatory mechanisms include revenue decoupling, cost of capital adjustment mechanism, and a pension balancing account. We project earnings growth of 6-7% over the next 5 years driven by a 10% growth in ratebase, through investments in transmission and distribution and generation. We expect PCG to increase the dividend as earnings grow.

Stock Data

Average Daily Volume	2,267,767

Quarterly Earnings Estimates

	2009	2010
Q1	0.65A	0.79A
Q2	0.83A	0.91A
Q3	0.93A	1.02A
Q4	0.79A	0.72E

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PCG earnings preview

We believe PCG could see some additional cost increases related to San Bruno, pressuring 2011 earnings. PCG is scheduled to report earnings on February 17, 2011 at 11:30am EST.

PCG continues to face ongoing NTSB and CPUC investigations into the San Bruno pipeline disaster. While neither investigation has been conclusive, PCG has faced increased scrutiny on its record-keeping and ongoing pipeline operations. We believe PCG could see some additional one-time cost increases related to San Bruno in 2011, pressuring 2011 earnings. PCG is scheduled to report earnings on February 17, 2011. It will hold its conference call at 11:30am EST.

San Bruno investigations

We have assumed some additional O&M costs in 2011, and our new 2011 estimate is $3.65, the low end of PCG's 2011 guidance range

San Bruno continues to be an overhang on PCG's regulatory and political relationships. Given some of the increased need for inspections of pipeline pressure, record-keeping and possible leak assesments under the CPUC and NTSB investigations, we are taking a more conservative approach on pipeline O&M. Thus, we have assumed some additional O&M costs in 2011, and our new 2011 estimate is $3.65, the low end of PCG's 2011 guidance range of $3.65-$3.80/sh.

GRC settlement still outstanding

We are still waiting for a proposed decision from the ALJ on PCG's Gas Storage & Transmission GRC and Electric & Gas GRC. There is a 30-day wait period post an ALJ decision before the CPUC can issue a final decision. We believe it is likely both settlements will be approved given the largely unanimous support of the settlement by major parties.

In addition, we believe it is likely that newly appointed Commissioner, Mike Florio, will recuse himself from the PCG GRC, given his involvement with them in his prior role as an attorney with TURN (a major intervenor).

Bonus D&A could lessen equity needs

We estimate PCG will see cash benefits from the bonus D&A extension. Given this additional cash and the cancellation of Manzana , we believe PCG may not need the majority of its $400M of external equity in 2011.

We expect PCG to benefit from bonus D&A in 2011 and 2012. We expect cash benefits of ~$800M in 2011 and ~$400M in 2012. PCG had previously announced that it would issue up to $400M in external equity in 2011 (starting in late 2010) under a DRIBBLE program to fund rate base and the Manzana Wind project. Given the cancellation of Manzana and the influx of bonus D&A, we expect PCG to fund its external equity needs through cash on hand.

We note, however, that the CPUC has a proposed resolution outstanding that would give back bonus D&A cash benefits to CA ratepayers immediately. If this is passed, we would expect a moderate increase in equity issuance for 2011, but likely less than the $400M given the loss of Manzana. This resolution is currently on the CPUC agenda for 2/24/2011.

Additionally, while bonus D&A does lower rate base through an increase in deferred taxes, this impact for PCG could be pushed out. Currently, PCG's rate base for the 2011-2013 timeframe is set through its GRC settlement. It is possible that PCG could not see the impact on rate base until its next GRC in 2014.

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ROE, capital structure could get cut

We believe there could be some downward ROE and equity layer pressure in 2013

As part of the California regulatory construct, equity ratios and ROEs are decided outside of the GRC and are set for three year periods. California currently has higher ROEs than the national average. We believe there could be some downward pressure on this, and that these ROEs are likely to come down modestly when they are reviewed in 2012 to be effective in 2013.

That said, given the large renewable energy focus in California, and the 33% RPS, CA utilities generally have a large amount of PPAs. As rating agencies treat PPAs as debt, we believe relatively strong ROEs and equity ratios are necessary to avoid credit downgrades.

To be conservative, we are cutting our 2013 and forward CPUC jurisdictional ROE by 50bps to 10.85% from 11.35%. As a result in 2013, our earnings have come down to $3.95 from our previous estimate of $4.11/sh.

To be conservative, we are cutting our 2013 and forward CPUC jurisdictional ROE by 50bps to 10.85% from 11.35%. We did not reduce the FERC ROE, and maintain it at 12%. This gives a weighted average allowed ROE of ~11% down from PCG's current weighted average allowed ROE of 11.45%. As a result in 2013, our earnings have come down to $3.95 from our previous estimate of $4.11/sh.

As stated above, capital structure will also likely be reviewed in 2012 to be effective in 2013. PCG currently has a 52% equity ratio, above its peer CA utilities (SCE at 48%, SDG&E at 49%). While we do believe there is a possibility that PCG's equity layer is reduced, we expect that PCG will use the extra equity on hand to reduce future equity needs until its equity layer is lessened, or do a stock buyback.

Reducing PCG's equity ratio to 48% from the current 52% will impact our earnings by roughly $0.07/sh

We have run sensitivities on our model. Under a case where we reduce PCG's equity ratio to 48% from the current 52%, it will impact our earnings by roughly $0.07/sh, net of cash used for buybacks and debt paydown. This would not move our valuation meaningfully.

Valuation

We have updated our model to reflect a reduced ROE in 2013, and have taken our 2013 estimate to $3.95/sh. We now value PCG on 2013 earnings to fully account for a new ROE. Our $50 price objective is based on applying an industry average of 12.5x multiple to 2013E earnings. In other words, PCG stock is already reflecting an ROE cut at the current depressed valuations.

Model Updates

Our 2011-2014 estimates are now $3.65, $3.89, $3.95, and $4.05 per share

We have updated our 2011-2014 estimates for San Bruno and a potentially lower ROE post 2012. Our 2011-2014 estimates are now $3.65, $3.89, $3.95, and $4.05 per share. Our prior 2011-2013 estimates were $3.71, $3.91 and $4.11 per share. Tables 1 and 2 highlight our financial summary and modeling assumptions for PCG. We made the following adjustments to our model:

- Assume $50M (pre-tax) of one-time operational costs in 2011 related to San Bruno.
- Remove energy efficiency earnings from 2011-2014 estimates. We had previously estimated this at $15M, or $0.02/sh. While PCG was awarded ~$40M in energy efficiency payments in 2010, we conservatively do not expect this to continue given the scrutiny under which the energy effiency programs are currently PCG has included a range of $0-$30M in its 2011 guidance.

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- Adjusted 2011 and 2012 cash flow for bonus depreciation. We conservatively model in $700M in cash in 2011 and $350M of cash in 2012. We believe this number could be as high as $800M in 2011 and $400M in 2012.
- Assume only $150M of equity in 2011 under PCG's DRIP. In addition we assume incremental equity needs of $250M/year from 2012-2014 to fund rate base growth and maintain a 52% equity ratio and ~49-50% consolidated equity ratio.
- We reduce our 2014 rate base by $1,050M, assuming a reset rate base due to bonus depreciation gains in 2011 and 2012.

Table 1: Financial Summary

Financial Summary	2010E	2011E	2012E	2013E	2014E
EPS	$3.44	$3.65	$3.89	$3.95	$4.05
Diluted Shares Outstanding	389	394	400	409	418
Dividends Per Share	$1.82	$1.97	$2.12	$2.29	$2.48
Dividend Yield	4.0%	4.3%	4.6%	5.0%	5.4%
Dividend Payout Ratio	53%	54%	55%	58%	61%
Equity Ratio	49%	49%	49%	50%	50%
FFO/Net Debt	29%	32%	29%	23%	23%
Valuation Metrics					
P/E	13.4x	12.6x	11.8x	11.6x	11.3x
Price/Book	1.5x	1.4x	1.3x	1.3x	1.2x
Segment EPS					
Utility	$3.51	$3.65	$3.89	$3.95	$4.05
Parent	(0.01)	(0.00)	(0.00)	0.00	0.01
Total EPS	**$3.50**	**$3.65**	**$3.89**	**$3.95**	**$4.05**
Utility					
Realized ROE	11.6%	11.5%	11.5%	11.0%	11.0%
Average Rate Base	$22,030	$24,119	$26,053	$28,084	$29,436

Source: BofA Merrill Lynch Global Research

Table 2: Modeling Assumptions

Assumptions	2010E	2011E	2012E	2013E	2014E
Total Capital Spending by Segment ($M)					
Electric Distribution	$1,300	$1,550	$1,550	$1,550	$1,550
Generation	750	375	375	375	375
Common Plant	265	350	350	350	350
Electric Transmission	800	950	950	950	950
Gas Transmission	250	200	200	200	200
AMI & Other	535	165	0	0	0
Total Capex	**$3,900**	**$3,590**	**$3,425**	**$3,425**	**$3,425**
Financings ($M)					
Total Equity Issued/(Repurchased)	$502	$150	$400	$400	$400
Total Debt Issued/(Repurchased)	1,048	800	1,200	900	900
Sales Forecast					
Electric Customer Growth	0.0%	0.0%	0.0%	0.0%	0.0%
Gas Customer Growth	1.8%	1.8%	1.8%	1.8%	1.8%

Source: BofA Merrill Lynch Global Research

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Price objective basis & risk

PG&E Corporation (PCG)

Our $50 price objective assumes an average P/E of 12.5x 2013E earnings, in line with the regulated utility average. Risks to our outlook are: 1) approval of the settlement in the 2011 general rate case and 2) Any unforeseen changes to California regulation.

Link to Definitions

Energy

Click here for definitions of commonly used terms.

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	American Water Works	AWK	AWK US	Steve Fleishman
	CenterPoint Energy, Inc	CNP	CNP US	Steve Fleishman
	GenOn Energy, Inc	GEN	GEN US	Ameet I. Thakkar
	NextEra Energy	NEE	NEE US	Steve Fleishman
	NV Energy	NVE	NVE US	Steve Fleishman
	PG&E Corporation	PCG	PCG US	Steve Fleishman
	Public Service Enterprise Group Inc.	PEG	PEG US	Steve Fleishman
	Southern Company	SO	SO US	Steve Fleishman
	Westar Energy	WR	WR US	Steve Fleishman
	Wisconsin Energy	WEC	WEC US	Alex Kania
	Xcel Energy	XEL	XEL US	Steve Fleishman
NEUTRAL				
	Alliant Energy	LNT	LNT US	Steve Fleishman
	American Electric Power	AEP	AEP US	Steve Fleishman
	Calpine	CPN	CPN US	Ameet I. Thakkar
	CMS Energy	CMS	CMS US	Steve Fleishman
	Consolidated Edison	ED	ED US	Steve Fleishman
	Constellation Energy Group	CEG	CEG US	Ameet I. Thakkar
	Dominion Resources	D	D US	Steve Fleishman
	Edison International	EIX	EIX US	Steve Fleishman
	Entergy	ETR	ETR US	Steve Fleishman
	Northeast Utilities	NU	NU US	Steve Fleishman
	NRG Energy	NRG	NRG US	Ameet I. Thakkar
	NSTAR	NST	NST US	Steve Fleishman
	Pinnacle West	PNW	PNW US	Steve Fleishman
	Portland General Electric Company	POR	POR US	Steve Fleishman
	PPL Corporation	PPL	PPL US	Steve Fleishman
	SCANA Corp	SCG	SCG US	Steve Fleishman
	TECO Energy	TE	TE US	Steve Fleishman
	UIL Holdings	UIL	UIL US	Steve Fleishman

CPUC03992

US - Electric Utilities/Competitive Power Coverage Cluster

Investment rating	Company	BofA Merrill Lynch ticker	Bloomberg symbol	Analyst
UNDERPERFORM				
	Ameren Corp	AEE	AEE US	Steve Fleishman
	DPL Inc.	DPL	DPL US	Steve Fleishman
	DTE Energy	DTE	DTE US	Steve Fleishman
	Duke Energy	DUK	DUK US	Steve Fleishman
	Exelon	EXC	EXC US	Steve Fleishman
	FirstEnergy	FE	FE US	Steve Fleishman
	Hawaiian Electric Industries	HE	HE US	Steve Fleishman

iQmethod℠ Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) * (1 - Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5-Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings		
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt, Less Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit		
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap. = Current Share Price * Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price * Current Shares + Minority Equity + Net Debt + Other LT Liabilities	Sales
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

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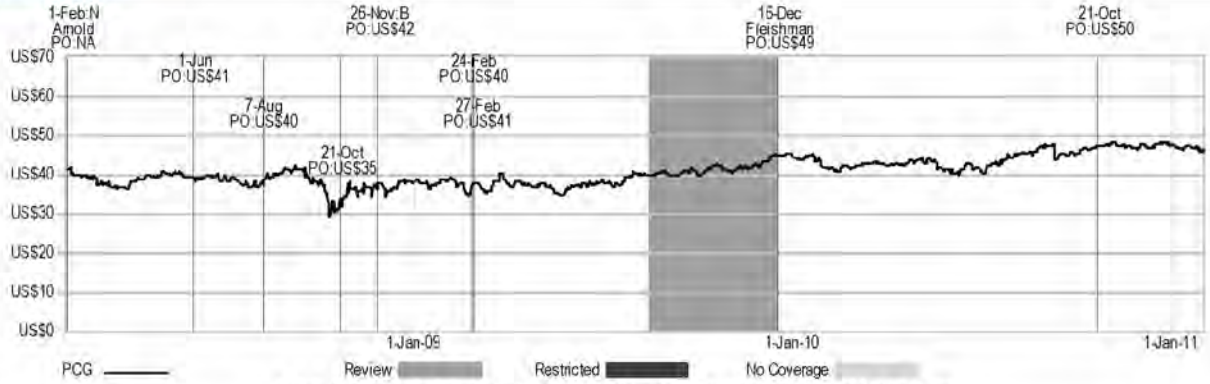
Important Disclosures

PCG Price Chart



B : Buy, N : Neutral, S : Sell, U : Underperform, PO : Price objective, NA : No longer valid, NR: No Rating

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Investment Rating Distribution: Utilities Group (as of 01 Jan 2011)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	74	39.57%	Buy	30	46.15%
Neutral	56	29.95%	Neutral	33	63.46%
Sell	57	30.48%	Sell	17	33.33%

Investment Rating Distribution: Global Group (as of 01 Jan 2011)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
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Neutral	925	24.77%	Neutral	444	52.30%
Sell	798	21.37%	Sell	276	36.75%

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Investment rating	Total return expectation (within 12-month period of date of initial rating)	Ratings dispersion guidelines for coverage cluster*
Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

* Ratings dispersions may vary from time to time where BofA Merrill Lynch Research believes it better reflects the investment prospects of stocks in a Coverage Cluster

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CPUC03996

PG&E Corporation

CPUC issues show cause order against PCG

Company Update **BUY**

Equity | United States | Electric Utilities
24 March 2011

Bank of America Merrill Lynch

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CPUC issues show cause at March 24 meeting

The California Public Utilities Commission (CPUC) approved an Order to Show Cause for PCG to show why it should not be fined for failing to comply with the CPUC pipeline records search order (which was due March 15). The hearing for the Show Cause will be on Monday, March 28. CPUC staff has reached a proposed stipulation with PCG that would fine the company $6M (payable by shareholders) for failure to comply. If PCG completed its records search on pipes by August 31, 2011, $3M of the fine would be suspended.

San Bruno to continue to be main focus

As evidenced by the CPUC directives over the past few months and today's CPUC meeting, San Bruno continues to be a key focus for the Commission. We expect headline risk to remain for the stock over the next few months, particularly as the CPUC and NTSB investigations remain ongoing and the CPUC proceeding on pipeline safety and operations progresses. We continue to see some risks from the proceedings as if it is determined that PCG violated safety law standards, the CPUC may impose additional fines and penalties on PCG.

GRC final decisions still outstanding

Though the electric GRC was on today's agenda for a final vote by the CPUC, the public comment period and other agenda items caused the meeting to run long. We expect the electric GRC as well as the gas storage & transmission GRC to be on the April 14 agenda for a final vote. As a reminder, in both GRCs the proposed decisions largely adopt the settlements in the cases. We believe it is likely both settlements will be approved given the largely unanimous support of the settlement by major parties.

Mark Ferron appointed as 5th CPUC Commissioner

Mark Ferron was appointed to the CPUC earlier this week. Ferron was formerly the COO of Global Markets for Deutsche Bank. Though he does not appear to have much utility experience, he appears to be balanced and fair with a deep financial background. In addition, we expect given this final appointment, for President Peevey to remain as President of the CPUC for at least another few years, which we view positively for the California utilities.

Stock trades at meaningful discount

While the investigations and eventual costs around San Bruno will remain uncertain for the near-future, PCG is at a 13% discount to its regulated peers, a discount that is too high in our view. We continue to see ~5% EPS growth over the next several years including an ROE reduction in 2013, and above average 8% dividend growth (Note PCG delayed its dividend increase until 2Q after GRC is approved). Risks are liability related to the explosion, approval of the settlement, regulatory changes.

Stock Data

Price	US$43.67
Price Objective	US$50.00
Date Established	21-Oct-2010
Investment Opinion	A-1-7
Volatility Risk	LOW
BofAML Ticker / Exchange	PCG / NYS
Bloomberg / Reuters	PCG US / PCG.N

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Price objective basis & risk

PG&E Corporation (PCG)

Our $50 price objective assumes an average P/E of 12.5x 2013E earnings, in line with the regulated utility average. Risks to our outlook are: 1) approval of the settlement in the 2011 general rate case and 2) Any unforeseen changes to California regulation.

Link to Definitions

Energy

Click here for definitions of commonly used terms.

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CPUC03998

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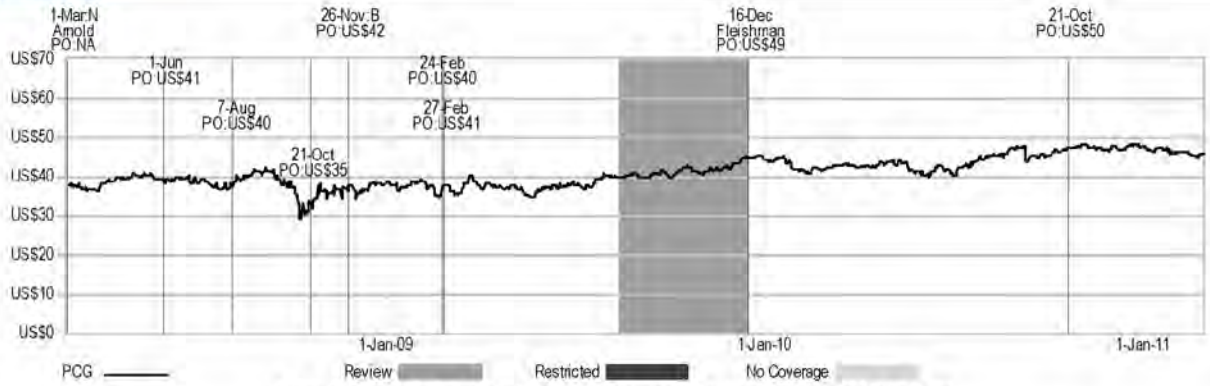
PCG Price Chart



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Sell	798	21.37%	Sell	276	36.75%

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Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

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From: Khumawala, Naaz - RSCH AMRS
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 4/7/2011 2:40:30 PM
Subject: Re: meeting w/ Paul this afternoon

Regulatory questions on cost of capital, renewables, ROEs, san bruno, smart meters

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, April 07, 2011 04:22 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: meeting w/ Paul this afternoon

Hi Naz--
In looking at his calendar, Paul asked the subject of this meeting. There are several attendees, so he would like to know what specifics they will be discussing.

Thank you

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From:	Khumawala, Naaz - RSCH AMRS
To:	mark.ferron@cpuc.ca.gov
Sent:	4/12/2011 6:44:22 AM
Subject:	FW: PCG US: PG&E Corporation : Quantifying San Bruno; major risk priced in. Maintain Buy - BUY - United States - 12pp
Attachments:	mlbull.gif; spacer.gif

Thanks for the meeting last week--here are all our notes that we wrote on it.

From: BofAML-Steve Fleishman [mailto:feedback@mlresearch.ml.com]
Sent: Tuesday, April 12, 2011 5:18 AM
To: Khumawala, Naaz - RSCH AMRS
Subject: PCG US: PG&E Corporation : Quantifying San Bruno; major risk priced in. Maintain Buy - BUY - United States - 12pp

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San Bruno big overhang; will stay that way for awhile

San Bruno remains a major concern for PCG and the CPUC. Post our meetings with the CPUC and PCG management last week, we believe San Bruno and its ramifications will likely get worse before it gets better. We have done some scenario analysis and believe most of the San Bruno risk is priced in. We have adjusted our estimates down to reflect a reasonable downside scenario (additional $500M of non-recoverable costs). On our revised estimates PCG still trades at an 8% discount to peers. Maintain our Buy rating but lower PO to $48.

Lowering estimates on estimated San Bruno impact

We our adjusting our 2011-2014 PCG estimates to $3.65/$3.80/$3.79/$3.88 from $3.65/$3.89/$3.95/$4.05. We assume an additional $500M of non-recoverable costs associated with San Bruno (SB) on top of our previous estimate of $300M of direct costs (combination of direct costs and penalties) and fund the additional $500M entirely with equity. In addition, we lower the equity ratio in 2013 to 48% (in-line with EIX) from 52%. We issue $1.2B of debt and repurchase $1.2B of stock to lower the equity ratio. We believe our SB estimate is reasonable.

Fundamental utility story intact

Though the CPUC has been under strain as a result of San Bruno, the commissioners said they would treat PCG fairly in other matters including the upcoming GRC approval. In addition, we still see LT earnings growth from renewables investments to meet the state's RPS. Eventually, PCG will see rate base growth to enhance its gas system, but the transition from shareholder-funded spend to fix San Bruno to ratepayer-funded spend to achieve best-in-class safety is still uncertain.

Maintain Buy; Lowering PO to $48

Our PO is based on an industry average of 12.5x 2013E earnings. Risks are liability related to the explosion, approval of the settlement, regulatory changes.

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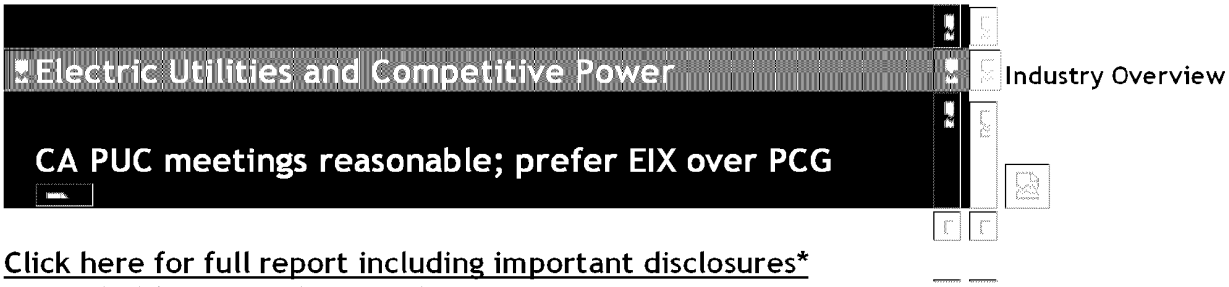
From:	Khumawala, Naaz - RSCH AMRS
To:	mark.ferron@cpuc.ca.gov
Sent:	4/12/2011 6:44:26 AM
Subject:	FW: Electric Utilities and Competitive Power : CA PUC meetings reasonable; prefer EIX over PCG - United States - 9pp
Attachments:	mlbull.gif; spacer.gif

From: BofAML-Steve Fleishman [mailto:feedback@mlresearch.ml.com]
Sent: Tuesday, April 12, 2011 5:17 AM
To: Khumawala, Naaz - RSCH AMRS
Subject: Electric Utilities and Competitive Power : CA PUC meetings reasonable; prefer EIX over PCG - United States - 9pp



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(intended for Naaz Khumawala)

CA regulators reasonable despite San Bruno pressures

Last week, we met with four of the five CPUC commissioners as well as several other PUC members. Significant public pressure in the wake of the San Bruno explosion is clearly weighing on the agency. Nonethless, the commissioners remain focused on the large infrastructure needs in the state to meet the 33% renewable standard and increased safety/reliability, as well as the importance of healthy utilities to implement this. Gov Brown has given a consistent message to the new commissioners: the 33% renewable standard is a floor, not a ceiling.

San Bruno impacts...

San Bruno has clearly heightened the PUC focus on safety going forward - not just in the gas business but in all other areas. This may result in the PUC tracking rate case spending more closely, but may also create new investment opportunity. For PCG, San Bruno is a huge overhang on the company with several proceedings pending that could result in penalties and higher direct spending. At some point, PCG will see ratebase growth to enhance its gas system, but the transition from shareholder-funded spend to fix San Bruno to ratepayer-funded spend to achieve best-in-class safety is still uncertain.

ROE and other issues

On the cost of capital case in 2012, the commissioners generally noted that CA ROEs are on the higher end and will likely trend down, but not likely to industry averages recognizing the large investment need in the state. We continue to assume a 50bp reduction in 2013. On President Peevey, the Governor has indicated that he would like him there until at least the end of 2011. However, it is possible that one of the three new Comms might be named President afterward.

Prefer EIX to PCG to play California

We are upgrading EIX to Buy from Neutral after our CA trip. We see it as the best way to play the ratebase growth opportunities in CA. At this point, we would rather deal with the uncertain future of Edison Mission than the political/financial risk from San Bruno, and SCE trades at a lower embedded valuation than PCG. EIX's general rate case is a year behind PCG's, but we believe a settlement or reasonable outcome is likely.

PCG in the crosshairs though stock reflects it

Several commissioners mentioned that PCG will not be treated harsher than the other utilities due to San Bruno and our sense was that the GRC would likely be adopted. Nonetheless, there is clear concern on PCG's gas business operations and upcoming

reports on San Bruno causes could be adverse. We have updated our estimates and price target to reflect higher San Bruno costs and a worse cost of capital decision. Even so, the stock valuation more than reflects these issues.

To reply to Steve Fleishman directly, click here or call +1 646 855 2906

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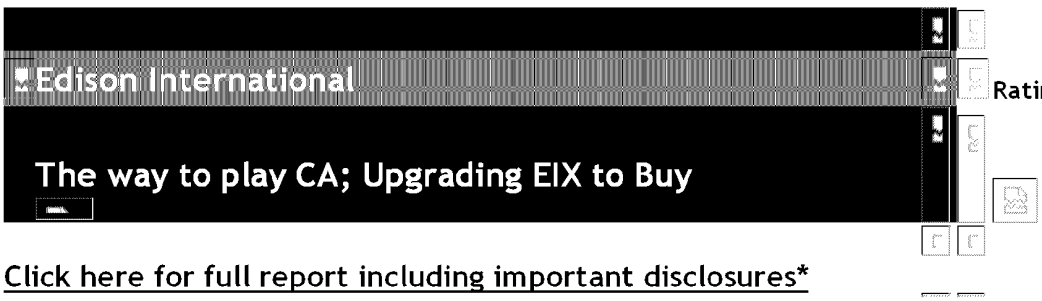
Bank of America
Merrill Lynch

From:	Khumawala, Naaz - RSCH AMRS
To:	mark.ferron@cpuc.ca.gov
Sent:	4/12/2011 6:44:31 AM
Subject:	FW: EIX US: Edison International : The way to play CA; Upgrading EIX to Buy - BUY - United States - 12pp
Attachments:	mlbull.gif; spacer.gif

From: BofAML-Steve Fleishman [mailto:feedback@mlresearch.ml.com]
Sent: Tuesday, April 12, 2011 5:17 AM
To: Khumawala, Naaz - RSCH AMRS
Subject: EIX US: Edison International : The way to play CA; Upgrading EIX to Buy - BUY - United States - 12pp



Click here for full report including important disclosures*
(intended for Naaz Khumawala)

Top California pick; Upgrading EIX to Buy

We are upgrading EIX to a Buy based on the following: 1) compelling utility story and valuation; 2) CA regulatory environment and renewables goals should drive above average utility growth (7-9%); 3) CA commission remains reasonable; 4) EME priced into stock at these levels. The utility valuation of the stock is trading at a 14% discount to the regulated group and a 5% discount to PCG. This valuation gap is too high in our view. Upgrade to Buy and raising PO to $43.

CA regulatory still LT attractive

Our visit with the CPUC reaffirmed our belief that the CA regulatory environment is still attractive LT. An ambitious renewables standard and increased focus on safety will drive rate base growth. All of the commissioners acknowledged that CA will need healthy utilities. While the pending rate case and CA ROE concerns are an overhang, we have previously adjusted our estimates for a 50bps ROE cut in 2013 and we feel good about EIX's rate case position after our CPUC meetings.

Concerns on EME known; risk/reward attractive

We see zero equity value at EME. EME's debt is all non-recourse to EIX, so there should be no negative value from EME. Potential positive value could come from option value on a recovery or a tax shield. EME's negative earnings cause EIX's consolidated earnings to be largely flat over the next few years. However, we prefer the current EME overhang on EIX over the San Bruno overhang on PCG.

Raising price objective to $43 from $40

We value SCE at $43, based on 12.5x (from 11.75x) 2013E SCE earnings net of parent drag ($3.44/sh), in-line with the industry average. We assign a $0/share value to EME. Downside risks: CA regulatory risk, EME restructuring overhang.

To reply to Steve Fleishman directly, click here or call +1 646 855 2906

* Read the research report, available through the link above, for complete information including important disclosures and analyst certification(s). The research report and the link to such report are for the use of Bank of America Merrill Lynch customers only or Merrill Lynch Global Wealth Management

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Publication: 715023-11038319.pdf
Recipient: Naaz Khurnawala
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Bank of America
Merrill Lynch

From: Fleishman, Steven I - RSCH AMRS
To: tas@cpuc.ca.gov
Sent: 5/11/2011 8:40:19 AM
Subject: Hi and meeting in NY

Commissioner Simon,

Hope you are well. Enjoyed seeing you last month.
When we met, I recall you mentioning that you would be in NY for a conference in mid-May. I wanted to circle back to see if you would have any free time while in NY to meet.
Thanks in advance.

Steve Fleishman

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From: Fleishman, Steven I - RSCH AMRS
To: Simon, Timothy A.
CC: Escobar, Cristhian; Fernandez, Cristine; Khumawala, Naaz - RSCH AMRS
Sent: 5/13/2011 3:52:02 AM
Subject: RE: Hi and meeting in NY

Thanks - that would be great

I am around on the 17th, but not the 18th.

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, May 13, 2011 1:54 AM
Tc: Fleishman, Steven I - RSCH AMRS
Cc: Escobar, Cristhian; Fernandez, Cristine
Subject: Re: Hi and meeting in NY

Steve, I am in LA searching my blackberry and found this note! Wow. I leave Monday for NY participating the Robert Gee Strategies conference 5/17 and 18. I do not know if BofA participates. We will check the schedule for gaps so we can hopefully meet.

Regards,

----- Original Message -----
From: Fleishman, Steven I - RSCH AMRS [mailto:steven.fleishman@baml.com]
Sent: Wednesday, May 11, 2011 08:40 AM
Tc: Simon, Timothy A.
Subject: Hi and meeting in NY

Commissioner Simon,

Hcpe you are well. Enjoyed seeing you last month.
When we met, I recall you mentioning that you would be in NY for a conference in mid-May. I wanted to circle back to see if you would have any free time while in NY to meet.
Thanks in advance.

Steve Fleishman

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From:	Khumawala, Naaz - RSCH AMRS
To:	BNK@cpuc.ca.gov
Sent:	9/26/2011 5:17:10 PM
Subject:	Meeting request for Commissioner Ferron
Attachments:	COMMISSIONER MARK FERRON MEETING REQUEST.doc

Attached, please find a meeting request for Commissioner Ferron. Please let me know if there is anything else you need. Thank you.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 9/26/2011
Docket or proceeding # (if applicable) N/A
Reason for the meeting: discuss energy and renewable regulatory policy, meet Commissioner Ferron
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (Number of attendees, name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 11/16/2011 preferably
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

Email meeting request to Juliane Banks (BNK@cpuc.ca.gov)
Fax: 415-703-1758

From: Khumawala, Naaz - RSCH AMRS
To: jovita.chan@cpuc.ca.gov
CC: dmk@cpuc.ca.gov
Sent: 9/26/2011 5:25:21 PM
Subject: Commissioner Sandoval Meeting Request Form
Attachments: SandovalMeetingRequest.DOC

Attached please find a meeting request form for Commissioner Sandoval. Please let me know if you need anything else. Thanks.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 9/26/2011
Party requesting meeting: Bank of America Merrill Lynch
Docket # and Short Name: N/A
Reason for the meeting: Discuss Commissioner Sandoval's views on California regulation and energy policy
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy ( ) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 11/15/2011-11/16/2011
Contact name, Phone, e-mail: Naaz Khumawala, 713-247-7313, naaz.khumawala@baml.com
---For Internal Use Only --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague (dmk@cpuc.ca.gov)

Revised 2011-09-12

From:	Khumawala, Naaz - RSCH AMRS
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov
Sent:	9/26/2011 5:32:49 PM
Subject:	Meeting Request Commissioner Florio
Attachments:	mtg_request_form_for_Commissioner_Florio.doc

Attached please find a meeting request form for Commissioner Florio. Please let me know if you need anything else.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 9/26/2011
Docket or proceeding # N/A
Reason for the meeting: Discuss Commissioner Florio's views on California regulation and energy policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 11/15/11-11/16/11
Contact name: Naaz Khumawala
Contact phone: 713-247-7313 Email: naaz.khumawala@baml.com

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Joan Dahlgren at joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah at sepideh.khosrowjah@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS
To: rsm@cpuc.ca.gov
CC: prw@cpuc.ca.gov
Sent: 9/26/2011 5:41:05 PM
Subject: Meeting Request Commissioner Simon
Attachments: Simon MeetingRequestForm.doc

Attached please find a meeting request form for Commissioner Simon. Please let me know if you need anything else.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Steven Fleishman, Bank of America Merrill Lynch	**Today's Date: 9/26/2011**
2. Reason for meeting (subject, topic, issues): **Discuss energy policy and California regulation**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): November 15-16, 2011	X In Person ☐ By phone
Proposed staff: X Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh ☐Bishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	
5. Industry: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes X No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting** **2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): N/A Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steve Fleishman		**Bank of America Merrill Lynch**	**Analyst**
Naaz Khumawala		**Bank of America Merrill Lynch**	**Analyst**

9. **List your contact information:**

Contact name: Naaz Khumawala		E-mail: naaz.khumawala@baml.com
Office phone: 713-247-7313	Cell:	Fax No.:

Office use only:

TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

From:	Khumawala, Naaz - RSCH AMRS
To:	Gonzalez, Nuria
Sent:	9/26/2011 5:45:02 PM
Subject:	President Peevey meeting request
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Attached please find a meeting request form for President Peevey. Please let me know if you need anything else.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 9/26/2011
Docket or proceeding # N/A
Reason for the meeting: Discussing CA regulatory system and environmental policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* N/A
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees **2** **Steve Fleishman, Analyst, Bank of America Merrill Lynch** **Naaz Khumawala, Analyst, Bank of America Merrill Lynch**
Proposed date/time of meeting: 11/15/11-11/16/11; flexible on date
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 9/26/2011

From: Khumawala, Naaz - RSCH AMRS
To: Dahlgren, Joan
Sent: 9/28/2011 9:54:33 AM
Subject: RE: Your Meeting Request

Thank you, is Commissioner Florio available on November 17?

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, September 28, 2011 12:49 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Your Meeting Request

Thank you for your recent meeting request. Unfortunately, Commissioner Florio is unavailable for the times you suggested.

Please let me know if your schedule permits flexibility. November 14 is a possibility as are November 1, 4 and 8.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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From:	Khumawala, Naaz - RSCH AMRS
To:	Gonzalez, Nuria
Sent:	10/3/2011 11:10:12 AM
Subject:	President Peevey Meeting request 10/19-10/21/2011
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Attached, please find a meeting request form for President Peevey. Please let me know if you need anything else.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 10/3/2011
Docket or proceeding # N/A
Reason for the meeting: Discussing CA regulatory system and environmental policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* N/A
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees **2** **Steve Fleishman, Analyst, Bank of America Merrill Lynch** **Naaz Khumawala, Analyst, Bank of America Merrill Lynch**
Proposed date/time of meeting: 10/19/11-10/21/11
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 10/3/2011

From: Khumawala, Naaz - RSCH AMRS
To: Dahlgren, Joan
Sent: 10/5/2011 3:45:42 PM
Subject: RE: Your Meeting Request dated September 26, 2011

Joan--what day can we meet Commissioner Florio?

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 5:44 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Your Meeting Request dated September 26, 2011

Naaz,

I can offer you a time slot of 3-3:30 to meet with the Commissioner and his advisors. Please let me know as soon as possible if this will work for you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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From: Khumawala, Naaz - RSCH AMRS
To: Dahlgren, Joan
Sent: 10/5/2011 4:35:39 PM
Subject: RE: Your Meeting Request dated September 26, 2011

We will take the meeting, thanks.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 5:47 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Your Meeting Request dated September 26, 2011

October 19.

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, October 05, 2011 3:46 PM
To: Dahlgren, Joan
Subject: RE: Your Meeting Request dated September 26, 2011

Joan--what day can we meet Commissioner Florio?

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 5:44 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Your Meeting Request dated September 26, 2011

Naaz,

I can offer you a time slot of 3-3:30 to meet with the Commissioner and his advisors. Please let me know as soon as possible if this will work for you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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From: Khumawala, Naaz - RSCH AMRS
To: Dahlgren, Joan
Sent: 10/10/2011 9:56:37 AM
Subject: Meeting request change to conference call -- Steve Fleishman, Bank of America

Hi,

Can we please change the meeting request for October 19 on 3pm PST to a conference call? We are happy to send in a dial in or you can call us at 713-247-7313.

Thanks,
Naaz

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Dahlgren, Joan
Sent: 10/13/2011 2:18:37 PM
Subject: RE: Re: Changing Scheduled meeting for October 19 to a conference call

Dial-in numbers: 866.637.2663
Participant passcode: 8552906 then #

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, October 13, 2011 4:03 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: FW: Re: Changing Scheduled meeting for October 19 to a conference call

Please send us a dial-in conference number prior to the 19th so that I can pass this along to our attendees. Thank you.

Sincerely,
Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Thursday, October 13, 2011 10:31 AM
To: 'naaz.khumawala@bml.com'
Cc: Florio, Michel Peter; Khosrowjah, Sepideh
Subject: Re: Changing Scheduled meeting for October 19 to a conference call

Good morning, Naaz,

I have changed your 3:00 meeting to a conference call, and will check with the Commissioner if he prefers a dial-in or to call in.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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From: Khumawala, Naaz - RSCH AMRS
To: Banks, Juliane
Sent: 10/17/2011 9:46:03 AM
Subject: RE: Meeting request for Commissioner Ferron

Thanks, I think we will try to reschedule for a better time when the Commissioner will be available.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Friday, October 14, 2011 5:19 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Banks, Juliane
Subject: RE: Meeting request for Commissioner Ferron

Hi Naaz,

Unfortunately, Comr. Ferron is not available at this time to meet with your office. Are you willing to meet with his advisors? Please let me know.

Thanks,
Juliane

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, September 26, 2011 5:17 PM
To: Banks, Juliane
Subject: Meeting request for Commissioner Ferron

Attached, please find a meeting request for Commissioner Ferron. Please let me know if there is anything else you need. Thank you.

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: 'scott.murtishaw@cpuc.ca.gov'; 'damon.franz@cpuc.ca.gov'
Sent: 11/16/2011 3:41:36 PM
Subject: Updated: Discuss CA Regulatory System and Environmental Policy

Scott/Damon,

Wanted to re-confirm our meeting for tomorrow. We will have about 15 attendees. Thanks!

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From:	Khumawala, Naaz - RSCH AMRS
To:	BNK@cpuc.ca.gov
Sent:	12/6/2011 1:55:32 PM
Subject:	Conference call request Commissioner Ferron
Attachments:	COMMISSIONER MARK FERRON MEETING REQUEST.doc

Please let me know if you need anything else. Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 12/6/2011
Docket or proceeding # (if applicable) N/A
Reason for the meeting: discuss energy and renewable regulatory policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (Number of attendees, name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: flexible, we would like to set up a conference call
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

Email meeting request to Juliane Banks (BNK@cpuc.ca.gov)
Fax: 415-703-1758

From: Fleishman, Steven I - RSCH AMRS
To: Simon, Timothy A.
CC: Katague, Ditas; Khumawala, Naaz - RSCH AMRS
Sent: 1/4/2012 5:05:44 AM
Subject: RE: Commissioner Catherine Sandoval

Thanks - I would be very interested in seeing Commissioner Sandoval. We saw her in San Francisco last Spring - it has been awhile.
Ditas - please let me know the potential dates as soon as practical.

Thanks

Steve

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Tuesday, January 03, 2012 11:14 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Katague, Ditas
Subject: Commissioner Catherine Sandoval

Steve, Commissioner Sandoval is making plans to visit New York. I have copied Ditas Katague her Chief of Staff. I highly recommend a meeting. Happy New Years!
Commissioner Timothy Alan Simon
California Public Utilities Commission
Chairman, NARUC Commitee on Gas

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From: Khumawala, Naaz - RSCH AMRS
To: Katague, Ditas; Fleishman, Steven I - RSCH AMRS
Sent: 1/6/2012 2:03:51 PM
Subject: RE: Commissioner Catherine Sandoval

Ditas,

We are excited to see you in NYC! We are happy to do lunch on the 10th.

Lunch will be with Steve, me and about 15 investors focused on utilities.

Steve Fleishman is the Senior Electric Utility Analyst and Supersector Head of Americas Energy Equity Research at Bank of America Merrill Lynch.

Please let me know if you need more information. Thanks!

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Thursday, January 05, 2012 2:03 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Steve,
I'm trying to work an itinerary to come to NYC either before or after NARUC DC (feb 5-9). So our possibilities are arriving late on 2/2 and having all day 2/3 for meetings/reception /dinner. Or coming up on Thursday 2/9 right after the Electricity Forum that evening and all day on Friday 2/10.
I'm thinking 2/9-10 would be easier.

Thanks in advance for your help.

Ditas

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval California Public Utilities Commissioner 770 L Street, Suite 1250 Sacramento, CA 95814
(916) 322-8858
dmk@cpuc.ca.gov

-----Original Message-----
From: Fleishman, Steven I - RSCH AMRS [mailto:steven.fleishman@baml.com]

Sent: Wednesday, January 04, 2012 5:06 AM
To: Simon, Timothy A.
Cc: Katague, Ditas; Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Thanks - I would be very interested in seeing Commissioner Sandoval. We saw her in San Francisco last Spring - it has been awhile.
Ditas - please let me know the potential dates as soon as practical.

Thanks

Steve

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Tuesday, January 03, 2012 11:14 PM
To: Fleishman, Steven I - RSCH AMRS

Cc: Katague, Ditas
Subject: Commissioner Catherine Sandoval

Steve, Commissioner Sandoval is making plans to visit New York. I have copied Ditas Katague her Chief of Staff. I highly recommend a meeting.
Happy New Years!
Commissioner Timothy Alan Simon
California Public Utilities Commission
Chairman, NARUC Commitee on Gas

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From: Khumawala, Naaz - RSCH AMRS
To: Katague, Ditas; Fleishman, Steven I - RSCH AMRS
Sent: 1/6/2012 2:11:59 PM
Subject: RE: Commissioner Catherine Sandoval

I also left a message for Charlotte Terkeurst to see if Commissioner Ferron could join us as well. Do you mind mentioning it to her if you see her? We would love to meet with as many people as we can.

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Friday, January 06, 2012 4:09 PM
To: Khumawala, Naaz - RSCH AMRS; Fleishman, Steven I - RSCH AMRS
Subject: Re: Commissioner Catherine Sandoval

Yes, thanks so much we are looking forward to it.

----- Original Message -----
From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Friday, January 06, 2012 02:03 PM
To: Katague, Ditas; Fleishman, Steven I - RSCH AMRS <steven.fleishman@baml.com>
Subject: RE: Commissioner Catherine Sandoval

Ditas,

We are excited to see you in NYC! We are happy to do lunch on the 10th.

Lunch will be with Steve, me and about 15 investors focused on utilities.

Steve Fleishman is the Senior Electric Utility Analyst and Supersector Head of Americas Energy Equity Research at Bank of America Merrill Lynch.

Please let me know if you need more information. Thanks!

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Thursday, January 05, 2012 2:03 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Steve,
I'm trying to work an itinerary to come to NYC either before or after NARUC DC (feb 5-9). So our possibilities are arriving late on 2/2 and having all day 2/3 for meetings/reception /dinner. Or coming up on Thursday 2/9 right after the Electricity Forum that evening and all day on Friday 2/10.
I'm thinking 2/9-10 would be easier.

Thanks in advance for your help.

Ditas

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval California Public Utilities Commissioner 770 L Street, Suite 1250 Sacramento, CA 95814
(916) 322-8858
dmk@cpuc.ca.gov

-----Original Message-----
From: Fleishman, Steven I - RSCH AMRS [mailto:steven.fleishman@baml.com]

Sent: Wednesday, January 04, 2012 5:06 AM

To: Simon, Timothy A.
Cc: Katague, Ditas; Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Thanks - I would be very interested in seeing Commissioner Sandoval. We saw her in San Francisco last Spring - it has been awhile.
Ditas - please let me know the potential dates as soon as practical.

Thanks

Steve

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Tuesday, January 03, 2012 11:14 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Katague, Ditas
Subject: Commissioner Catherine Sandoval

Steve, Commissioner Sandoval is making plans to visit New York. I have copied Ditas Katague her Chief of Staff. I highly recommend a meeting.
Happy New Years!
Commissioner Timothy Alan Simon
California Public Utilities Commission
Chairman, NARUC Commitee on Gas

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http://www.bankofamerica.com/emaildisclaimer. By messaging with Sender you consent to the foregoing.

From:	Khumawala, Naaz - RSCH AMRS
To:	charlotte.terkeurst@cpuc.ca.gov
CC:	bnk@cpuc.ca.gov
Sent:	1/11/2012 4:50:40 PM
Subject:	Meeting Request Commissioner Ferron
Attachments:	COMMISSIONER MARK FERRON MEETING REQUEST.doc

Charlotte,

Thanks very much for the help today. As discussed, we would like to meet with Commissioner Ferron on February 2, if he is available.

Attached please find our request. Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 1/11/2012
Docket or proceeding # (if applicable) N/A
Reason for the meeting: discuss energy and renewable regulatory policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (Number of attendees, name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: Thursday, February 2, 2012
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

Email meeting request to Juliane Banks (BNK@cpuc.ca.gov)
Fax: 415-703-1758

From:	Khumawala, Naaz - RSCH AMRS
To:	cft@cpuc.ca.gov
Sent:	1/11/2012 4:52:10 PM
Subject:	Meeting Request Commissioner Ferron
Attachments:	COMMISSIONER MARK FERRON MEETING REQUEST.doc

Charlotte,

Thanks very much for the help today. As discussed, we would like to meet with Commissioner Ferron on February 2, if he is available.

Attached please find our request. Thanks!

a Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 1/11/2012
Docket or proceeding # (if applicable) N/A
Reason for the meeting: discuss energy and renewable regulatory policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (Number of attendees, name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: Thursday, February 2, 2012
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

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Email meeting request to Juliane Banks (BNK@cpuc.ca.gov)
Fax: 415-703-1758

From: Khumawala, Naaz - RSCH AMRS
To: bbc@cpuc.ca.gov; scott.mosbaugh@cpuc.ca.gov
Sent: 1/11/2012 4:58:51 PM
Subject: Meeting request for Commissioner Simon. 2/2/2012
Attachments: Simon MeetingRequestForm.doc

Bishu/Scott,

Hope all is well. Attached please find a meeting request form for Commissioner Simon.

Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Steven Fleishman, Bank of America Merrill Lynch	**Today's Date: 1/11/2012**
2. Reason for meeting (subject, topic, issues): **Discuss energy policy and California regulation**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): February 2, 2012	X In Person ☐ By phone
Proposed staff: X Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh XBishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request X Assign an advisor	
5. Industry: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes X No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting** **2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): N/A Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steve Fleishman		**Bank of America Merrill Lynch**	**Analyst**
Naaz Khumawala		**Bank of America Merrill Lynch**	**Analyst**

9. **List your contact information:**

Contact name: Naaz Khumawala		E-mail: naaz.khumawala@baml.com
Office phone: 713-247-7313	Cell:	Fax No.:

Office use only:

TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

From:	Khumawala, Naaz - RSCH AMRS
To:	sepideh.khosrowjah@cpuc.ca.gov
CC:	joan.dahlgren@cpuc.ca.gov
Sent:	1/11/2012 5:21:06 PM
Subject:	Meeting request Commissioner Florio; 2/2/2012
Attachments:	mtg_request_form_for_Commissioner_Florio.doc

Hi,

I was given your contact information from Ditas Katague, Chief of Staff to Commissioner Sandoval. We are utility analysts at Bank of America Merrill Lynch. We are trying to arrange meetings with all the Commissioners, and wanted to see if Commissioner Florio is available on Thursday, February 2, 2012.

We have spoken to the Commissioner in the past and have found him extremely helpful and very personable. I've also attached a meeting request form as well.

Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Bank of America Merrill Lynch
Today's date: 1/11/2012
Docket or proceeding # N/A
Reason for the meeting: Discuss Commissioner Florio's views on California regulation and energy policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Steve Fleishman, Analyst, Bank of America Merrill Lynch Naaz Khumawala, Analyst, Bank of America Merrill Lynch
Proposed date/time of meeting: 2/2/2012
Contact name: Naaz Khumawala
Contact phone: 713-247-7313 Email: naaz.khumawala@baml.com

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Joan Dahlgren at joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah at sepideh.khosrowjah@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS
To: 'Katague, Ditas'
Sent: 1/11/2012 5:23:22 PM
Subject: Meeting request 2/2/2012

Ditas,

Hope you had a good weekend. I believe I had mentioned that we were planning on taking a trip out to California to meet the Commissioners.

Would Commissioner Sandoval have some time on Thursday, February 2, 2012 to meet with us?

Thanks!
Naaz

-----Original Message-----
From: Khumawala, Naaz - RSCH AMRS
Sent: Friday, January 06, 2012 4:04 PM
To: Katague, Ditas; Fleishman, Steven I - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Ditas,

We are excited to see you in NYC! We are happy to do lunch on the 10th.

Lunch will be with Steve, me and about 15 investors focused on utilities.

Steve Fleishman is the Senior Electric Utility Analyst and Supersector Head of Americas Energy Equity Research at Bank of America Merrill Lynch.

Please let me know if you need more information. Thanks!

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Thursday, January 05, 2012 2:03 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Steve,
I'm trying to work an itinerary to come to NYC either before or after NARUC DC (feb 5-9). So our possibilities are arriving late on 2/2 and having all day 2/3 for meetings/reception /dinner. Or coming up on Thursday 2/9 right after the Electricity Forum that evening and all day on Friday 2/10.
I'm thinking 2/9-10 would be easier.

Thanks in advance for your help.

Ditas

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval California Public Utilities Commissioner 770 L Street, Suite 1250 Sacramento, CA 95814
(916) 322-8858
dmk@cpuc.ca.gov

-----Original Message-----
From: Fleishman, Steven I - RSCH AMRS [mailto:steven.fleishman@baml.com]

Sent: Wednesday, January 04, 2012 5:06 AM
To: Simon, Timothy A.
Cc: Katague, Ditas; Khumawala, Naaz - RSCH AMRS

Subject: RE: Commissioner Catherine Sandoval

Thanks - I would be very interested in seeing Commissioner Sandoval. We saw her in San Francisco last Spring - it has been awhile.
Ditas - please let me know the potential dates as soon as practical.

Thanks

Steve

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Tuesday, January 03, 2012 11:14 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Katague, Ditas
Subject: Commissioner Catherine Sandoval

Steve, Commissioner Sandoval is making plans to visit New York. I have copied Ditas Katague her Chief of Staff. I highly recommend a meeting.
Happy New Years!
Commissioner Timothy Alan Simon
California Public Utilities Commission
Chairman, NARUC Commitee on Gas

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From:	Khumawala, Naaz - RSCH AMRS
To:	cab@cpuc.ca.gov
CC:	nur@cpuc.ca.gov
Sent:	1/11/2012 5:29:35 PM
Subject:	Meeting request Commissioner Peevey 2/2/2012
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Carol,

I hope you are doing well--we met you about a year ago when we came to San Francisco to meet the Commissioners. We wanted to do another trip out West; wanted to see if President Peevey and you had some time to meet with us on February 1 or 2, 2012.

I've attached a meeting request form as well.

Many thanks,
Naaz

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 1/11/2012
Docket or proceeding # N/A
Reason for the meeting: Discussing CA regulatory system and environmental policy
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* N/A
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees **2** **Steve Fleishman, Analyst, Bank of America Merrill Lynch** **Naaz Khumawala, Analyst, Bank of America Merrill Lynch**
Proposed date/time of meeting: 2/1/2012-2/2/2012
Contact name: Naaz Khumawala
Contact phone: 713-247-7313

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 1/11/2012

From:	Khumawala, Naaz - RSCH AMRS
To:	Brown, Carol A.
CC:	Gonzalez, Nuria; Goldthrite, Cody
Sent:	1/11/2012 7:01:14 PM
Subject:	RE: Meeting request Commissioner Peevey 2/2/2012

Many thanks. Will be in touch on scheduling.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, January 11, 2012 8:07 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Gonzalez, Nuria; Goldthrite, Cody
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Nuria will check with President Peevey. There is a commission meeting on 2/1 and I am available in the afternoon or on 2/2. Please contact Cody and he will schedule a meeting - unless President Peevey can meet with you, in which case I will join that meeting.
cde@cpuc.ca.gov
415-703-2722

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, January 11, 2012 5:30 PM
To: Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: Meeting request Commissioner Peevey 2/2/2012

Carol,

I hope you are doing well--we met you about a year ago when we came to San Francisco to meet the Commissioners. We wanted to do another trip out West; wanted to see if President Peevey and you had some time to meet with us on February 1 or 2, 2012.

I've attached a meeting request form as well.

Many thanks,
Naaz

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From:
To: Khumawala, Naaz - RSCH AMRS; Brown, Carol A.
CC: Gonzalez, Nuria
Sent: 1/12/2012 5:36:18 AM
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Many thanks. Will be in touch on scheduling.

_____
From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, January 11, 2012 8:07 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Gonzalez, Nuria; Goldthrite, Cody
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Nuria will check with President Peevey. There is a commission meeting on 2/1 and I am available in the afternoon or on 2/2.
Please contact Cody and he will schedule a meeting - unless President Peevey can meet with you, in which case I will join that meeting.
cde@cpuc.ca.gov<mailto:cde@cpuc.ca.gov>
415-703-2722

_____
From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, January 11, 2012 5:30 PM
To: Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: Meeting request Commissioner Peevey 2/2/2012

Carol,

I hope you are doing well--we met you about a year ago when we came to San Francisco to meet the Commissioners. We wanted to do another trip out West; wanted to see if President Peevey and you had some time to meet with us on February 1 or 2, 2012.

I've attached a meeting request form as well.

Many thanks,
Naaz

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

_____
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From:	Khumawala, Naaz - RSCH AMRS
To:	Goldthrite, Cody; Brown, Carol A.
CC:	Gonzalez, Nuria
Sent:	1/12/2012 9:09:05 AM
Subject:	RE: Meeting request Commissioner Peevey 2/2/2012

Sure, we are interested primarily in the following:

San Bruno and its impacts. How is the commission approaching the OIR and OII issues
Cost of capital in California
Renewable policy--impact on rates, how achievable is it
Tehachapi line for Edison--are other alternatives feasible
Consideration of safety in rate making process
Smart meters and the backlash
thoughts on new management team and culture at PG&E

We have tried several times to meet with President Peevey and have been unsuccessful--even if he had a few minutes, we would really appreciate it; though of course we understand how busy his schedule is.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Thursday, January 12, 2012 11:03 AM
To: Khumawala, Naaz - RSCH AMRS; Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Naaz,

President Peevey requests that you meet with staff and staff has some questions due to the vague generality of the reason for the meeting.

I was wondering if you could please provide me with some specifics or maybe a ruff outline of some questions that you may for Commission staff.

Thanks,

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, January 11, 2012 7:01 PM
To: Brown, Carol A.
Cc: Gonzalez, Nuria; Goldthrite, Cody
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Many thanks. Will be in touch on scheduling.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, January 11, 2012 8:07 PM
To: Khumawala, Naaz - RSCH AMRS

Cc: Gonzalez, Nuria; Goldthrite, Cody
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Nuria will check with President Peevey. There is a commission meeting on 2/1 and I am available in the afternoon or on 2/2. Please contact Cody and he will schedule a meeting - unless President Peevey can meet with you, in which case I will join that meeting.
cde@cpuc.ca.gov
415-703-2722

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, January 11, 2012 5:30 PM
To: Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: Meeting request Commissioner Peevey 2/2/2012

Carol,

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I've attached a meeting request form as well.

Many thanks,
Naaz

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http://www.bankofamerica.com/emaildisclaimer. By messaging with Sender you consent to the foregoing.

From:	Khumawala, Naaz - RSCH AMRS
To:	Goldthrite, Cody
CC:	Gonzalez, Nuria; Murtishaw, Scott; Brown, Carol A.
Sent:	1/12/2012 9:14:48 AM
Subject:	RE: Meeting request Commissioner Peevey 2/2/2012

Yes please. Can we schedule a meeting with Carol?

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Thursday, January 12, 2012 11:13 AM
To: Khumawala, Naaz - RSCH AMRS
Cc: Gonzalez, Nuria; Murtishaw, Scott; Brown, Carol A.
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

I was just told to schedule the meeting with staff. I could request to have various individuals throughout the Commission but President Peevey's calendar is out of my hands.

Would you like me to schedule the meeting?

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Thursday, January 12, 2012 9:09 AM
To: Goldthrite, Cody; Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Sure, we are interested primarily in the following:

San Bruno and its impacts. How is the commission approaching the OIR and OII issues
Cost of capital in California
Renewable policy--impact on rates, how achievable is it
Tehachapi line for Edison--are other alternatives feasible
Consideration of safety in rate making process
Smart meters and the backlash
thoughts on new management team and culture at PG&E

We have tried several times to meet with President Peevey and have been unsuccessful--even if he had a few minutes, we would really appreciate it; though of course we understand how busy his schedule is.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Thursday, January 12, 2012 11:03 AM
To: Khumawala, Naaz - RSCH AMRS; Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Naaz,

President Peevey requests that you meet with staff and staff has some questions due to the vague generality of the reason for the meeting.

I was wondering if you could please provide me with some specifics or maybe a ruff outline of some questions that you may for Commission staff.

Thanks,

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, January 11, 2012 7:01 PM
To: Brown, Carol A.
Cc: Gonzalez, Nuria; Goldthrite, Cody
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Many thanks. Will be in touch on scheduling.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, January 11, 2012 8:07 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Gonzalez, Nuria; Goldthrite, Cody
Subject: RE: Meeting request Commissioner Peevey 2/2/2012

Nuria will check with President Peevey. There is a commission meeting on 2/1 and I am available in the afternoon or on 2/2. Please contact Cody and he will schedule a meeting - unless President Peevey can meet with you, in which case I will join that meeting.
cde@cpuc.ca.gov
415-703-2722

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, January 11, 2012 5:30 PM
To: Brown, Carol A.
Cc: Gonzalez, Nuria
Subject: Meeting request Commissioner Peevey 2/2/2012

Carol,

I hope you are doing well--we met you about a year ago when we came to San Francisco to meet the Commissioners. We wanted to do another trip out West; wanted to see if President Peevey and you had some time to meet with us on February 1 or 2, 2012.

I've attached a meeting request form as well.

Many thanks,
Naaz

Naaz Khumawala
Utilities & Power

Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Brown, Carol A.
Sent: 1/12/2012 9:30:05 AM
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 1/12/2012 9:30:18 AM
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Central Standard Time

Start Date/Time
16010101**T**020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Bank of America Merrill Lynch w/ Carol Brown and Presiden t Peevey Staff
Room 5305
20120202T160000
CONFIRMED

DTSTAMP
20120112T173005Z

Start Date/Time
20120202T160000

Summary
Accepted: Bank of America Merrill Lynch w/ Carol Brown and Presiden t Peevey Staff

UID
040000008200E00074C5B7101A82E00800000000005046BF9E0CD1CC01000000000000000
0100000003AC60B3839EB344898C7605542AC1674

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T170000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120112T173018Z

Last Modified
20120112**T**173018Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101**T**000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-349431844

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120112T173005Z

From: Fleishman, Steven I - RSCH AMRS
To: 'Brown, Carol A.'
Sent: 1/12/2012 10:48:28 AM
Subject: Accepted: FW: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 1/12/2012 10:48:43 AM
Subject: Accepted: FW: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Eastern Standard Time

Start Date/Time
16010101T020000

TZOFFSETFROM
-0400

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0400

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: FW: Bank of America Merrill Lynch w/ Carol Brown and Pres ident Peevey Staff
Room 5305
20120202T170000
CONFIRMED

DTSTAMP
20120112T184828Z

Start Date/Time
20120202T170000

Summary
Accepted: FW: Bank of America Merrill Lynch w/ Carol Brown and Pres ident Peevey Staff

UID
040000008200E00074C5B7101A82E008000000005046BF9E0CD1CC01000000000000000
0100000003AC60B3839EB344898C7605542AC1674

Attendee **MAILTO:steven.fleishman@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T180000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120112T184843Z

Last Modified
20120112T184843Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-349431844

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120112T184828Z

From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 1/12/2012 5:14:58 PM
Subject: Accepted: CA Reg Env policy--BofA/ Merrill Lynch
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 1/12/2012 5:15:06 PM
Subject: Accepted: CA Reg Env policy--BofA/ Merrill Lynch
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Central Standard Time

Start Date/Time
16010101**T**020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: CA Reg Env policy--BofA/ Merrill Lynch
Rm 5305
20120202T123000
CONFIRMED

DTSTAMP
20120113T011458Z

Start Date/Time
20120202T123000

Summary
Accepted: CA Reg Env policy--BofA/ Merrill Lynch

UID
040000008200E00074C5B7101A82E00800000000B082B2964DD1CC01000000000000000
0100000003EA9B40E2558A4468D042FDB73665252

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Rm 5305

End Date/Time
20120202T130000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120113T011506Z

Last Modified
20120113T011506Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
625743836

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120113T011458Z

From: Fleishman, Steven I - RSCH AMRS
To: 'Clanon, Paul'
Sent: 1/12/2012 5:50:29 PM
Subject: Accepted: FW: CA Reg Env policy--BofA/ Merrill Lynch
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 1/12/2012 5:50:38 PM
Subject: Accepted: FW: CA Reg Env policy--BofA/ Merrill Lynch
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: FW: CA Reg Env policy--BofA/ Merrill Lynch
Rm 5305
20120202T103000
CONFIRMED

DTSTAMP
20120113T015029Z

Start Date/Time
20120202T103000

Summary
Accepted: FW: CA Reg Env policy--BofA/ Merrill Lynch

UID
040000008200E00074C5B7101A82E00800000000B082B2964DD1CC01000000000000000
0100000003EA9B40E2558A4468D042FDB73665252

Attendee MAILTO:steven.fleishman@baml.com
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Rm 5305

End Date/Time
20120202T110000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120113T015038Z

Last Modified
20120113T015038Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
625743836

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120113T015029Z

From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 1/12/2012 7:24:57 PM
Subject: RE: Accepted: CA Reg Env policy--BofA/ Merrill Lynch

Steve Fleishman, Bank of America Merrill Lynch
Naaz Khumawala, Bank of America Merrill Lynch

Will send you the others in a week. Need to finalize attendees.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, January 12, 2012 7:20 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Accepted: CA Reg Env policy--BofA/ Merrill Lynch

PLEASE SEND ATTENDEE LIST.
Thank you

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Thursday, January 12, 2012 5:15 PM
To: Mendiola, Carolina; Madrigal, Anna-Marie
Subject: Accepted: CA Reg Env policy--BofA/ Merrill Lynch
When: Thursday, February 02, 2012 10:30 AM-11:00 AM (GMT-08:00) Pacific Time (US & Canada).
Where: Rm 5305

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From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 1/12/2012 7:26:23 PM
Subject: RE: Accepted: CA Reg Env policy--BofA/ Merrill Lynch

Anna-Marie--sorry to bug you, but is there any way we can extend the meeting time to 45 minutes - 1 hour? I know Paul has a tight schedule, but its so helpful to talk to him that I know we will want to go longer than 30 minutes. I don't want to eat into another appointment time by running over. Thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, January 12, 2012 7:20 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Accepted: CA Reg Env policy--BofA/ Merrill Lynch

PLEASE SEND ATTENDEE LIST.
Thank you

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Thursday, January 12, 2012 5:15 PM
To: Mendiola, Carolina; Madrigal, Anna-Marie
Subject: Accepted: CA Reg Env policy--BofA/ Merrill Lynch
When: Thursday, February 02, 2012 10:30 AM-11:00 AM (GMT-08:00) Pacific Time (US & Canada).
Where: Rm 5305

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From: Khumawala, Naaz - RSCH AMRS
To: Ferron, Mark J.
Sent: 1/13/2012 10:51:29 AM
Subject: Accepted: BofA-Discuss Energy and Renewable Regulatory Policy
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Ferron, Mark J.
Sent: 1/13/2012 10:52:06 AM
Subject: Accepted: BofA-Discuss Energy and Renewable Regulatory Policy
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Banks, Juliane
Sent: 1/13/2012 10:52:21 AM
Subject: Accepted: BofA-Discuss Energy and Renewable Regulatory Policy
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Central Standard Time

Start Date/Time
16010101**T**020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: BofA-Discuss Energy and Renewable Regulatory Policy
Room 5305
20120202T113000
CONFIRMED

DTSTAMP
20120113T185206Z

Start Date/Time
20120202T113000

Summary
Accepted: BofA-Discuss Energy and Renewable Regulatory Policy

UID
040000008200E00074C5B7101A82E0080000000010C10437C6D1CC01000000000000000
010000000C6230EBA18721641A5C941A53DF7878E

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Ferron, Mark J.")
MAILTO:juliane.banks@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T123000

Sequence Number
1

Priority
5

COMMENT

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Categories

CREATED
20120113T185221Z

Last Modified
20120113T185221Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
1

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120113T185206Z

From: Fleishman, Steven I - RSCH AMRS
To: Ferron, Mark J.
Sent: 1/13/2012 11:04:36 AM
Subject: Accepted: FW: BofA-Discuss Energy and Renewable Regulatory Policy
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Banks, Juliane
Sent: 1/13/2012 11:04:48 AM
Subject: Accepted: FW: BofA-Discuss Energy and Renewable Regulatory Policy
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Eastern Standard Time

Start Date/Time
16010101T020000

TZOFFSETFROM
-0400

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0400

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: FW: BofA-Discuss Energy and Renewable Regulatory Policy
Room 5305
20120202T123000
CONFIRMED

DTSTAMP
20120113T190436Z

Start Date/Time
20120202T123000

Summary
Accepted: FW: BofA-Discuss Energy and Renewable Regulatory Policy

UID
040000008200E00074C5B7101A82E0080000000010C10437C6D1CC01000000000000000
010000000C6230EBA18721641A5C941A53DF7878E

Attendee **MAILTO:steven.fleishman@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Ferron, Mark J.")
MAILTO:juliane.banks@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T133000

Sequence Number
1

Priority
5

COMMENT

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Categories

CREATED
20120113T190448Z

Last Modified
20120113T190448Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
1

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120113T190436Z

From: Dahlgren, Joan
To: Khumawala, Naaz - RSCH AMRS
Sent: 1/17/2012 11:41:29 AM
Subject: Bank_of_America_Merrill_Lynch__Mtg_dated_01_11_12.doc--Meeting Confirmation
Attachments: Bank_of_America_Merrill_Lynch__Mtg_dated_01_11_12.doc

State of California

Memorandum

Date: January 17, 2012

To: Naaz Khumawala

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re: **Meeting Request Dated: January 11, 2012**

This will confirm that your meeting request for the above date has been set for (February 2) (2:00) (Room 5200—Commissioner Florio's Office) with (Commissioner Florio, Matthew Tisdale). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From: Fleishman, Steven I - RSCH AMRS
To: Brown, Carol A.
Sent: 1/17/2012 1:47:13 PM
Subject: Accepted: Updated: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 1/17/2012 1:47:22 PM
Subject: Accepted: Updated: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Eastern Standard Time

Start Date/Time
16010101T020000

TZOFFSETFROM
-0400

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0400

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Updated: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Room 5305
20120202T183000
CONFIRMED

DTSTAMP
20120117T214713Z

Start Date/Time
20120202T183000

Summary
Accepted: Updated: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff

UID
040000008200E00074C5B7101A82E00800000000005046BF9E0CD1CC01000000000000000
0100000003AC60B3839EB344898C7605542AC1674

Attendee **MAILTO:steven.fleishman@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T193000

Sequence Number
1

Priority
5

COMMENT

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Categories

CREATED
20120117T214722Z

Last Modified
20120117T214722Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-349431844

X-MICROSOFT-CDO-APPT-SEQUENCE
1

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120117T214713Z

From: Khumawala, Naaz - RSCH AMRS
To: Brown, Carol A.
Sent: 1/17/2012 1:53:37 PM
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 1/17/2012 1:53:52 PM
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Bank of America Merrill Lynch w/ Carol Brown and Presiden t Peevey Staff
Room 5305
20120202T153000
CONFIRMED

DTSTAMP
20120117T215338Z

Start Date/Time
20120202T153000

Summary
Accepted: Bank of America Merrill Lynch w/ Carol Brown and Presiden t Peevey Staff

UID
040000008200E00074C5B7101A82E008000000005046BF9E0CD1CC01000000000000000
0100000003AC60B3839EB344898C7605542AC1674

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T163000

Sequence Number
1

Priority
5

COMMENT

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Categories

CREATED
20120117T215352Z

Last Modified
20120117T215352Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
TENTATIVE

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-349431844

X-MICROSOFT-CDO-APPT-SEQUENCE
1

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120117T215338Z

From: Khumawala, Naaz - RSCH AMRS
To: Brown, Carol A.
Sent: 1/17/2012 2:41:24 PM
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 1/17/2012 2:41:40 PM
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Central Standard Time

Start Date/Time
16010101**T**020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Bank of America Merrill Lynch w/ Carol Brown and Presiden t Peevey Staff
Room 5305
20120202T173000
CONFIRMED

DTSTAMP
20120117T214345Z

Start Date/Time
20120202T173000

Summary
Accepted: Bank of America Merrill Lynch w/ Carol Brown and Presiden t Peevey Staff

UID
040000008200E00074C5B7101A82E008000000005046BF9E0CD1CC01000000000000000
0100000003AC60B3839EB344898C7605542AC1674

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Brown, Carol A.")
MAILTO:cody.goldthrite@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120202T183000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120117T224140Z

Last Modified
20120117T224140Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-349431844

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120117T214345Z

From: Khumawala, Naaz - RSCH AMRS
To: 'cody.goldthrite@cpuc.ca.gov'
Sent: 1/17/2012 4:11:16 PM
Subject: Re: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff

Helpful, thanks.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Tuesday, January 17, 2012 04:48 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff

Just an FYI, it looks as though you will be in room 5209 for some of the meetings and 5305 for others.

Cody W. Goldthrite

California Public Utilities Commission

Office of President Peevey

505 Van Ness Avenue, San Francisco, CA 94102

(415) 703-2722

(415) 703-5091 (fax)

Email: cde@cpuc.ca.gov

-----Original Appointment-----
From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Tuesday, January 17, 2012 2:42 PM
To: Gonzalez, Nuria; Goldthrite, Cody
Subject: Accepted: Bank of America Merrill Lynch w/ Carol Brown and President Peevey Staff
When: Thursday, February 02, 2012 3:30 PM-4:30 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

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From: Khumawala, Naaz - RSCH AMRS
To: Chan, Jovita
Sent: 1/19/2012 8:49:48 AM
Subject: RE: Meeting with Commissioner Sandoval

Thanks Jovita--Just to confirm, we are in Room 5305?

From: Chan, Jovita [mailto:jovita.chan@cpuc.ca.gov]
Sent: Thursday, January 19, 2012 10:48 AM
To: Khumawala, Naaz - RSCH AMRS
Subject: Meeting with Commissioner Sandoval

Good morning Naaz,

Below is your meeting confirmation:

When: Thursday, February 2, 2012
Time: 1:00-2:00 pm
Where: California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Regards,

Jovita Aguirre Chan
Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Phone: 415-703-2593; email: jac@cpuc.ca.gov

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From: Khumawala, Naaz - RSCH AMRS
To: Dahlgren, Joan
Sent: 1/20/2012 9:18:27 AM
Subject: RE: REVISED_Bank_of_America_Merrill_Lynch__Mtg_dated_01_11_12.doc--REVISED CONFIRMATION

Thanks very much Joan.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Friday, January 20, 2012 11:06 AM
To: Khumawala, Naaz - RSCH AMRS
Subject: REVISED_Bank_of_America_Merrill_Lynch__Mtg_dated_01_11_12.doc--REVISED CONFIRMATION

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From:	Katague, Ditas
To:	Khumawala, Naaz - RSCH AMRS
CC:	Fleishman, Steven I - RSCH AMRS; Jovita Chan; Colette Kersten
Sent:	1/30/2012 1:31:47 PM
Subject:	Re: Commissioner Catherine Sandoval

Naaz,
Could we please have a list of all the participants for the lunch on Friday, Feb 10th prior to? You can bring the list to Thursdays mtg.

Thanks, Ditas

Sent from my iPad

On Jan 6, 2012, at 2:04 PM, "Khumawala, Naaz - RSCH AMRS" <naaz.khumawala@baml.com> wrote:

Ditas,

We are excited to see you in NYC! We are happy to do lunch on the 10th.

Lunch will be with Steve, me and about 15 investors focused on utilities.

Steve Fleishman is the Senior Electric Utility Analyst and Supersector Head of Americas Energy Equity Research at Bank of America Merrill Lynch.

Please let me know if you need more information. Thanks!

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Thursday, January 05, 2012 2:03 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Steve,
I'm trying to work an itinerary to come to NYC either before or after NARUC DC (feb 5-9). So our possibilities are arriving late on 2/2 and having all day 2/3 for meetings/reception/dinner. Or coming up on Thursday 2/9 right after the Electricity Forum that evening and all day on Friday 2/10.
I'm thinking 2/9-10 would be easier.

Thanks in advance for your help.

Ditas

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval California Public Utilities Commissioner 770 L Street, Suite 1250 Sacramento, CA 95814
(916) 322-8858
dmk@cpuc.ca.gov

-----Original Message-----
From: Fleishman, Steven I - RSCH AMRS [mailto:steven.fleishman@baml.com]

Sent: Wednesday, January 04, 2012 5:06 AM
To: Simon, Timothy A.
Cc: Katague, Ditas; Khumawala, Naaz - RSCH AMRS

Subject: RE: Commissioner Catherine Sandoval

Thanks - I would be very interested in seeing Commissioner Sandoval. We saw her in San Francisco last Spring - it has been awhile. Ditas - please let me know the potential dates as soon as practical.

Thanks

Steve

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Tuesday, January 03, 2012 11:14 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Katague, Ditas
Subject: Commissioner Catherine Sandoval

Steve, Commissioner Sandoval is making plans to visit New York. I have copied Ditas Katague her Chief of Staff. I highly recommend a meeting.
Happy New Years!
Commissioner Timothy Alan Simon
California Public Utilities Commission
Chairman, NARUC Commitee on Gas

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From:	Khumawala, Naaz - RSCH AMRS
To:	Katague, Ditas
CC:	Fleishman, Steven I - RSCH AMRS; Jovita Chan; Colette Kersten
Sent:	1/30/2012 1:53:59 PM
Subject:	RE: Commissioner Catherine Sandoval

Yup, we will do. Steve and I are looking forward to seeing you.

From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Monday, January 30, 2012 3:32 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS; Jovita Chan; Colette Kersten
Subject: Re: Commissioner Catherine Sandoval

Naaz,
Could we please have a list of all the participants for the lunch on Friday, Feb 10th prior to? You can bring the list to Thursdays mtg.

Thanks, Ditas

Sent from my iPad

On Jan 6, 2012, at 2:04 PM, "Khumawala, Naaz - RSCH AMRS" <naaz.khumawala@baml.com> wrote:

Ditas,

We are excited to see you in NYC! We are happy to do lunch on the 10th.

Lunch will be with Steve, me and about 15 investors focused on utilities.

Steve Fleishman is the Senior Electric Utility Analyst and Supersector Head of Americas Energy Equity Research at Bank of America Merrill Lynch.

Please let me know if you need more information. Thanks!

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Thursday, January 05, 2012 2:03 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Steve,
I'm trying to work an itinerary to come to NYC either before or after NARUC DC (feb 5-9). So our possibilities are arriving late on 2/2 and having all day 2/3 for meetings/reception/dinner. Or coming up on Thursday 2/9 right after the Electricity Forum that evening and all day on Friday 2/10.
I'm thinking 2/9-10 would be easier.

Thanks in advance for your help.

Ditas

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval California Public Utilities Commissioner 770 L Street, Suite 1250 Sacramento, CA 95814

(916) 322-8858
dmk@cpuc.ca.gov

-----Original Message-----
From: Fleishman, Steven I - RSCH AMRS [mailto:steven.fleishman@baml.com]

Sent: Wednesday, January 04, 2012 5:06 AM
To: Simon, Timothy A.
Cc: Katague, Ditas; Khumawala, Naaz - RSCH AMRS
Subject: RE: Commissioner Catherine Sandoval

Thanks - I would be very interested in seeing Commissioner Sandoval. We saw her in San Francisco last Spring - it has been awhile. Ditas - please let me know the potential dates as soon as practical.

Thanks

Steve

-----Original Message-----
From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Tuesday, January 03, 2012 11:14 PM
To: Fleishman, Steven I - RSCH AMRS
Cc: Katague, Ditas
Subject: Commissioner Catherine Sandoval

Steve, Commissioner Sandoval is making plans to visit New York. I have copied Ditas Katague her Chief of Staff. I highly recommend a meeting.
Happy New Years!
Commissioner Timothy Alan Simon
California Public Utilities Commission
Chairman, NARUC Commitee on Gas

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From: Khumawala, Naaz - RSCH AMRS
To: Katague, Ditas
CC: Fleishman, Steven I - RSCH AMRS; Jovita Chan; Colette Kersten
Sent: 2/1/2012 8:24:57 AM
Subject: FW: Feb 10th lunch

Ditas--attached please see the list of attendees for Friday, Feb. 10th lunch.

Investor/BOFAML Attendees

Attended	Organization	Last Name
Y	CARLSON CAPITAL LP	Huang
Y	CATAPULT CAPITAL PARTNERS LLP (SYID CTPLTPATL 999671439)	D'Angelo
Y	COHEN & STEERS	Medina
Y	COLUMBIA MANAGEMENT INVESTMENT ADVISERS, LLC (SYID AMEXASSET 999733711)	Wade
Y	DECADE CAPITAL PARTNERS, LTD.	Senchak
Y	FIDELITY MANAGEMENT AND RESEARCH CORPORATION	Saint Louis
Y	JP MORGAN ASSET MANAGEMENT LTD	Rich
Y	LEVIN CAPITAL STRATEGIES LP	Heckler
Y	LONGBOW CAPITAL ADVISORS LLC	Selmon
Y	LORD ABBETT & COMPANY	McIsaac
Y	LUMINUS MANAGEMENT LLC	Goldenberg
Y	MACQUARIE INVESTMENT MANAGEMENT LTD (SYID MACQASSET 999769878)	Klein
Y	MILLENNIUM PARTNERS	Shelton
Y	NLI INTERNATIONAL INC. (SYID NLIINTL 999801069)	Shinohara
Y	NORGES BANK	Abramson
Y	POINTSTATE CAPITAL LP	Heyn
Y	SAC CAPITAL ADVISORS LLC	Choi
Y	TALEK INVESTMENTS LLC	Jesse
Y	UBS AG	Kenol
Y	UBS O'CONNOR LLC	Weinstein
Y	UBS-GCS (SYID UBSGCS 999705888)	Bajwa
Y	WELLINGTON MANAGEMENT COMPANY, LLP	Beckwith
Y	WH REAVES & CO INC. (SYID WHREAVES 999960743)	Bartlett
Y	Zimmer Lucas Partners LLC	Yim

Anna Lisa Giustini
Utilities Specialist Sales
Bank of America Merrill Lynch | Merrill, Lynch Pierce, Fenner & Smith Incorporated
Tel 212.449.3446 | Cell 610.529.0865 | Email: anna isa.giustini@baml.com | IM agiustini1

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From: Khumawala, Naaz - RSCH AMRS
To: je3@cpuc.ca.gov
Sent: 2/1/2012 10:36:15 AM
Subject: Attendee list

Steve Fleishman, Bank of America
Naaz Khumawala, Bank of America
Andre Meade, Capital World
Eric Fogarty, Goldman Sachs Asset Management
Phil Sundell, American Century
John Kohli, Franklin
Blair Schmicker, Franklin
Keziah Robinson, Capital Guardian
Matt Sensheimer, Invesco
Dan Dittler, Fidelity
Claud Davis, Massachusetts Financial Service
Larry Alberts, Columbia Asset Management
Tom O'Neill, Green Arrow

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: jbd@cpuc.ca.gov
Sent: 2/1/2012 11:20:15 AM
Subject: FW: Attendee list

Steve Fleishman, Bank of America
Naaz Khumawala, Bank of America
Andre Meade, Capital World
Eric Fogarty, Goldman Sachs Asset Management
Phil Sundell, American Century
John Kohli, Franklin
Blair Schmicker, Franklin
Keziah Robinson, Capital Guardian
Matt Sensheimer, Invesco
Dan Dittler, Fidelity
Claud Davis, Massachusetts Financial Service
Larry Alberts, Columbia Asset Management
Tom O'Neill, Green Arrow

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From: Khumawala, Naaz - RSCH AMRS
To: Katague, Ditas; Jovita Chan; Jacqueline Clay
Sent: 2/1/2012 11:24:38 AM
Subject: RE: Feb 10th lunch

Absolutely--sorry I forgot to include it.

One Bryant Park (corner of West 42nd and 6th St); 51st floor.

In case you need us:

Steve's number: 646-855-2906
Naaz's cell number: 832-630-7984

From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Wednesday, February 01, 2012 1:19 PM
To: Khumawala, Naaz - RSCH AMRS; Jovita Chan; Jacqueline Clay
Subject: Re: Feb 10th lunch

Thanks Naaz. Can you give me the address of the location of the lunch? Just trying to finalize our travel itinerary.

Sent from my iPad

On Feb 1, 2012, at 8:25 AM, "Khumawala, Naaz - RSCH AMRS" <naaz.khumawala@baml.com> wrote:

Ditas--attached please see the list of attendees for Friday, Feb. 10th lunch.

Investor/BOFAML Attendees

Attended	Organization	Last Name
Y	CARLSON CAPITAL LP	Huang
Y	CATAPULT CAPITAL PARTNERS LLP (SYID CTPLTPATL 999671439)	D'Angelo
Y	COHEN & STEERS	Medina
Y	COLUMBIA MANAGEMENT INVESTMENT ADVISERS, LLC (SYID AMEXASSET 999733711)	Wade
Y	DECADE CAPITAL PARTNERS, LTD.	Senchak
Y	FIDELITY MANAGEMENT AND RESEARCH CORPORATION	Saint Louis
Y	JP MORGAN ASSET MANAGEMENT LTD	Rich
Y	LEVIN CAPITAL STRATEGIES LP	Heckler
Y	LONGBOW CAPITAL ADVISORS LLC	Selmon
Y	LORD ABBETT & COMPANY	McIsaac
Y	LUMINUS MANAGEMENT LLC	Goldenberg
Y	MACQUARIE INVESTMENT MANAGEMENT LTD (SYID MACQASSET 999769878)	Klein
Y	MILLENNIUM PARTNERS	Shelton
Y	NLI INTERNATIONAL INC. (SYID NLIINTL 999801069)	Shinohara
Y	NORGES BANK	Abramson
Y	POINTSTATE CAPITAL LP	Heyn
Y	SAC CAPITAL ADVISORS LLC	Choi

Y	TALEK INVESTMENTS LLC	Jesse
Y	UBS AG	Kenol
Y	UBS O'CONNOR LLC	Weinstein
Y	UBS-GCS (SYID UBSGCS 999705888)	Bajwa
Y	WELLINGTON MANAGEMENT COMPANY, LLP	Beckwith
Y	WH REAVES & CO INC. (SYID WHREAVES 999960743)	Bartlett
Y	Zimmer Lucas Partners LLC	Yim

Anna Lisa Giustini
Utilities Specialist Sales
Bank of America Merrill Lynch | Merrill, Lynch Pierce, Fenner & Smith Incorporated
Tel 212.449.3446 | Cell 510.529.0865 | Email: annalisa.giustini@baml.com | IM agiustini1

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From: Fleishman, Steven I - RSCH AMRS
To: mark.ferron@cpuc.ca.gov
Sent: 2/6/2012 2:46:17 PM
Subject: Thank you and interest in a follow up discussion

Commissioner Ferron,

Thank you very much for the time last week with myself, Naaz and our investor clients. We found our day at the PUC to be very fruitful.
As we discussed, I would be very interested in following up by phone or meeting to discuss how we look at the utility industry and specifically California from an investor perspective. Promise it will be just me this time (and potentially Naaz).

Look forward to speaking soon.

Steve Fleishman
646-855-2906

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From: Khumawala, Naaz - RSCH AMRS
To: 'Katague, Ditas'
Sent: 2/6/2012 4:09:04 PM
Subject: Commissioner Sandoval lunch

Ditas,

Hope you're doing well. We enjoyed speaking with Commissioner Sandoval and Colette on Thursday --sad we didn't get a chance to meet.

I wanted to go over some of the topics we planned on discussing with Commissioner Sandoval at Friday's lunch (I've listed them below). We were thinking of having her introduce herself and give some introductory remarks and then we can go into the topics.

Please let me know if you have any questions or would like to discuss further.

Also-- I was going to ask Steve to e-mail Commissioner Sandoval directly as well to go over this--but I will wait until I hear from you.

Thanks!

Her main objectives and areas of focus; regulatory philosophy
San Bruno
Safety focus - how implement
Cost of Capital
Investment Climate
Proposed pipeline spend
Renewable policy -- 33%
Impact to rates/ Balancing shareholder and customer interests
EIX wind storms
Thoughts on how the commission is working together with all the changes and the public pressures

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: 'anna-marie.madrigal@cpuc.ca.gov'
CC: Fleishman, Steven I - RSCH AMRS
Sent: 2/27/2012 5:05:29 PM
Subject: Re: Email is best for Paul

Thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, February 27, 2012 05:29 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Email is best for Paul

Hi Naaz-
Thanks for your call today. Paul says if you have a question, best thing is to email him & he can email you.
Thank you,
Anna-Marie

His email is pac@cpuc.ca.gov

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From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 3/5/2012 4:31:22 PM
Subject: Accepted: Mtg w/ Naz & Paul
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 3/5/2012 4:31:34 PM
Subject: Accepted: Mtg w/ Naz & Paul
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Central Standard Time

Start Date/Time
16010101**T**020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Mtg w/ Naz & Paul
5305
20120315T113000
CONFIRMED

DTSTAMP
20120306T003122Z

Start Date/Time
20120315T113000

Summary
Accepted: Mtg w/ Naz & Paul

UID
040000008200E00074C5B7101A82E00800000000C072903AEDFACC01000000000000000
010000000FEA0F73836FDDF44965A9C8CA0A76E89

Attendee MAILTO:naaz.khumawala@baml.com
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
5305

End Date/Time
20120315T120000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120306T003134Z

Last Modified
20120306T003134Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
1673869276

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120306T003122Z

From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 3/8/2012 11:56:11 AM
Subject: Accepted: Mtg w/ Naz & Paul
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 3/8/2012 11:56:31 AM
Subject: Accepted: Mtg w/ Naz & Paul
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Mtg w/ Naz & Paul
5305
20120312T133000
CONFIRMED

DTSTAMP
20120308T195611Z

Start Date/Time
20120312T133000

Summary
Accepted: Mtg w/ Naz & Paul

UID
040000008200E00074C5B7101A82E00800000000C072903AEDFACC01000000000000000
010000000FEA0F73836FDDF44965A9C8CA0A76E89

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
5305

End Date/Time
20120312T140000

Sequence Number
2

Priority
5

COMMENT

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Categories

CREATED
20120308T195631Z

Last Modified
20120308T195631Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
TENTATIVE

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
1673869276

X-MICROSOFT-CDO-APPT-SEQUENCE
2

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120308T195611Z

From: Fleishman, Steven I - RSCH AMRS
To: mark.ferron@cpuc.ca.gov
Sent: 3/14/2012 11:54:20 AM
Subject: Follow up

Commissioner Ferron

Just wanted to follow up to see if you would be in NY any time soon or have time on the phone to discuss industry cost of capital practices in more detail. Thanks in advance.

Steve Fleishman

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From:	Fleishman, Steven I - RSCH AMRS
To:	Simon, Timothy A.
Sent:	3/26/2012 4:05:34 AM
Subject:	RE: Electric Utilities : Looking ahead to 2012 Megawatt Roundup conference - United States - 5pp
Attachments:	mlbull.gif; spacer.gif

thanks Tim - hope you are well!

From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Monday, March 26, 2012 12:27 AM
To: Fleishman, Steven I - RSCH AMRS
Subject: Fwd: Electric Utilities : Looking ahead to 2012 Megawatt Roundup conference - United States - 5pp

Steve, this looks like a great gathering! Congratulations!

Timothy Alan Simon
Commissioner California Public Utilities Commission
Chairman, NARUC Committee on Gas

Begin forwarded message:

From: "BofAML-Ameet Thakkar, Steve Fleishman " <feedback@mlresearch.ml.com>
Date: March 25, 2012 7:19:43 PM PDT
To: "Simon, Timothy A." <tas@cpuc.ca.gov>
Subject: Electric Utilities : Looking ahead to 2012 Megawatt Roundup conference - United States - 5pp
Reply-To: <feedback_e7902e-223aa2b2@mlresearch.ml.com>

Click here for full report*
(intended for Timothy Simon)

MW Roundup should highlight generator bright spots...

Our annual Megawatt Roundup conference that focuses on competitive power markets commences on April 27th in Houston, TX with an investor dinner we are hosting with senior CPN management. We continue the conference on April 28th with company presentations and investor Q&A with leading generators such as (GEN, EXC, NRG, PEG, NEE and FE). Falling natural gas prices and the impact on power markets will likely be a hot topic at the conference, but we believe several participants will also highlight other favorable market dynamics that are not tied to natural gas prices. We see key topics at this year's event consisting of:

1.) **Addition by subtraction:** We see even coal leveraged generators such as FE and GEN as longer-term beneficiaries from more stringent EPA rules as excess power supply is reduced. Nuclear and gas leveraged generators such as (EXC, PEG, NEE and CPN) are well positioned already. We hope to get more insight into the magnitude of power prices increases see from significant capacity declines that are already underway.
2.) **PJM RPM Capacity auction around the corner:** Our recent meetings with officials of the PJM Interconnection (please see our recent report) to review drivers impacting the upcoming May 2012 PJM Reliability Pricing Model (RPM) auction seemed to

confirm our view that capacity prices are headed higher. With the 5 of the largest generators in the PJM region in attendance (EXC, FE, PEG, GEN and CPN), we think our conference should provide further insight into where the May 2012 auction is headed.

3.) **Coal to gas switching:** Coal generators such as GEN and FE face potential volumetric declines as their coal assets run less during the current weak spot gas price environment. We see gas generator, CPN, as a primary beneficiary of higher utilization rates. Other conference participants such as PEG have meaningful gas generation portfolios that may also benefit.

4.) **Texas upside continues to excite:** On-peak market heat rates have already moved substantially higher (particularly since February) and should benefit generators (NRG and CPN), that said we see room for further increases in Texas power prices. However, generators that also have retail businesses in the state may see increased risk (NRG, NEE and EXC).

...most of which are pointed CPN's way

As we recently highlighted (please see "Good story looking better") CPN appears to be the best positioned generator in the current power market environment. As the largest natural gas generator in the U.S. CPN has positive leverage to all of the factors highlighted above. Although the stock has outperformed of late we think that gas generation will likely continue to see a higher valuation ascribed to it over the next several months. Reiterate Buy rating on CPN shares.

To reply to Ameet Thakkar directly, click here or call +1 713 247 6037
To reply to Steve Fleishman directly, click here or call +1 646 855 2906

*** Read the research report for complete information including important disclosures and analyst certification(s).**

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Publication: 786363-11150615.pdf
Recipient: Timothy Simon
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Bank of America
Merrill Lynch

From: Khumawala, Naaz - RSCH AMRS
To: Brown, Carol A.
CC: Gonzalez, Nuria
Sent: 4/9/2012 2:30:27 PM
Subject: President Peevey coming to New York

Carol,

Hope this e-mail finds you well. We heard President Peevey was going to be in NYC on May 15. Would it be possible for us to meet with him for a short period while he is in town?

Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 4/9/2012 4:55:09 PM
Subject: RE: Brief Paul Clanon mtg

That works, we'll take it. Monday or Tuesday works better for us if that is okay.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, April 09, 2012 6:02 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Brief Paul Clanon mtg

Hi Naaz--
I can schedule a BRIEF phone call w/ you & Paul Clanon later next week.
Please be advised he is extremely busy these next few weeks as Commission meeting approaches so I can only offer 5mins.
Please advise.
Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

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From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 4/9/2012 5:02:55 PM
Subject: RE: Brief Paul Clanon mtg

yup, thanks. What number should we call 415-703-3808?

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, April 09, 2012 7:01 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Brief Paul Clanon mtg

Next Monday, 4/16 at 10:30am Paul is available. Will that work?
Thank you,
Anna-Marie

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Monday, April 09, 2012 4:55 PM
To: Madrigal, Anna-Marie
Subject: RE: Brief Paul Clanon mtg

That works, we'll take it. Monday or Tuesday works better for us if that is okay.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, April 09, 2012 6:02 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Brief Paul Clanon mtg

Hi Naaz--
I can schedule a BRIEF phone call w/ you & Paul Clanon later next week.
Please be advised he is extremely busy these next few weeks as Commission meeting approaches so I can only offer 5mins.
Please advise.
Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

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From: Khumawala, Naaz - RSCH AMRS
To: 'anna-marie.madrigal@cpuc.ca.gov'
Sent: 4/13/2012 9:38:26 PM
Subject: Re: Need to reschedule Monday's call

Tuesday would work better if possible, otherwise will do Wednesday.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, April 13, 2012 06:56 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Need to reschedule Monday's call

Paul is out Monday. Can you do Wed @ 9:30?

Thank you & I apologize for the last minute change.

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From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 4/16/2012 9:29:37 AM
Subject: RE: Need to reschedule Monday's call

Yup, that will work. thanks.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, April 16, 2012 11:28 AM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Need to reschedule Monday's call

He's out on Tues as well. Can you still do Wed?

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Friday, April 13, 2012 9:38 PM
To: Madrigal, Anna-Marie
Subject: Re: Need to reschedule Monday's call

Tuesday would work better if possible, otherwise will do Wednesday.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, April 13, 2012 06:56 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: Need to reschedule Monday's call

Paul is out Monday. Can you do Wed @ 9:30?

Thank you & I apologize for the last minute change.

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From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 4/16/2012 10:00:02 AM
Subject: Accepted: Brief chat--Naaz
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 4/16/2012 10:00:24 AM
Subject: Accepted: Brief chat--Naaz
Attachments: meeting.ics

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16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
Central Standard Time

Start Date/Time
16010101**T**020000

TZOFFSETFROM
-0500

TZOFFSETTO
-0600

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0600

TZOFFSETTO
-0500

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Brief chat--Naaz
Please call Paul at 415.703.3808
20120418T113000
CONFIRMED

DTSTAMP
20120416T170002Z

Start Date/Time
20120418T113000

Summary
Accepted: Brief chat--Naaz

UID
040000008200E00074C5B7101A82E00800000000703B3B869619CD01000000000000000
010000000B5AE6F774DBE0144ABEA789695F19625

Attendee **MAILTO:naaz.khumawala@baml.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Clanon, Paul")
MAILTO:anna-marie.madrigal@cpuc.ca.gov

Location
Please call Paul at 415.703.3808

End Date/Time
20120418T114000

Sequence Number
0

Priority
5

COMMENT

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Categories

CREATED
20120416T170024Z

Last Modified
20120416T170024Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-REPLYTIME
16010101T000000Z

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120416T170002Z

From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 7/18/2012 11:36:16 AM
Subject: Accepted: Call w/ Naaz & Steve
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Clanon, Paul
Sent: 7/18/2012 11:37:58 AM
Subject: Accepted: FW: Call w/ Naaz & Steve
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
CC: Fleishman, Steven I - RSCH AMRS
Sent: 7/18/2012 11:38:51 AM
Subject: We are good on the 11am PST call

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 7/19/2012 11:17:08 AM
Subject: Accepted: Call w/ Naaz & Steve
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Clanon, Paul
Sent: 7/19/2012 11:19:23 AM
Subject: Accepted: Updated: Call w/ Naaz & Steve
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: pac@cpuc.ca.gov
CC: am3@cpuc.ca.gov; Fleishman, Steven I - RSCH AMRS
Sent: 8/8/2012 11:24:40 AM
Subject: Meeting request for September and call request for soon please

Paul!

Sorry to bug you--maybe one day California will be boring--ha! We have a couple of requests for you:

1) Steve and I will be in California September 11 & 12. Can we meet with you then if you have time? We would prefer the 12th, but can do the afternoon of the 11th if the 12th doesn't work for you. I know its commission meeting week, so we'll be quick.

2) Can we catch up with you for a quick call this week on SONGS? We've been hearing a bunch of different things and wanted to check with the expert.

Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From:	Khumawala, Naaz - RSCH AMRS
To:	Madrigal, Anna-Marie
CC:	Fleishman, Steven I - RSCH AMRS
Sent:	8/8/2012 11:32:28 AM
Subject:	RE: Meeting request for September and call request for soon please

on the 12th? thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 1:32 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

Hi Naaz--
Followed up and Paul said Sept meeting will be fine.
11:30am 1:30pm

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, August 08, 2012 11:25 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie; Fleishman, Steven I - RSCH AMRS
Subject: Meeting request for September and call request for soon please

Paul!

Sorry to bug you--maybe one day California will be boring--ha! We have a couple of requests for you:

1) Steve and I will be in California September 11 & 12. Can we meet with you then if you have time? We would prefer the 12th, but can do the afternoon of the 11th if the 12th doesn't work for you. I know its commission meeting week, so we'll be quick.

2) Can we catch up with you for a quick call this week on SONGS? We've been hearing a bunch of different things and wanted to check with the expert.

Thanks!

Naaz Khumawala
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From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
CC: Fleishman, Steven I - RSCH AMRS
Sent: 8/8/2012 12:06:13 PM
Subject: RE: Meeting request for September and call request for soon please

We'll take 11:30am. Thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 1:48 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

Yes, which time works for you?

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, August 08, 2012 11:32 AM
To: Madrigal, Anna-Marie
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

on the 12th? thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 1:32 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

Hi Naaz--
Followed up and Paul said Sept meeting will be fine.
11:30am 1:30pm

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, August 08, 2012 11:25 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie; Fleishman, Steven I - RSCH AMRS
Subject: Meeting request for September and call request for soon please

Paul!

Sorry to bug you--maybe one day California will be boring--ha! We have a couple of requests for you:

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2) Can we catch up with you for a quick call this week on SONGS? We've been hearing a bunch of different things and wanted to check with the expert.

Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch

Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Clanon, Paul
Sent: 8/8/2012 12:07:49 PM
Subject: Accepted: Mtg w/ Naaz & Steve Fleischman
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 8/8/2012 12:07:49 PM
Subject: Accepted: Mtg w/ Naaz & Steve Fleischman
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Clanon, Paul
Sent: 8/8/2012 12:10:37 PM
Subject: Accepted: Mtg w/ Naaz & Steve Fleischman
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 8/8/2012 12:10:37 PM
Subject: Accepted: Mtg w/ Naaz & Steve Fleischman
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 8/8/2012 12:11:15 PM
Subject: RE: Meeting request for September and call request for soon please

thanks! and sorry to bug you (and paul)--does he have 10 minutes to chat with us briefly this week?

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 2:10 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

Thank you! Done.

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, August 08, 2012 12:06 PM
To: Madrigal, Anna-Marie
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

We'll take 11:30am. Thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 1:48 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

Yes, which time works for you?

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, August 08, 2012 11:32 AM
To: Madrigal, Anna-Marie
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

on the 12th? thanks!

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 1:32 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Fleishman, Steven I - RSCH AMRS
Subject: RE: Meeting request for September and call request for soon please

Hi Naaz--
Followed up and Paul said Sept meeting will be fine.
11:30am 1:30pm

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Wednesday, August 08, 2012 11:25 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie; Fleishman, Steven I - RSCH AMRS

Subject: Meeting request for September and call request for soon please

Paul!

Sorry to bug you--maybe one day California will be boring--ha! We have a couple of requests for you:

1) Steve and I will be in California September 11 & 12. Can we meet with you then if you have time? We would prefer the 12th, but can do the afternoon of the 11th if the 12th doesn't work for you. I know its commission meeting week, so we'll be quick.

2) Can we catch up with you for a quick call this week on SONGS? We've been hearing a bunch of different things and wanted to check with the expert.

Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From:	Khumawala, Naaz - RSCH AMRS
To:	rsm@cpuc.ca.gov; prw@cpuc.ca.gov
Sent:	8/20/2012 4:32:49 PM
Subject:	Meeting request for Commissioner Simon. September 12, 2012
Attachments:	Simon MeetingRequestForm_2.doc

Scott,

Please let me know if you have any questions. Thanks!

Naaz Khumawala
Bank of America Merrill Lynch
713-247-7313

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon

MEETING REQUEST FORM

Please complete and return, as instructed:

- ☐ **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ☐ **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ☐ ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. PERSON (and COMPANY) : Steven Fleishman, Bank of America Merrill Lynch. Naaz Khumawala, Bank of America Merrill Lynch	**Today's Date**: 8/20/2012
2. REASON (please provide as much in a paragraph covering the subject and purpose of your meeting so it is clear why you would like to meet): **Discuss California regulatory policy, energy policy, safety and renewable standards**	
3. Meeting parameters:	
PROPOSED MEETING DATE(S) AND TIME (S) **9/12/2012**	X In Person ☐ By phone
PROPOSED STAFF: x Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh xBishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	

5. INDUSTRY: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

6. IS THIS PROCEEDING SUBJECT TO SB 960? ☐ Yes x No ☐ Do not know

7. IF SUBJECT TO SB 960, SELECT CATEGORY: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement:

I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:

0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting

2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))

0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___

8. DOCKET NUMBER(S) **PROCEEDING DESCRIPTION:**

9. IS THIS A COMMISSION MEETING AGENDA ITEM? ☐ Yes ☐ No ☐ Do not know

If yes, specify the anticipated Commission meeting: date: sequence or item number:

10. **LIST YOUR MEETING ATTENDEE(S).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steven Fleishman		**Bank of America Merrill Lynch**	**Analyst**
Naaz Khumawala		**Bank of America Merrill Lynch**	**Analyst**
John Kohli		**Franklin Advisors**	**Portfolio Manager**
Tom O'Neill		**Green Arrow**	**Portfolio Manager**

9. **CONTACT INFORMATION:**

Contact name: Naaz Khumawala		**E-mail: naaz.khumawala@baml.com**
Office phone: 713-247-7313	**Cell:**	**Fax No.:**
Office use only:		
TAS PRW LBS RMM BBC	Comments:	Confimed date: Confimed time:

From: Khumawala, Naaz - RSCH AMRS
To: joan.dahlgren@cpuc.ca.gov; sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Sent: 8/20/2012 4:38:11 PM
Subject: Requesting a meeting with Commissioner Florio
Attachments: Florio REVISEDMEETINGREQUEST.doc

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 8/20/2012
Party requesting meeting: Naaz Khumawala, Bank of America
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory policy, energy policy, safety and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Bank of America Naaz Khumawala, Bank of America Tom O'Neill, Green Arrow John Kohli, Franklin
Proposed date/time of meeting: 9/12/2012
Contact name, Phone, e-mail: Naaz Khumawala, 713-247-7313, naaz.khumawala@baml.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Khumawala, Naaz - RSCH AMRS
To:	Chan, Jovita; 'Katague, Ditas'
Sent:	8/20/2012 4:43:32 PM
Subject:	Meeting request for Commissioner Sandoval
Attachments:	SandovalMeetingReqFormv3Final20110912.doc

Ditas & Jovita,

Hope you're doing well! Steve and I will be in San Francisco in the middle of September and would like to see the Commissioner if she's available, Thanks!

Naaz Khumawala
Bank of America Merrill Lynch
713-247-7313

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 8/20/2012
Party requesting meeting: Naaz Khumawala, Bank of America
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory policy, energy policy, safety and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company): Steve Fleishman, Bank of America Naaz Khumawala, Bank of America Tom O'Neill, Green Arrow John Kohli, Franklin
Proposed date/time of meeting: 9/12/2012
Contact name, Phone, e-mail: Naaz Khumawala, 713-247-7313, naaz.khumawala@baml.com
---*For Internal Use Only* --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague (dmk@cpuc.ca.gov)

Revised 2011-09-12

From:	Khumawala, Naaz - RSCH AMRS
To:	bnk@cpuc.ca.gov; je3@cpuc.ca.gov; charlotte.terkeurst@cpuc.ca.gov
Sent:	8/20/2012 4:56:10 PM
Subject:	Meeting Request for Commissioner Ferron
Attachments:	MeetingRequest_Ferron_Sept.doc

Hi,

We would like to request a meeting with Commissioner Ferron. Please see the attached form. Please let me know if you have any questions.

Thanks!
Naaz

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: Steve Fleishman, Bank of America	**Today's Date**: 8/20/2012
2. Reason for meeting (subject, topic, issues): Discuss California regulatory policy, energy policy, renewable policy and safety standards	
3. Docket or Proceeding # (if applicable) and case name: N/A	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 9/12/2012	**X In Person ☐ By phone**
Proposed staff: X Comr. Ferron* ☐Charlotte TerKeurst ☐Michael Colvin XSara Kamins ☐Charlyn Hook	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	
6. Industry: X Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
7a. Proceeding category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** X No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes X No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Steve Fleishman	Bank of America	Analyst
Naaz Khumawala	Bank of America	Analyst
John Kohli	Franklin Advisors	Portfolio Manager
Tom O'Neill	Green Arrow	Portfolio Manager

10. List your contact information:		
Contact name: Naaz Khumawala		**E-mail: naaz.khumawala@baml.com**
Office phone: 713-247-7313	**Cell:**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From: Khumawala, Naaz - RSCH AMRS
To: Ferron, Mark J.
Sent: 8/21/2012 4:34:11 PM
Subject: Accepted: B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Banks, Juliane
Sent: 8/21/2012 4:34:11 PM
Subject: Accepted: B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards
Attachments: Attachment1

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Name: Attachment1

From:	Khumawala, Naaz - RSCH AMRS
To:	'Katague, Ditas'
Sent:	8/28/2012 2:20:13 PM
Subject:	FW: Meeting request for Commissioner Sandoval
Attachments:	SandovalMeetingReqFormv3Final20110912.doc

Thanks for the time Ditas--1-1:30 would work really well for us if we can do that!

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, August 20, 2012 6:44 PM
To: Chan, Jovita; 'Katague, Ditas'
Subject: Meeting request for Commissioner Sandoval

Ditas & Jovita,

Hope you're doing well! Steve and I will be in San Francisco in the middle of September and would like to see the Commissioner if she's available, Thanks!

Naaz Khumawala
Bank of America Merrill Lynch
713-247-7313

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 8/20/2012
Party requesting meeting: Naaz Khumawala, Bank of America
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory policy, energy policy, safety and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company): Steve Fleishman, Bank of America Naaz Khumawala, Bank of America Tom O'Neill, Green Arrow John Kohli, Franklin
Proposed date/time of meeting: 9/12/2012
Contact name, Phone, e-mail: Naaz Khumawala, 713-247-7313, naaz.khumawala@baml.com
---For Internal Use Only --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague (dmk@cpuc.ca.gov)

Revised 2011-09-12

From: Khumawala, Naaz - RSCH AMRS
To: 'Katague, Ditas'
Sent: 8/28/2012 2:20:37 PM
Subject: RE: Meeting request for Commissioner Sandoval

1-1:30 on September 12. Thanks!

From: Khumawala, Naaz - RSCH AMRS
Sent: Tuesday, August 28, 2012 4:20 PM
To: 'Katague, Ditas'
Subject: FW: Meeting request for Commissioner Sandoval

Thanks for the time Ditas--1-1:30 would work really well for us if we can do that!

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, August 20, 2012 6:44 PM
To: Chan, Jovita; 'Katague, Ditas'
Subject: Meeting request for Commissioner Sandoval

Ditas & Jovita,

Hope you're doing well! Steve and I will be in San Francisco in the middle of September and would like to see the Commissioner if she's available, Thanks!

Naaz Khumawala
Bank of America Merrill Lynch
713-247-7313

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From:	Khumawala, Naaz - RSCH AMRS
To:	Katague, Ditas
CC:	Chan, Jovita; Malliett, Valerie
Sent:	8/28/2012 2:29:09 PM
Subject:	RE: Meeting request for Commissioner Sandoval

Many thanks!

From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Tuesday, August 28, 2012 4:28 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Chan, Jovita; Malliett, Valerie
Subject: RE: Meeting request for Commissioner Sandoval

Naaz,
The Commissioner and I will meet with you then. Thanks.

Ditas

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commissioner
770 L Street, Suite 1250
Sacramento, CA 95814
(916) 322-8858
dmk@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Tuesday, August 28, 2012 2:21 PM
To: Katague, Ditas
Subject: RE: Meeting request for Commissioner Sandoval

1-1:30 on September 12. Thanks!

From: Khumawala, Naaz - RSCH AMRS
Sent: Tuesday, August 28, 2012 4:20 PM
To: 'Katague, Ditas'
Subject: FW: Meeting request for Commissioner Sandoval

Thanks for the time Ditas--1-1:30 would work really well for us if we can do that!

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, August 20, 2012 6:44 PM
To: Chan, Jovita; 'Katague, Ditas'
Subject: Meeting request for Commissioner Sandoval

Ditas & Jovita,

Hope you're doing well! Steve and I will be in San Francisco in the middle of September and would like to see the Commissioner

if she's available, Thanks!

Naaz Khumawala
Bank of America Merrill Lynch
713-247-7313

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From: Khumawala, Naaz - RSCH AMRS
To: Malliett, Valerie
CC: Katague, Ditas
Sent: 8/28/2012 2:46:14 PM
Subject: RE: Confirming meeting with Commissioner Sandoval

Thank you, we will be in touch if we have more attendees.

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Tuesday, August 28, 2012 4:45 PM
To: Khumawala, Naaz - RSCH AMRS
Cc: Katague, Ditas
Subject: Confirming meeting with Commissioner Sandoval

We have scheduled a meeting with Commissioner Sandoval and Ditas Katague for September 12 at 1pm in room 5209 at the CPUC building for the following people:

Steve Fleishman, Bank of America
Naaz Khumawala, Bank of America
Tom O'Neill, Green Arrow
John Kohli, Franklin

Please let me know if more people that this are expected so that we may arrange adequate seating.

You are welcome to contact me if you have any questions.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

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From: Khumawala, Naaz - RSCH AMRS
To: al4@cpuc.ca.gov
Sent: 8/28/2012 4:14:22 PM
Subject: Meeting request with President Peevey, Audrey Lee and Carol Brown

Afternoon of September 11 or morning of September 12 please!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Khumawala, Naaz - RSCH AMRS
To: Lee, Audrey
Sent: 8/28/2012 4:49:18 PM
Subject: Accepted: Meeting with Bank of America Merrill Lynch
Attachments: Attachment1

Thanks very much, looking forward to meeting with you.

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Chatterjee, Bishu
Sent: 9/5/2012 3:49:19 PM
Subject: Accepted: Meeting with Bank of America re: California regulatory policy, energy policy, safety and renewable standards
Attachments: Attachment1

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Name: Attachment1

From: Fleishman, Steven I - RSCH AMRS
To: Chatterjee, Bishu
Sent: 9/6/2012 11:42:41 AM
Subject: Accepted: FW: Meeting with Bank of America re: California regulatory policy, energy policy, safety and renewable standards
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: 'bnk@cpuc.ca.gov'; 'je3@cpuc.ca.gov'; 'charlotte.terkeurst@cpuc.ca.gov'
Sent: 9/11/2012 10:30:34 AM
Subject: Re: Meeting Request for Commissioner Ferron

Hi,

One more addition to the meeting tomorrow, Blair Schmicker, Franklin.

Thanks!

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, August 20, 2012 06:56 PM
To: bnk@cpuc.ca.gov <bnk@cpuc.ca.gov>; je3@cpuc.ca.gov <je3@cpuc.ca.gov>; charlotte.terkeurst@cpuc.ca.gov <charlotte.terkeurst@cpuc.ca.gov>
Subject: Meeting Request for Commissioner Ferron

Hi,

We would like to request a meeting with Commissioner Ferron. Please see the attached form. Please let me know if you have any questions.

Thanks!
Naaz

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From: Khumawala, Naaz - RSCH AMRS
To: 'juliane.banks@cpuc.ca.gov'
Sent: 9/11/2012 3:26:30 PM
Subject: Re: Meeting Request for Commissioner Ferron

5 from us please.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 05:23 PM
To: Khumawala, Naaz - RSCH AMRS
Subject: RE: Meeting Request for Commissioner Ferron

Hi Naaz,

Thank you for letting us know. What is the total count? I may need to reserve a meeting room. Thanks!

From: Khumawala, Naaz - RSCH AMRS [mailto:naaz.khumawala@baml.com]
Sent: Tuesday, September 11, 2012 10:31 AM
To: Banks, Juliane; Emelo, Josephine; TerKeurst, Charlotte
Subject: Re: Meeting Request for Commissioner Ferron

Hi,

One more addition to the meeting tomorrow, Blair Schmicker, Franklin.

Thanks!

From: Khumawala, Naaz - RSCH AMRS
Sent: Monday, August 20, 2012 06:56 PM
To: bnk@cpuc.ca.gov <bnk@cpuc.ca.gov>; je3@cpuc.ca.gov <je3@cpuc.ca.gov>; charlotte.terkeurst@cpuc.ca.gov <charlotte.terkeurst@cpuc.ca.gov>
Subject: Meeting Request for Commissioner Ferron

Hi,

We would like to request a meeting with Commissioner Ferron. Please see the attached form. Please let me know if you have any questions.

Thanks!
Naaz

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From: Khumawala, Naaz - RSCH AMRS
To: Ferron, Mark J.
Sent: 9/11/2012 3:50:14 PM
Subject: Accepted: B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Banks, Juliane
Sent: 9/11/2012 3:50:14 PM
Subject: Accepted: B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Ferron, Mark J.
Sent: 9/12/2012 9:10:59 AM
Subject: Accepted: B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards
Attachments: Attachment1

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Name: Attachment1

From: Khumawala, Naaz - RSCH AMRS
To: Banks, Juliane
Sent: 9/12/2012 9:10:59 AM
Subject: Accepted: B of A Mtg to discuss CA Regulatory, Energy and Renewable Policy & Safety Standards
Attachments: Attachment1

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Name: Attachment1

From:	Khumawala, Naaz - RSCH AMRS
To:	rsm@cpuc.ca.gov
CC:	prw@cpuc.ca.gov
Sent:	10/25/2012 11:46:27 AM
Subject:	Meeting request Commissioner Simon
Attachments:	Simon MeetingRequestForm.doc

Would like to schedule a call with Commissioner Simon. Thanks.

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon

MEETING REQUEST FORM

Please complete and return, as instructed:

- ☐ **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ☐ **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ☐ ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. PERSON (and COMPANY) : Steve Fleishman, bank of America	**Today's Date**: 10/25/2012
2. REASON (please provide as much in a paragraph covering the subject and purpose of your meeting so it is clear why you would like to meet): **Discuss California regulatory environment, cost of capital, San Bruno, safety, reliability**	
3. Meeting parameters:	
PROPOSED MEETING DATE(S) AND TIME (S) **10/31, 1pm PST**	☐ In Person X By phone
PROPOSED STAFF: X Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh X Bishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** X Cancel this meeting request ☐ Assign an advisor	

5. INDUSTRY: **X** Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

6. IS THIS PROCEEDING SUBJECT TO SB 960? ☐ Yes X No ☐ Do not know

7. IF SUBJECT TO SB 960, SELECT CATEGORY: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement:

I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:

0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting

2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))

0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___

8. DOCKET NUMBER(S) **PROCEEDING DESCRIPTION:**

9. IS THIS A COMMISSION MEETING AGENDA ITEM? ☐ Yes ☐ No ☐ Do not know

If yes, specify the anticipated Commission meeting: date: sequence or item number:

10. **LIST YOUR MEETING ATTENDEE(S).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Steve Fleishman		**Bank of America**	**Analyst**
Naaz Khumawala		**Bank of America**	**Analyst**

9. **CONTACT INFORMATION:**

Contact name: Naaz Khumawala		**E-mail: naaz.khumawala@baml.com**
Office phone: 713-247-7313	**Cell:**	**Fax No.:**
Office use only:		
TAS PRW LBS RMM BBC	Comments:	Confimed date: Confimed time:

From:	Khumawala, Naaz - RSCH AMRS
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Sent:	10/25/2012 1:09:14 PM
Subject:	Meeting (Call) Request Commissioner Florio
Attachments:	Florio REVISEDMEETINGREQUEST.doc

Please let me know if you need anything else. Thanks, Naaz.

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 10/25/2012
Party requesting meeting: Steve Fleishman, Bank of America
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory policy, San Bruno, safety work
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Bank of America Naaz Khumawala, Bank of America
Proposed date/time of meeting: flexible with Commissioner's schedule (would request phone call)
Contact name, Phone, e-mail: Naaz Khumawala, 713-247-7313, naaz.khumawala@baml.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Khumawala, Naaz - RSCH AMRS
To: pac@cpuc.ca.gov
Sent: 11/19/2012 4:07:01 PM
Subject: Cost of Capital alternate decision?

Paul--should we expect an alternate decision from Ferron or any of the other commissioners? Thanks!

Naaz Khumawala
Utilities & Power
Bank of America Merrill Lynch
Merrill Lynch, Pierce, Fenner & Smith Inc.
713-247-7313
naaz.khumawala@baml.com

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From: Apgar, John - RSCH AMRS
To: 'paul.clanon@cpuc.ca.gov'; Chin, Brian - RSCH AMRS
Sent: 6/5/2013 7:01:17 PM
Subject: CPSD rebuttal testimony

Hi Paul,

Hope you're doing well. We just wanted to confirm something with you regarding the CPSDs rebuttal briefs filed today in the San Bruno OII. Based on our interpretation, it appears that the pipeline rights of way (encroachment) spending can now be applied to the $2.25 billion penalty recommendation, and this was not the case in the initial penalty recommendation. Is that correct?

Regards,
John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th FM
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	nuria.gonzalez@cpuc.ca.gov; cody.goldthrite@cpuc.ca.gov; cab@cpuc.ca.gov
Sent:	1/6/2014 9:24:06 AM
Subject:	Request for meeting on 3/25/14: Comr. Peevey

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Peevey available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: RSM@cpuc.ca.gov; phyllis.white@cpuc.ca.gov
Sent: 1/6/2014 9:25:47 AM
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: dmk@cpuc.ca.gov; vm1@cpuc.ca.gov; jovita.chan@cpuc.ca.gov
Sent: 1/6/2014 9:26:45 AM
Subject: Request for meeting on 3/25/14: Comr. Sandoval

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Sandoval available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	jdb@cpuc.ca.gov; skh@cpuc.ca.gov; mpo@cpuc.ca.gov
Sent:	1/6/2014 9:27:56 AM
Subject:	Request for meeting on 3/25/14: Comr. Florio

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Florio available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: bnk@cpuc.ca.gov; cft@cpuc.ca.gov
Sent: 1/6/2014 9:30:06 AM
Subject: Request for meeting on 3/25/14: Comr. Ferron

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Ferron available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Mosbaugh, Scott
Sent: 1/6/2014 9:34:49 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753

John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: am3@cpuc.ca.gov
Sent: 1/6/2014 9:37:53 AM
Subject: Request for meeting on 3/25/14: Clanon

Good morning Anna Marie,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Executive Director Clanon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Khosrowjah, Sepideh
Sent: 1/6/2014 10:15:58 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Florio

Thank you, Sepideh

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:51 PM
To: Apgar, John - RSCH AMRS
Cc: DeBorja, Jovi; Khosrowjah, Sepideh; Poirier, Marcelo; Dahlgren, Joan
Subject: Re: Request for meeting on 3/25/14: Comr. Florio

Hi John,
I forwarded your email to Joan Dahlgren, Commissioner Florio's assistant. She will get back to you.
Thanks,
Sepideh

Sent from my iPad

On Jan 6, 2014, at 9:28 AM, "Apgar, John - RSCH AMRS" <john.apgar@baml.com> wrote:

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Florio available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Mosbaugh, Scott
Sent: 1/6/2014 10:19:16 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Okay, thank you Scott. I'll follow up with you in late February.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman

California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Banks, Juliane
Sent: 1/6/2014 10:26:43 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Thank you, Juliane

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:41 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi John,

Thank you for your request. Let me check with Comr. Ferron and I will get back to you as soon as I have an answer for you.

Thanks,
Juliane

From: Apgar, John - RSCH AMRS [john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:30 AM
To: Banks, Juliane; TerKeurst, Charlotte
Subject: Request for meeting on 3/25/14: Comr. Ferron

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Ferron available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Gonzalez, Nuria
To:	Apgar, John - RSCH AMRS
Sent:	1/7/2014 1:51:25 PM
Subject:	RE: Request for meeting on 3/25/14: Comr. Peevey
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Please complete the attached form. Thanks!

Nuria

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:24 AM
To: Gonzalez, Nuria; cody.goldthrite@cpuc.ca.gov; Brown, Carol A.
Subject: Request for meeting on 3/25/14: Comr. Peevey

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Peevey available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: ( ) Party requesting conference call:
Today's date:
Docket or proceeding #
Reason for the meeting:
Industry (*please indicate with an X*) **ENERGY ( ) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X)* ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO( )
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company) - Number of attendees _____
Proposed date/time of meeting:
Contact name:
Contact phone:

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 11/10/2010

From:	Apgar, John - RSCH AMRS
To:	Gonzalez, Nuria
Sent:	1/9/2014 8:35:00 AM
Subject:	RE: Request for meeting on 3/25/14: Comr. Peevey
Attachments:	PEEVEY MEETING REQUEST FORM NEW 2010 REVISED.doc

Hi Nuria,

The completed meeting request form is attached. Please let me know if you need anything else.

Thanks,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, January 07, 2014 4:51 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peevey

Please complete the attached form. Thanks!

Nuria

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:24 AM
To: Gonzalez, Nuria; cody.goldthrite@cpuc.ca.gov; Brown, Carol A.
Subject: Request for meeting on 3/25/14: Comr. Peevey

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Peevey available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(x) Party requesting meeting: Brian Chin, Bank of America Merrill Lynch Research ( ) Party requesting conference call:
Today's date: 1/9/14
Docket or proceeding # N/A
Reason for the meeting: General discussion on electric and gas regulatory environment in California
Industry (*please indicate with an X*) **ENERGY (x) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (x)
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO(x)
Has or will a hearing be held in this matter? YES( ) NO(x)
Attendees (name, title, company) - Number of attendees: Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.
Proposed date/time of meeting: The morning of March 25th 2014
Contact name: John Apgar, Bank of America Merrill Lynch Research
Contact phone: 646 855 3753

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 1/9/2014

From: Apgar, John - RSCH AMRS
To: pac@cpuc.ca.gov
CC: am3@cpuc.ca.gov
Sent: 1/9/2014 9:23:43 AM
Subject: RE: Request for meeting on 3/25/14: Clanon

Good morning Paul,

I sent the below email to Anna Marie earlier this week but just called your office and found out she's out of the office. As you can see below, we will be in San Francisco on March 25th meeting with PG&E in the afternoon. We are in the process of setting up meetings at the CPUC that morning and would like to meet with you if you're available. Please let us know if this works for you.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Monday, January 06, 2014 12:38 PM
To: 'am3@cpuc.ca.gov'
Subject: Request for meeting on 3/25/14: Clanon

Good morning Anna Marie,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Executive Director Clanon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	sandovalrequest@cpuc.ca.gov
Sent:	1/9/2014 9:46:12 AM
Subject:	Bank of America Merrill Lynch Research meeting request
Attachments:	SandovalMeetingReqForm9412.doc

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. We are requesting a meeting with Commissioner Sandoval the morning of March 25th. The completed meeting request form is attached. Please let me know if you need any other information.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 1/9/14
Party requesting meeting: Brian Chin, Bank of America Merrill Lynch Research
Docket # and Short Name: N/A
Reason for the meeting: General discussion on electric and gas regulatory environment in California
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Meeting Attendees (name, title, company): Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.
Proposed date/time of meeting: The morning of March 25th 2014
Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646 855 3753

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From: Apgar, John - RSCH AMRS
To: Dahlgren, Joan
Sent: 1/13/2014 12:53:48 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Florio

Hi Joan,

Just following up on the below request to meet with Commissioner Florio. Please let me know if you need anything from me.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:51 PM
To: Apgar, John - RSCH AMRS
Cc: DeBorja, Jovi; Khosrowjah, Sepideh; Poirier, Marcelo; Dahlgren, Joan
Subject: Re: Request for meeting on 3/25/14: Comr. Florio

Hi John,
I forwarded your email to Joan Dahlgren, Commissioner Florio's assistant. She will get back to you.
Thanks,
Sepideh

Sent from my iPad

On Jan 6, 2014, at 9:28 AM, "Apgar, John - RSCH AMRS" <john.apgar@baml.com> wrote:

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Florio available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Banks, Juliane
Sent: 1/13/2014 12:55:58 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi Juliane,

Just following up on our request to meet with Commissioner Ferron. Please let me know if you need anything from me.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:41 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi John,

Thank you for your request. Let me check with Comr. Ferron and I will get back to you as soon as I have an answer for you.

Thanks,
Juliane

From: Apgar, John - RSCH AMRS [john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:30 AM
To: Banks, Juliane; TerKeurst, Charlotte
Subject: Request for meeting on 3/25/14: Comr. Ferron

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Ferron available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

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Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Dahlgren, Joan
To:	Apgar, John - RSCH AMRS
CC:	Khosrowjah, Sepideh
Sent:	1/13/2014 1:11:16 PM
Subject:	RE: Request for meeting on 3/25/14: Comr. Florio

Good afternoon John,

I'm sorry but the Commissioner will be out of town that day and must decline.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 13, 2014 12:54 PM
To: Dahlgren, Joan
Subject: RE: Request for meeting on 3/25/14: Comr. Florio

Hi Joan,

Just following up on the below request to meet with Commissioner Florio. Please let me know if you need anything from me.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:51 PM
To: Apgar, John - RSCH AMRS
Cc: DeBorja, Jovi; Khosrowjah, Sepideh; Poirier, Marcelo; Dahlgren, Joan
Subject: Re: Request for meeting on 3/25/14: Comr. Florio

Hi John,
I forwarded your email to Joan Dahlgren, Commissioner Florio's assistant. She will get back to you.
Thanks,
Sepideh

Sent from my iPad

On Jan 6, 2014, at 9:28 AM, "Apgar, John - RSCH AMRS" <john.apgar@baml.com> wrote:

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Florio available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

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Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	Dahlgren, Joan
CC:	Khosrowjah, Sepideh
Sent:	1/13/2014 1:14:20 PM
Subject:	RE: Request for meeting on 3/25/14: Comr. Florio

Okay, thank you for getting back to me. Is there an event that would cause most of the Commissioners to be out of the office that day? I only ask because Commissioner Sandoval will also be out of town that day.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Monday, January 13, 2014 4:11 PM
To: Apgar, John - RSCH AMRS
Cc: Khosrowjah, Sepideh
Subject: RE: Request for meeting on 3/25/14: Comr. Florio

Good afternoon John,

I'm sorry but the Commissioner will be out of town that day and must decline.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 13, 2014 12:54 PM
To: Dahlgren, Joan
Subject: RE: Request for meeting on 3/25/14: Comr. Florio

Hi Joan,

Just following up on the below request to meet with Commissioner Florio. Please let me know if you need anything from me.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036

(646) 855-3753
John.apgar@baml.com

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:51 PM
To: Apgar, John - RSCH AMRS
Cc: DeBorja, Jovi; Khosrowjah, Sepideh; Poirier, Marcelo; Dahlgren, Joan
Subject: Re: Request for meeting on 3/25/14: Comr. Florio

Hi John,
I forwarded your email to Joan Dahlgren, Commissioner Florio's assistant. She will get back to you.
Thanks,
Sepideh

Sent from my iPad

On Jan 6, 2014, at 9:28 AM, "Apgar, John - RSCH AMRS" <john.apgar@baml.com> wrote:

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Regards,

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John.apgar@baml.com

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From: Chin, Brian - RSCH AMRS
To: pac@cpuc.ca.gov; am3@cpuc.ca.gov
Sent: 1/13/2014 1:48:31 PM
Subject: Hi Paul - Brian Chin (formerly at Citi) here.

Hey Paul, I'm now at Merrill Lynch as the utilities analyst (Merrill hired me away from Citi when Steve Fleischman left.)

Was wondering if you were going to be available on March 25th? We've got a group of investors going to see PG&E, Edison and Sempra. We were hoping to meet with you as well. See emails below.

Thanks and hope to reconnect with you,

Brian

Brian Chin
Director | Electric Utilities Equity Analyst
Merrill Lynch, Pierce, Fenner & Smith Inc.
One Bryant Park, New York, NY 10036 | T 646.855.5855 M 347.429.0183
brian.chin@baml.com

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September 16-17, Boston Four Seasons

The power of global connections™

Bank of America Merrill Lynch logo

From: Apgar, John - RSCH AMRS
Sent: Thursday, January 09, 2014 12:24 PM
To: 'pac@cpuc.ca.gov'
Cc: 'am3@cpuc.ca.gov'
Subject: RE: Request for meeting on 3/25/14: Clanon

Good morning Paul,

I sent the below email to Anna Marie earlier this week but just called your office and found out she's out of the office. As you can see below, we will be in San Francisco on March 25th meeting with PG&E in the afternoon. We are in the process of setting up meetings at the CPUC that morning and would like to meet with you if you're available. Please let us know if this works for you.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Monday, January 06, 2014 12:38 PM
To: 'am3@cpuc.ca.gov'
Subject: Request for meeting on 3/25/14: Clanon

Good morning Anna Marie,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Executive Director Clanon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
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From: Banks, Juliane
To: Apgar, John - RSCH AMRS
Sent: 1/13/2014 2:25:02 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi John,

My apologies for the delay, our staff meeting got cancelled last week. I hope to have an answer for you by the end of the week.

Thanks for your patience,

Juliane

415-703-2284

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 13, 2014 12:56 PM
To: Banks, Juliane
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi Juliane,

Just following up on our request to meet with Commissioner Ferron. Please let me know if you need anything from me.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:41 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi John,

Thank you for your request. Let me check with Comr. Ferron and I will get back to you as soon as I have an answer for you.

Thanks,
Juliane

From: Apgar, John - RSCH AMRS [john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:30 AM
To: Banks, Juliane; TerKeurst, Charlotte
Subject: Request for meeting on 3/25/14: Comr. Ferron

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Ferron available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Banks, Juliane
Sent: 1/13/2014 2:26:50 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Okay, no problem. I'll wait to hear back from you.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, January 13, 2014 5:25 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi John,

My apologies for the delay, our staff meeting got cancelled last week. I hope to have an answer for you by the end of the week.

Thanks for your patience,

Juliane

415-703-2284

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 13, 2014 12:56 PM
To: Banks, Juliane
Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi Juliane,

Just following up on our request to meet with Commissioner Ferron. Please let me know if you need anything from me.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:41 PM
To: Apgar, John - RSCH AMRS

Subject: RE: Request for meeting on 3/25/14: Comr. Ferron

Hi John,

Thank you for your request. Let me check with Comr. Ferron and I will get back to you as soon as I have an answer for you.

Thanks,
Juliane

From: Apgar, John - RSCH AMRS [john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:30 AM
To: Banks, Juliane; TerKeurst, Charlotte
Subject: Request for meeting on 3/25/14: Comr. Ferron

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Ferron available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Gonzalez, Nuria
Sent: 2/3/2014 1:22:15 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peevey

Hi Nuria,
Just following up on our meeting request. I just called and left you a voicemail.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, January 09, 2014 11:35 AM
To: 'Gonzalez, Nuria'
Subject: RE: Request for meeting on 3/25/14: Comr. Peevey

Hi Nuria,

The completed meeting request form is attached. Please let me know if you need anything else.

Thanks,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, January 07, 2014 4:51 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peevey

Please complete the attached form. Thanks!

Nuria

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:24 AM
To: Gonzalez, Nuria; cody.goldthrite@cpuc.ca.gov; Brown, Carol A.
Subject: Request for meeting on 3/25/14: Comr. Peevey

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour

through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Peevey available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	dmk@cpuc.ca.gov; vm1@cpuc.ca.gov
Sent:	2/3/2014 1:26:56 PM
Subject:	FW: Bank of America Merrill Lynch Research meeting request
Attachments:	SandovalMeetingReqForm9412.doc

Good afternoon Ditas and Valerie,

Just following up on our meeting request.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, January 09, 2014 12:46 PM
To: 'sandovalrequest@cpuc.ca.gov'
Subject: Bank of America Merrill Lynch Research meeting request

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. We are requesting a meeting with Commissioner Sandoval the morning of March 25th. The completed meeting request form is attached. Please let me know if you need any other information.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 1/9/14
Party requesting meeting: Brian Chin, Bank of America Merrill Lynch Research
Docket # and Short Name: N/A
Reason for the meeting: General discussion on electric and gas regulatory environment in California
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Meeting Attendees (name, title, company): Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.
Proposed date/time of meeting: The morning of March 25th 2014
Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646 855 3753

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From: Malliett, Valerie
To: Apgar, John - RSCH AMRS
CC: Katague, Ditas
Sent: 2/3/2014 1:30:10 PM
Subject: RE: Bank of America Merrill Lynch Research meeting request

I apologize for not getting back to you sooner.

Unfortunately this office is unable to meet with your group.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 03, 2014 1:27 PM
To: Katague, Ditas; Malliett, Valerie
Subject: FW: Bank of America Merrill Lynch Research meeting request

Good afternoon Ditas and Valerie,

Just following up on our meeting request.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, January 09, 2014 12:46 PM
To: 'sandovalrequest@cpuc.ca.gov'
Subject: Bank of America Merrill Lynch Research meeting request

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. We are requesting a meeting with Commissioner Sandoval the morning of March 25th. The completed meeting request form is attached. Please let me know if you need any other information.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Malliett, Valerie
CC: Katague, Ditas
Sent: 2/3/2014 1:32:40 PM
Subject: RE: Bank of America Merrill Lynch Research meeting request

Okay, no worries. Thank you for getting back to me.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Monday, February 03, 2014 4:30 PM
To: Apgar, John - RSCH AMRS
Cc: Katague, Ditas
Subject: RE: Bank of America Merrill Lynch Research meeting request

I apologize for not getting back to you sooner.

Unfortunately this office is unable to meet with your group.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 03, 2014 1:27 PM
To: Katague, Ditas; Malliett, Valerie
Subject: FW: Bank of America Merrill Lynch Research meeting request

Good afternoon Ditas and Valerie,

Just following up on our meeting request.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, January 09, 2014 12:46 PM
To: 'sandovalrequest@cpuc.ca.gov'

Subject: Bank of America Merrill Lynch Research meeting request

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. We are requesting a meeting with Commissioner Sandoval the morning of March 25th. The completed meeting request form is attached. Please let me know if you need any other information.

Regards,

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Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: process_office@cpuc.ca.gov
Sent: 2/18/2014 10:11:30 AM
Subject: RE: Request to be added to service lists

Good morning,

Can you please add me to the information-only service list for proceeding A 13-12-012? I don't need to receive paper copies of anything, only emails.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Friday, November 15, 2013 2:02 PM
To: 'process_office@cpuc.ca.gov'
Subject: RE: Request to be added to service lists

Good morning,

Can you please add me to the information only service list for proceeding A 13-11-003?

Thank you.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Bautista, Juan [mailto:juan.bautista@cpuc.ca.gov] **On Behalf Of** Process Office
Sent: Tuesday, November 05, 2013 12:13 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request to be added to service lists

John Apgar, your request has been processed.

Thank you,

Juan Bautista
CPUC I Process Office I (415)703-2021

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, November 04, 2013 5:05 PM
To: Process Office
Subject: RE: Request to be added to service lists

Good afternoon,

Can you please add me to the information-only service list for the dockets listed below? Thank you.

R11-02-019
I12-10-013

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

2013 EEI conference schedule: This year's annual EEI financial conference November 10-13th is quickly approaching. Our full schedule is at, 2013 EEI schedule. Please reach out to your BofAML Sales contact if you would like to participate in our meetings.

From: Apgar, John - RSCH AMRS
Sent: Wednesday, May 22, 2013 8:46 PM
To: 'process_office@cpuc.ca.gov'
Subject: Request to be added to service lists

Good afternoon,

Can you please add me to the information only service list for the proceedings listed below. Thank you.

A1211009
I1201007
I1210013

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Mosbaugh, Scott
Sent: 2/24/2014 9:59:03 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

I just called and left a voicemail. Just wanted to check in to see if Commissioner Peterman is available for a meeting with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl

New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
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John.apgar@baml.com

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From: Mosbaugh, Scott
To: Apgar, John - RSCH AMRS
Sent: 2/24/2014 10:19:57 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by her and get back to you today.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 9:59 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

I just called and left a voicemail. Just wanted to check in to see if Commissioner Peterman is available for a meeting with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave

San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

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Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036

(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Mosbaugh, Scott
Sent: 2/24/2014 10:24:12 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Excellent, thanks Scott. We would be looking for a 30 minute meeting, preferably beginning at 11:00am if that works. Although we do have some flexibility on the time.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 1:20 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by her and get back to you today.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 9:59 AM
To: Mosbaugh, Scott
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Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

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Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
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415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of

approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Mosbaugh, Scott
To: Apgar, John - RSCH AMRS
Sent: 2/24/2014 12:25:23 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

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Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
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Sent: Monday, February 24, 2014 10:24 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Excellent, thanks Scott. We would be looking for a 30 minute meeting, preferably beginning at 11:00am if that works. Although we do have some flexibility on the time.

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Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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To: Mosbaugh, Scott
Sent: 2/24/2014 12:33:09 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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From: Mosbaugh, Scott
To: Apgar, John - RSCH AMRS
Sent: 2/24/2014 12:41:21 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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Great, I'll mark our calendar. I'll come back to you shortly with a list of attendees and topics we would like to discuss. Is there anything else you need from me at the moment?

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From: Mosbaugh, Scott
To: Apgar, John - RSCH AMRS
CC: Fernandez, Cristine
Sent: 2/24/2014 12:50:18 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Actually there is 1 small thing. Since this is going to be handled by the advisors, I need to hand you over to my co-worker, Cristine Fernandez, who handles scheduling for the advisors. I've advised her of your needs. She can be reached at cmf@cpuc.ca.gov.

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California Public Utilities Commission
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San Francisco CA 94102
415-703-4435

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To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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From:	Fernandez, Cristine
To:	Apgar, John - RSCH AMRS
CC:	Mosbaugh, Scott
Sent:	2/24/2014 12:59:44 PM
Subject:	RE: Request for meeting on 3/25/14: Comr. Peterman
Attachments:	PetermanMeetingRequestform.doc

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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date:
Person (and entity) requesting meeting:
Docket # and Short Name:
Reason for the meeting:
Industry: Energy ( ) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* ( ) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? Yes ( ) No ( ) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? Yes ( ) No ( ) *If yes, Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman.*
Has or will a hearing be held in this matter? *Yes* ( ) *No* ( )
Attendees (name, title, company) Attach additional sheet if necessary:
Proposed date/time of meeting: In Person ( ) By phone ( )
Contact name, phone, e-mail:
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From:	Room 5209 on behalf of Fernandez, Cristine
To:	Apgar, John - RSCH AMRS
Sent:	2/24/2014 1:16:58 PM
Subject:	Meeting with Bank of American
Attachments:	Attachment1

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Name: Attachment1

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Sent: 2/24/2014 3:41:15 PM
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From:	Apgar, John - RSCH AMRS
To:	Fernandez, Cristine
CC:	Mosbaugh, Scott
Sent:	2/24/2014 3:42:48 PM
Subject:	RE: Request for meeting on 3/25/14: Comr. Peterman
Attachments:	Peterman Meeting Request form (Bank of America 3-25-14).doc

Hi Christine,
The completed meeting request form is attached. I'll provide a preliminary attendee list and topics we intend to discuss shortly.

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It looks like both Commissioner Peterman and Julie will be out that week, but we can get you into see our other advisors, Melicia Charles, Jennifer Kalafut and Niki Bawa.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 10:24 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Excellent, thanks Scott. We would be looking for a 30 minute meeting, preferably beginning at 11:00am if that works. Although we do have some flexibility on the time.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 1:20 PM
To: Apgar, John - RSCH AMRS

Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by her and get back to you today.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 9:59 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

I just called and left a voicemail. Just wanted to check in to see if Commissioner Peterman is available for a meeting with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]

Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
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New York, NY 10036
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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: 2/24/14
Person (and entity) requesting meeting: Brian Chin, Bank of America Merrill Lynch Research
Docket # and Short Name: N/A
Reason for the meeting: General discussion on electric and gas regulatory environment in California.
Industry: Energy (x) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? Yes ( ) No (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? Yes ( ) No (x) *If yes, Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman.*
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.
Proposed date/time of meeting: 3/25/14 from 10:30-11:00am In Person (x) By phone ( )
Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646 855 3753
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From: Room 5209 on behalf of Fernandez, Cristine
To: Charles, Melicia; Bawa, Niki; Apgar, John - RSCH AMRS
CC: Fernandez, Cristine; Fitch, Julie A.
Sent: 2/24/2014 4:16:27 PM
Subject: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments: Attachment1

Today's Date: 2/24/14

Person (and entity) requesting meeting: Brian Chin, Bank of America Merrill Lynch Research

Docket # and Short Name: N/A

Reason for the meeting: General discussion on electric and gas regulatory environment in California.

Industry: Energy (x) Telecommunications ( ) Transportation ( ) Water ( )

Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (x)

Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x)
If yes, please indicate the date of the Commission meeting:

Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)

Attendees (name, title, company) Attach additional sheet if necessary: Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.

Proposed date/time of meeting: 3/25/14 from 10:30-11:00am
In Person (x) By phone ( )

Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646 855 3753

Name: Attachment1

From:	Apgar, John - RSCH AMRS
To:	Room 5209
Sent:	2/24/2014 4:33:48 PM
Subject:	Accepted: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments:	Attachment1

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Name: Attachment1

From: Apgar, John - RSCH AMRS
To: jdb@cpuc.ca.gov
CC: Titler, Mary K
Sent: 3/18/2014 10:53:43 AM
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
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From: Apgar, John - RSCH AMRS
To: Fernandez, Cristine
CC: Mosbaugh, Scott
Sent: 3/18/2014 10:59:44 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Christine,
Just sending an email to confirm our meeting next week with Melicia Charles, Jennifer Kalafut and Niki Bawa from 10:30-11:00am on March 25th. The confirmed attendee list is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
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Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Monday, February 24, 2014 6:43 PM
To: 'Fernandez, Cristine'
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Christine,
The completed meeting request form is attached. I'll provide a preliminary attendee list and topics we intend to discuss shortly.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, February 24, 2014 4:00 PM
To: Apgar, John - RSCH AMRS
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hello John, please fill out the attached form and I will schedule a meeting with our staff. Thank you.

From: Mosbaugh, Scott
Sent: Monday, February 24, 2014 12:50 PM
To: Apgar, John - RSCH AMRS
Cc: Fernandez, Cristine
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Actually there is 1 small thing. Since this is going to be handled by the advisors, I need to hand you over to my co-worker, Cristine Fernandez, who handles scheduling for the advisors. I've advised her of your needs. She can be reached at cmf@cpuc.ca.gov.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 12:44 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Great, I'll mark our calendar. I'll come back to you shortly with a list of attendees and topics we would like to discuss. Is there anything else you need from me at the moment?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:41 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Yes, their calendars are open at that time.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]

Sent: Monday, February 24, 2014 12:33 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Okay, no worries. It would be great if we could meet with her other advisors you listed below. Are they available from 11:00-11:30am?

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:25 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

It looks like both Commissioner Peterman and Julie will be out that week, but we can get you into see our other advisors, Melicia Charles, Jennifer Kalafut and Niki Bawa.

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California Public Utilities Commission
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To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by her and get back to you today.

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with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

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John.apgar@baml.com

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To: Apgar, John - RSCH AMRS
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San Francisco CA 94102
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To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

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Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

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Commissioner Simon is no longer with us.

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Office of Commissioner Carla Peterman
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Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
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Regards,

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From: Room 5209 on behalf of Mosbaugh, Scott
To: Charles, Melicia; Bawa, Niki; Apgar, John - RSCH AMRS
CC: Fernandez, Cristine; Fitch, Julie A.
Sent: 3/18/2014 11:03:11 AM
Subject: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments: Attachment1

Today's Date: 2/24/14

Person (and entity) requesting meeting: Brian Chin, Bank of America Merrill Lynch Research

Docket # and Short Name: N/A

Reason for the meeting: General discussion on electric and gas regulatory environment in California.

Industry: Energy (x) Telecommunications ( ) Transportation ( ) Water ( )

Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (x)

Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x)
If yes, please indicate the date of the Commission meeting:

Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)

Attendees (name, title, company) Attach additional sheet if necessary: Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.

Proposed date/time of meeting: 3/25/14 from 10:30-11:00am
In Person (x) By phone ( )

Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646 855 3753

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Lindroth, Wen Wen	Pacific Life Insurance
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Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

Name: Attachment1

From: Mosbaugh, Scott
To: Apgar, John - RSCH AMRS; Fernandez, Cristine
Sent: 3/18/2014 11:03:26 AM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

You are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Tuesday, March 18, 2014 11:00 AM
To: Fernandez, Cristine
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Christine,
Just sending an email to confirm our meeting next week with Melicia Charles, Jennifer Kalafut and Niki Bawa from 10:30-11:00am on March 25th. The confirmed attendee list is below. Please let me know if you need anything else.

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Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
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Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
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Brian Brazinski	Bank of America

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From: Apgar, John - RSCH AMRS
Sent: Monday, February 24, 2014 6:43 PM

To: 'Fernandez, Cristine'
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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Sent: Monday, February 24, 2014 4:00 PM
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Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

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Cc: Fernandez, Cristine
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Actually there is 1 small thing. Since this is going to be handled by the advisors, I need to hand you over to my co-worker, Cristine Fernandez, who handles scheduling for the advisors. I've advised her of your needs. She can be reached at cmf@cpuc.ca.gov.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
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From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 12:44 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Great, I'll mark our calendar. I'll come back to you shortly with a list of attendees and topics we would like to discuss. Is there anything else you need from me at the moment?

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Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Yes, their calendars are open at that time.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 12:33 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Okay, no worries. It would be great if we could meet with her other advisors you listed below. Are they available from 11:00-11:30am?

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:25 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

It looks like both Commissioner Peterman and Julie will be out that week, but we can get you into see our other advisors, Melicia Charles, Jennifer Kalafut and Niki Bawa.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 10:24 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Excellent, thanks Scott. We would be looking for a 30 minute meeting, preferably beginning at 11:00am if that works. Although we do have some flexibility on the time.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 1:20 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by

her and get back to you today.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 9:59 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

I just called and left a voicemail. Just wanted to check in to see if Commissioner Peterman is available for a meeting with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Mosbaugh, Scott; Fernandez, Cristine
Sent: 3/18/2014 2:19:39 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Thanks Scott

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, March 18, 2014 2:03 PM
To: Apgar, John - RSCH AMRS; Fernandez, Cristine
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

You are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Tuesday, March 18, 2014 11:00 AM
To: Fernandez, Cristine
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Christine,
Just sending an email to confirm our meeting next week with Melicia Charles, Jennifer Kalafut and Niki Bawa from 10:30-11:00am on March 25th. The confirmed attendee list is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036

(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Monday, February 24, 2014 6:43 PM
To: 'Fernandez, Cristine'
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Christine,
The completed meeting request form is attached. I'll provide a preliminary attendee list and topics we intend to discuss shortly.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, February 24, 2014 4:00 PM
To: Apgar, John - RSCH AMRS
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hello John, please fill out the attached form and I will schedule a meeting with our staff. Thank you.

From: Mosbaugh, Scott
Sent: Monday, February 24, 2014 12:50 PM
To: Apgar, John - RSCH AMRS
Cc: Fernandez, Cristine
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Actually there is 1 small thing. Since this is going to be handled by the advisors, I need to hand you over to my co-worker, Cristine Fernandez, who handles scheduling for the advisors. I've advised her of your needs. She can be reached at cmf@cpuc.ca.gov.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 12:44 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Great, I'll mark our calendar. I'll come back to you shortly with a list of attendees and topics we would like to discuss. Is there anything else you need from me at the moment?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:41 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Yes, their calendars are open at that time.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
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From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 12:33 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Okay, no worries. It would be great if we could meet with her other advisors you listed below. Are they available from 11:00-11:30am?

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:25 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

It looks like both Commissioner Peterman and Julie will be out that week, but we can get you into see our other advisors, Melicia Charles, Jennifer Kalafut and Niki Bawa.

Scott Mosbaugh
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California Public Utilities Commission
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415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 10:24 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Excellent, thanks Scott. We would be looking for a 30 minute meeting, preferably beginning at 11:00am if that works. Although we do have some flexibility on the time.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]

Sent: Monday, February 24, 2014 1:20 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by her and get back to you today.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 9:59 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

I just called and left a voicemail. Just wanted to check in to see if Commissioner Peterman is available for a meeting with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	Room 5209
Sent:	3/18/2014 2:19:56 PM
Subject:	Accepted: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments:	Attachment1

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Name: Attachment1

From: Apgar, John - RSCH AMRS
To: am3@cpuc.ca.gov
Sent: 3/18/2014 2:57:22 PM
Subject: 3/25/14 meeting

Hi Anna Marie,

Just reaching out to confirm our meeting with Paul on 3/25/14 from 11:30-12:00. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Room 5209 on behalf of Fernandez, Cristine
To: Charles, Melicia; Bawa, Niki; Apgar, John - RSCH AMRS
CC: Fernandez, Cristine; Fitch, Julie A.
Sent: 3/19/2014 10:35:58 AM
Subject: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments: Attachment1

Today's Date: 2/24/14

Person (and entity) requesting meeting: Brian Chin, Bank of America Merrill Lynch Research

Docket # and Short Name: N/A

Reason for the meeting: General discussion on electric and gas regulatory environment in California.

Industry: Energy (x) Telecommunications ( ) Transportation ( ) Water ( )

Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (x)

Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x)
If yes, please indicate the date of the Commission meeting:

Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)

Attendees (name, title, company) Attach additional sheet if necessary: Brian Chin, Director, Bank of America Merrill Lynch Research and 15 institutional equity investors yet to be determined.

Proposed date/time of meeting: 3/25/14 from 10:30-11:00am
In Person (x) By phone ( )

Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646 855 3753

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

Name: Attachment1

From: Apgar, John - RSCH AMRS
To: am3@cpuc.ca.gov
Sent: 3/20/2014 11:03:09 AM
Subject: RE: 3/25/14 meeting

Anna Marie,

Can you also provide the room number for the meeting?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 5:57 PM
To: 'am3@cpuc.ca.gov'
Subject: 3/25/14 meeting

Hi Anna Marie,

Just reaching out to confirm our meeting with Paul on 3/25/14 from 11:30-12:00. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

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From: Madrigal, Anna-Marie
To: 'Apgar, John - RSCH AMRS'
Sent: 3/20/2014 11:06:03 AM
Subject: RE: 3/25/14 meeting

Yes, Room 5305.
You will check in downstairs and they will call up here.
Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Thursday, March 20, 2014 11:03 AM
To: Madrigal, Anna-Marie
Subject: RE: 3/25/14 meeting

Anna Marie,

Can you also provide the room number for the meeting?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 5:57 PM
To: 'am3@cpuc.ca.gov'
Subject: 3/25/14 meeting

Hi Anna Marie,

Just reaching out to confirm our meeting with Paul on 3/25/14 from 11:30-12:00. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment

Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

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From: Apgar, John - RSCH AMRS
To: jdb@cpuc.ca.gov
Sent: 3/20/2014 11:07:41 AM
Subject: RE: 3/25/14 meeting

Hi Joan,

According to the confirmation you sent to Mary, we are meeting in room 5209. Is that the correct room number, or has it changed? I only asked because she said you had to find a larger room to accommodate our group.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 1:54 PM
To: 'jdb@cpuc.ca.gov'
Cc: 'Titler, Mary K'
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036

(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 3/20/2014 11:08:31 AM
Subject: RE: 3/25/14 meeting

Excellent. Thanks Anna-Marie.

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, March 20, 2014 2:06 PM
To: Apgar, John - RSCH AMRS
Subject: RE: 3/25/14 meeting

Yes, Room 5305.
You will check in downstairs and they will call up here.
Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Thursday, March 20, 2014 11:03 AM
To: Madrigal, Anna-Marie
Subject: RE: 3/25/14 meeting

Anna Marie,

Can you also provide the room number for the meeting?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 5:57 PM
To: 'am3@cpuc.ca.gov'
Subject: 3/25/14 meeting

Hi Anna Marie,

Just reaching out to confirm our meeting with Paul on 3/25/14 from 11:30-12:00. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp

Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

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From: Apgar, John - RSCH AMRS
To: jdb@cpuc.ca.gov
Sent: 3/21/2014 1:10:43 PM
Subject: RE: 3/25/14 meeting

Hi Joan,

The final attendee list for our meeting with Sepideh and Rachel is below. According to the confirmation you sent to Mary Titler, we are meeting in room 5209. Is that the correct room number, or has it changed?

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, March 20, 2014 2:08 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

According to the confirmation you sent to Mary, we are meeting in room 5209. Is that the correct room number, or has it changed? I only asked because she said you had to find a larger room to accommodate our group.

Thank you,

John Apgar, CFA

Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 1:54 PM
To: 'jdb@cpuc.ca.gov'
Cc: 'Titler, Mary K'
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
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John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Madrigal, Anna-Marie
Sent: 3/21/2014 1:12:24 PM
Subject: RE: 3/25/14 meeting

Hi Anna Marie,
The final attendee list for our meeting is below.

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, March 20, 2014 2:06 PM
To: Apgar, John - RSCH AMRS
Subject: RE: 3/25/14 meeting

Yes, Room 5305.
You will check in downstairs and they will call up here.
Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue

San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Thursday, March 20, 2014 11:03 AM
To: Madrigal, Anna-Marie
Subject: RE: 3/25/14 meeting

Anna Marie,

Can you also provide the room number for the meeting?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 5:57 PM
To: 'am3@cpuc.ca.gov'
Subject: 3/25/14 meeting

Hi Anna Marie,

Just reaching out to confirm our meeting with Paul on 3/25/14 from 11:30-12:00. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

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From: DeBorja, Jovi
To: john.apgar@baml.com
Sent: 3/21/2014 1:12:36 PM
Subject: RE: 3/25/14 meeting

Please remove my email address from your distribution list.

Thanks

Jovi DeBorja
CPUC-Network Administrator
Sent via the Samsung Galaxy S™III, an AT&T 4G LTE smartphone

-------- Original message --------
From: "Apgar, John - RSCH AMRS" <john.apgar@baml.com>
Date: 03/21/2014 1:10 PM (GMT-08:00)
To: "DeBorja, Jovi" <jovi.deborja@cpuc.ca.gov>
Subject: RE: 3/25/14 meeting

Hi Joan,

The final attendee list for our meeting with Sepideh and Rachel is below. According to the confirmation you sent to Mary Titler, we are meeting in room 5209. Is that the correct room number, or has it changed?

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl

New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, March 20, 2014 2:08 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

According to the confirmation you sent to Mary, we are meeting in room 5209. Is that the correct room number, or has it changed? I only asked because she said you had to find a larger room to accommodate our group.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 1:54 PM
To: 'jdb@cpuc.ca.gov'
Cc: 'Titler, Mary K'
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA

Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: Mosbaugh, Scott; Fernandez, Cristine
Sent: 3/21/2014 1:13:43 PM
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,
The final attendee list for or meeting is below.

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, March 18, 2014 2:03 PM
To: Apgar, John - RSCH AMRS; Fernandez, Cristine
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

You are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Tuesday, March 18, 2014 11:00 AM
To: Fernandez, Cristine
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Christine,
Just sending an email to confirm our meeting next week with Melicia Charles, Jennifer Kalafut and Niki Bawa from 10:30-11:00am on March 25th. The confirmed attendee list is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Monday, February 24, 2014 6:43 PM
To: 'Fernandez, Cristine'
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Christine,
The completed meeting request form is attached. I'll provide a preliminary attendee list and topics we intend to discuss shortly.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, February 24, 2014 4:00 PM
To: Apgar, John - RSCH AMRS
Cc: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hello John, please fill out the attached form and I will schedule a meeting with our staff. Thank you.

From: Mosbaugh, Scott
Sent: Monday, February 24, 2014 12:50 PM
To: Apgar, John - RSCH AMRS
Cc: Fernandez, Cristine
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Actually there is 1 small thing. Since this is going to be handled by the advisors, I need to hand you over to my co-worker, Cristine Fernandez, who handles scheduling for the advisors. I've advised her of your needs. She can be reached at cmf@cpuc.ca.gov.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 12:44 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Great, I'll mark our calendar. I'll come back to you shortly with a list of attendees and topics we would like to discuss. Is there anything else you need from me at the moment?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:41 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Yes, their calendars are open at that time.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]

Sent: Monday, February 24, 2014 12:33 PM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Okay, no worries. It would be great if we could meet with her other advisors you listed below. Are they available from 11:00-11:30am?

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 3:25 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

It looks like both Commissioner Peterman and Julie will be out that week, but we can get you into see our other advisors, Melicia Charles, Jennifer Kalafut and Niki Bawa.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 10:24 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Excellent, thanks Scott. We would be looking for a 30 minute meeting, preferably beginning at 11:00am if that works. Although we do have some flexibility on the time.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, February 24, 2014 1:20 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

We found out Friday afternoon that she definitely won't be in the office on 3/25. Julie should be though. I'll run this by her and get back to you today.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, February 24, 2014 9:59 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

I just called and left a voicemail. Just wanted to check in to see if Commissioner Peterman is available for a meeting

with us March 25th? Last we spoke there was a chance she was going to be out that day, but you weren't absolutely certain. If Commissioner Peterman is not available, would her Chief of Staff be able to meet with us?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:42 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi John,

At this time she won't be available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:35 AM
To: Mosbaugh, Scott
Subject: RE: Request for meeting on 3/25/14: Comr. Peterman

Hi Scott,

My apologies, I failed to update my notes on the change in Commissioners. Is Commissioner Peterman available for a meeting on March 25th?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 12:28 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Request for meeting on 3/25/14: Comr. Simon

Hello John,

Commissioner Simon is no longer with us.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Monday, January 06, 2014 9:26 AM
To: Mosbaugh, Scott; phyllis.white@cpuc.ca.gov
Subject: Request for meeting on 3/25/14: Comr. Simon

Good morning,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Commissioner Simon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Room 5209 on behalf of Mosbaugh, Scott
To: Charles, Melicia; Bawa, Niki; Apgar, John - RSCH AMRS
CC: Fernandez, Cristine; Fitch, Julie A.
Sent: 3/21/2014 1:17:25 PM
Subject: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments: Attachment1

Today's Date: 2/24/14

Person (and entity) requesting meeting: Brian Chin, Bank of America Merrill Lynch Research

Docket # and Short Name: N/A

Reason for the meeting: General discussion on electric and gas regulatory environment in California.

Industry: Energy (x) Telecommunications ( ) Transportation ( ) Water ( )

Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (x)

Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x)
If yes, please indicate the date of the Commission meeting:

Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)

Attendees (name, title, company) Attach additional sheet if necessary: Brian Chin, Director, Bank of America Me
Research and 15 institutional equity investors yet to be determined.

Proposed date/time of meeting: 3/25/14 from 10:30-11:00am
In Person (x) By phone ( )

Contact name, phone, e-mail: John Apgar, Bank of America Merrill Lynch Research, john.apgar@baml.com, 646

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

Name: Attachment1

From:	Apgar, John - RSCH AMRS
To:	Room 5209
Sent:	3/21/2014 1:18:00 PM
Subject:	Accepted: Meeting with Brian Chin, Bank of America Merrill Lynch Research
Attachments:	Attachment1

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Name: Attachment1

From: Apgar, John - RSCH AMRS
To: Dahlgren, Joan (joan.dahlgren@cpuc.ca.gov)
Sent: 3/21/2014 1:34:46 PM
Subject: RE: 3/25/14 meeting

Hi Joan,

It looks like I had the wrong email address in the below emails intended for you. Anyhow, just reaching out to confirm our meeting next week and provide you with a final list of attendees. Please see below.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Friday, March 21, 2014 4:11 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

The final attendee list for our meeting with Sepideh and Rachel is below. According to the confirmation you sent to Mary Titler, we are meeting in room 5209. Is that the correct room number, or has it changed?

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl

New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, March 20, 2014 2:08 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

According to the confirmation you sent to Mary, we are meeting in room 5209. Is that the correct room number, or has it changed? I only asked because she said you had to find a larger room to accommodate our group.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 1:54 PM
To: 'jdb@cpuc.ca.gov'
Cc: 'Titler, Mary K'
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA

Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
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John.apgar@baml.com

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From: Dahlgren, Joan
To: Apgar, John - RSCH AMRS
CC: Khosrowjah, Sepideh
Sent: 3/21/2014 1:39:29 PM
Subject: RE: 3/25/14 meeting

Hi John,

Thank you for supplying a final list of your attendees. Yes, you will be meeting with Sepideh in Room 5209. We look forward to seeing you at 10:00 on the 25th.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Friday, March 21, 2014 1:35 PM
To: Dahlgren, Joan
Subject: RE: 3/25/14 meeting

Hi Joan,

It looks like I had the wrong email address in the below emails intended for you. Anyhow, just reaching out to confirm our meeting next week and provide you with a final list of attendees. Please see below.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Friday, March 21, 2014 4:11 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

The final attendee list for our meeting with Sepideh and Rachel is below. According to the confirmation you sent to Mary Titler, we are meeting in room 5209. Is that the correct room number, or has it changed?

Thanks,
John

Meeting Location	Name	Company	Email

West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, March 20, 2014 2:08 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

According to the confirmation you sent to Mary, we are meeting in room 5209. Is that the correct room number, or has it changed? I only asked because she said you had to find a larger room to accommodate our group.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 1:54 PM
To: 'jdb@cpuc.ca.gov'
Cc: 'Titler, Mary K'
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

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John.apgar@baml.com

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From:	Apgar, John - RSCH AMRS
To:	Dahlgren, Joan
CC:	Khosrowjah, Sepideh
Sent:	3/21/2014 1:40:38 PM
Subject:	RE: 3/25/14 meeting

Great. Thank you Joan.

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Friday, March 21, 2014 4:39 PM
To: Apgar, John - RSCH AMRS
Cc: Khosrowjah, Sepideh
Subject: RE: 3/25/14 meeting

Hi John,

Thank you for supplying a final list of your attendees. Yes, you will be meeting with Sepideh in Room 5209. We look forward to seeing you at 10:00 on the 25th.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Friday, March 21, 2014 1:35 PM
To: Dahlgren, Joan
Subject: RE: 3/25/14 meeting

Hi Joan,

It looks like I had the wrong email address in the below emails intended for you. Anyhow, just reaching out to confirm our meeting next week and provide you with a final list of attendees. Please see below.

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Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Friday, March 21, 2014 4:11 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

The final attendee list for our meeting with Sepideh and Rachel is below. According to the confirmation you sent to Mary Titler, we are meeting in room 5209. Is that the correct room number, or has it changed?

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Thursday, March 20, 2014 2:08 PM
To: 'jdb@cpuc.ca.gov'
Subject: RE: 3/25/14 meeting

Hi Joan,

According to the confirmation you sent to Mary, we are meeting in room 5209. Is that the correct room number, or has it changed? I only asked because she said you had to find a larger room to accommodate our group.

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 1:54 PM
To: 'jdb@cpuc.ca.gov'
Cc: 'Titler, Mary K'
Subject: 3/25/14 meeting

Hi Joan,

Mary Titler has a meeting with Sepideh and Rachel on March 25th from 10:00-10:30am and said you were able to find a room large enough to accommodate our group. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc
Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Madrigal, Anna-Marie
To: 'Apgar, John - RSCH AMRS'
Sent: 3/21/2014 1:58:15 PM
Subject: RE: 3/25/14 meeting

Thank you

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Friday, March 21, 2014 1:12 PM
To: Madrigal, Anna-Marie
Subject: RE: 3/25/14 meeting

Hi Anna Marie,
The final attendee list for our meeting is below.

Thanks,
John

Meeting Location	Name	Company	Email
West Coast	Apgar, John	Bank of America Merrill Lynch & Co	john.apgar@baml.com
West Coast	Brazinski, Brian	Bank of America Merrill Lynch & Co	brian.brazinski@baml.com
West Coast	Chin, Brian	Bank of America Merrill Lynch & Co	brian.chin@baml.com
West Coast	Quinn, Peter	Bank of America Merrill Lynch & Co	peter.d.quinn@baml.com
West Coast	Gay, Andrew	Carlson Capital Lp	agay@carlsoncapital.com
West Coast	Titler, Mary	Columbia Management	mary.k.titler@columbiamanagement.com
West Coast	Senchak, Scott	Decade Capital Partners, Ltd.	scott.senchak@decade-llc.com
West Coast	Brown, Joyolin	Duff & Phelps Investment Management	joyolin.brown@dpimc.com
West Coast	Casey, Jeremiah	Eaton Vance Management	jcasey@eatonvance.com
West Coast	Goldenberg, Michael	Luminus Management,Llc	mgoldenberg@luminusmgmt.com
West Coast	Yim, Philson	Luminus Management,Llc	pyim@luminusmgmt.com
West Coast	Klein, Barry	Macquarie Investment Management Ltd	barry.klein@macquarie.com
West Coast	Appicelli, Bill	Nexus Asset Management Llc	bill@nexusamllc.com
West Coast	Cole, Kevin	Peak6 Investments, Lp	kcole@peak6.com
West Coast	Bhatnagar, Akshay	Tph Asset Management Llc	abhatnagar@tphassetmanagement.com
West Coast	Kuschnir, Diego	Tph Asset Management Llc	dkuschnir@tphassetmanagement.com

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, March 20, 2014 2:06 PM
To: Apgar, John - RSCH AMRS
Subject: RE: 3/25/14 meeting

Yes, Room 5305.
You will check in downstairs and they will call up here.
Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Apgar, John - RSCH AMRS [mailto:john.apgar@baml.com]
Sent: Thursday, March 20, 2014 11:03 AM
To: Madrigal, Anna-Marie
Subject: RE: 3/25/14 meeting

Anna Marie,

Can you also provide the room number for the meeting?

Thank you,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

From: Apgar, John - RSCH AMRS
Sent: Tuesday, March 18, 2014 5:57 PM
To: 'am3@cpuc.ca.gov'
Subject: 3/25/14 meeting

Hi Anna Marie,

Just reaching out to confirm our meeting with Paul on 3/25/14 from 11:30-12:00. The confirmed list of attendees is below. Please let me know if you need anything else.

Name	Company
Gay, Andrew	Carlson Capital Lp
Titler, Mary	Columbia Management
Senchak, Scott	Decade Capital Partners, Ltd.
Brown, Joyolin	Duff & Phelps Investment
Casey, Jeremiah	Eaton Vance Management
Yim, Philson	Luminus Management,Llc
Yim, Philson	Luminus Management,Llc
Klein, Barry	Macquarie Investment
Appicelli, Bill	Nexus Asset Management Llc

Lindroth, Wen Wen	Pacific Life Insurance
Bhatnagar, Akshay	Tph Asset Management Llc
Kuschnir, Diego	Tph Asset Management Llc
Brian Chin	Bank of America
John Apgar	Bank of America
Brian Brazinski	Bank of America

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(646) 855-3753
John.apgar@baml.com

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From: Apgar, John - RSCH AMRS
To: skh@cpuc.ca.gov
Sent: 3/26/2014 3:57:06 PM
Subject: Thank you for the meeting yesterday

Hi Sepideh,

We greatly appreciate your meeting with our group yesterday. Just one follow up question for you. I believe you said yesterday that the parties involved in the settlement conference would have a minimum of 10 days to review any settlement agreement reached before a proposed settlement could be filed publicly. Did I interpret that right?

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

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From: Khosrowjah, Sepideh
To: Apgar, John - RSCH AMRS
Sent: 3/26/2014 4:00:31 PM
Subject: RE: Thank you for the meeting yesterday

This is what Rachel said. The truth of the matter is that any group of partties can file a settlement at any time and others may join or not join. It's the Commission discretion to determine if the settlement is in public interest or not.

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Apgar, John - RSCH AMRS"
Date:03/26/2014 3:57 PM (GMT-08:00)
To: "Khosrowjah, Sepideh"
Subject: Thank you for the meeting yesterday

Hi Sepideh,

We greatly appreciate your meeting with our group yesterday. Just one follow up question for you. I believe you said yesterday that the parties involved in the settlement conference would have a minimum of 10 days to review any settlement agreement reached before a proposed settlement could be filed publicly. Did I interpret that right?

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From: Apgar, John - RSCH AMRS
To: Khosrowjah, Sepideh
Sent: 3/26/2014 4:03:11 PM
Subject: RE: Thank you for the meeting yesterday

Thanks, Sepideh. So there is no hard and fast 10 day rule, where we would have to wait 10 days to see a settlement filed if one was reached?

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Wednesday, March 26, 2014 4:01 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Thank you for the meeting yesterday

This is what Rachel said. The truth of the matter is that any group of partties can file a settlement at any time and others may join or not join. It's the Commission discretion to determine if the settlement is in public interest or not.

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From: Khosrowjah, Sepideh
To: Apgar, John - RSCH AMRS
Sent: 3/26/2014 4:04:03 PM
Subject: RE: Thank you for the meeting yesterday

Kg

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Apgar, John - RSCH AMRS"
Date:03/26/2014 4:03 PM (GMT-08:00)
To: "Khosrowjah, Sepideh"
Subject: RE: Thank you for the meeting yesterday

Thanks, Sepideh. So there is no hard and fast 10 day rule, where we would have to wait 10 days to see a settlement filed if one was reached?

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Wednesday, March 26, 2014 4:01 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Thank you for the meeting yesterday

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From: Khosrowjah, Sepideh
To: Apgar, John - RSCH AMRS
Sent: 3/26/2014 4:07:20 PM
Subject: RE: Thank you for the meeting yesterday

Yes, look at the rules of practice and procedures section 12.
Yes, no hard and fast 10 day rule.

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Apgar, John - RSCH AMRS"
Date:03/26/2014 4:03 PM (GMT-08:00)
To: "Khosrowjah, Sepideh"
Subject: RE: Thank you for the meeting yesterday

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From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Wednesday, March 26, 2014 4:01 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Thank you for the meeting yesterday

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From: Apgar, John - RSCH AMRS
To: Khosrowjah, Sepideh
Sent: 3/26/2014 4:13:29 PM
Subject: RE: Thank you for the meeting yesterday

Understood

From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Wednesday, March 26, 2014 4:07 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Thank you for the meeting yesterday

Yes, look at the rules of practice and procedures section 12.
Yes, no hard and fast 10 day rule.

Sent from my Verizon Wireless 4G LTE Smartphone

-------- Original message --------
From: "Apgar, John - RSCH AMRS"
Date:03/26/2014 4:03 PM (GMT-08:00)
To: "Khosrowjah, Sepideh"
Subject: RE: Thank you for the meeting yesterday

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Sent: Wednesday, March 26, 2014 4:01 PM
To: Apgar, John - RSCH AMRS
Subject: RE: Thank you for the meeting yesterday

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Date:03/26/2014 3:57 PM (GMT-08:00)
To: "Khosrowjah, Sepideh"
Subject: Thank you for the meeting yesterday

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From: Doza, Hasan
To: 'sst@cpuc.ca.gov'
Sent: 3/3/2011 8:15:14 AM
Subject: Catching up ...

Hey Stephen,

Hope all is well. If you have a quick moment either today or tomorrow, would be great to catch up. I know you are probably very busy with the transition, so won't take a lot of your time.

Pls feel free to give me a buzz at your convenience.

Reg,

Hasan Doza, CFA
Citi Investment Research
Electric Utilities
388 Greenwich Street
New York, NY 10013
Tel: 212.816.3751
hasan.doza@citi.com

Citi Power/Utility Conference to be held on June 1st & 2nd in Boston

From: Doza, Hasan
To: 'St. Marie, Stephen'
Sent: 3/3/2011 10:21:27 AM
Subject: RE: Catching up ...

Perfect, greatly appreciate the follow-up.

Let's stay in touch.

Reg,
Hasan

-----Original Message-----
From: St. Marie, Stephen [mailto:stephen.stmarie@cpuc.ca.gov]
Sent: Thursday, March 03, 2011 1:19 PM
To: Doza, Hasan [ICG-CIRA]
Subject: RE: Catching up ...

Hasan, nice to talk w you.
Here are the names and contact info for the five Chiefs:

For President Peevey,
Carol Brown, cab@cpuc.ca.gov, 415-703-2971

For Commissioner Simon,
Kenneth Koss, klk@cpuc.ca.gov, 415-703-1463

For Commissioner Florio,
Angela Minkin, ang@cpuc.ca.gov, 415-703-1573

For Commissioner Sandoval,
Philip Weismehl, psw@cpuc.ca.gov, 415-703-2314

Best wishes,
-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-516-7961 (mobile)
sst@cpuc.ca.gov

-----Original Message-----
From: Doza, Hasan [mailto:hasan.doza@citi.com]
Sent: Thursday, March 03, 2011 8:15 AM
To: St. Marie, Stephen
Subject: Catching up ...

Hey Stephen,

Hope all is well. If you have a quick moment either today or tomorrow, would be great to catch up. I know you are probably very busy with the transition, so won't take a lot of your time.

Pls feel free to give me a buzz at your convenience.

Reg,

Hasan Doza, CFA
Citi Investment Research
Electric Utilities
388 Greenwich Street
New York, NY 10013
Tel: 212.816.3751
hasan.doza@citi.com

Citi Power/Utility Conference to be held on June 1st & 2nd in Boston

From: Khan, Faisel
Sent: 5/3/2011 3:36:56 PM
Subject: 2011 Citi Power, Gas and Utilities Conference in Boston
Attachments: Agenda - 2011 Citi Power and Gas Conference.pdf

We are pleased to invite you to attend our **2011 Citi Power and Gas Conference** taking place **June 1-2, 2011** at the Mandarin Oriental Boston.

Attached please find the latest agenda and list of Presenting Companies. Meeting requests are due on Monday, May 2nd. Please numerically rank your requests and include any time constraints you may have.

Please click on the link below for more information and to register:
https://www.citievents.com/Metron/forms/2011PowerGasClient.form
If you have problems clicking on the above link please copy and paste the URL in your web browser.

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Mandarin Oriental, Boston
Oriental Ballroom
776 Boylston Street
Boston, MA 02199

2011 Citi Power and Gas Conference

Mandarin Oriental, Boston

June 1-2, 2011

Wednesday, June 1, 2011			
	Company	*Ticker*	*Speaker (s)*
7:30 AM	**Breakfast and Conference Registration - Oriental Gallery**		
8:00 AM	**Keynote** TBD		
8:45 AM	**Power Supply and Demand Panel**		
	Entergy Corporation	ETR	Rick Smith, President, Entergy Wholesale Commodities
	First Energy Corp.	FE	Anthony J. Alexander, President & CEO
9:30 AM	**Gas Supply & Demand Panel**		
	AGL Resources	AGL	Drew Evans, CFO
	Cheniere Energy, Inc.	LNG	TBD
	Williams Companies, Inc.	WMB	Alan Armstrong, President & CEO
10:15 AM	*Break*		
10:30 AM	**Environmental Panel**		
	Calpine Corporation	CPN	Jack Fusco, President & CEO
	NiSource Inc.	NI	TBD
	Southern Company	SO	Paul Bowers, President & CEO of Georgia Power
11:15 AM	**Pipeline Integrity & Replacement Panel**		
	New Jersey Resources Corporation	NJR	Larry Downes, CEO Glenn Lockwood, CFO
	Sempra Energy	SRE	Mark Snell, EVP & CFO
12:15 PM	**Luncheon Keynote** TBD		
1:45 PM	**The GRID Panel**		
	DTE Energy Company	DTE	David W. Broome, Director, Customer Marketing
	Consolidated Edison Inc	ED	Robert Hoglund, SVP & CFO
	PG&E Corporation (Pacific Gas & Electric)	PCG	Kent Harvey, SVP & CFO
2:30 PM	**Keynote** TBD		
3:15 PM	**Future Power Portfolio Panel**		
	Constellation Energy	CEG	Jonathan Thayer, SVP & CFO
	Tennessee Valley Authority	-	Andrew Kosnaski, VP, System Planning & Analysis
4:00 PM	**Gas Transportation & Storage Panel**		
	El Paso Corporation	EP	J.R. Sult, CFO
	MDU Resources Group, Inc.	MDU	Terry Hildestad, President & CEO
	Spectra Energy Corp.	SE	Bill Yardley, Group VP, Transmission – Northeast

*** The following company will only be hosting 1-1 meetings:**

CenterPoint Energy, Inc.	CNP	David McClanahan, President & CEO
UGI Corporation	UGI	Bob Flexon, CFO

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Mandarin Oriental, Boston
Oriental Ballroom
776 Boylston Street
Boston, MA 02199

2011 Citi Power and Gas Conference

June 1-2, 2011

Mandarin Oriental, Boston

Thursday, June 2, 2011			
	Company	*Ticker*	*Speaker (s)*
7:30 AM	**Breakfast and Conference Registration - Oriental Gallery**		
8:00 AM	**Retail Shopping Panel**		
	American Electric Power, Inc.	AEP	Brian X. Tierney, EVP & CFO
	Public Service Enterprise Group - PSEG	PEG	Ralph Izzo, Chairman of the Board, President & CEO
8:45 AM	**Gathering & Processing Panel**		
	EQT Corporation	EQT	Randy Crawford, SVP EQT, & President Midstream, Distribution & Commercial
	Kinder Morgan Inc.	KMI	Steve Kean, COO
	ONEOK Partners	OKE	Rob Martinovich, SVP & CFO
9:30 AM	**Capital Allocation Panel**		
	Duke Energy Corporation	DUK	Lynn Good, CFO
	Pinnacle West Capital Corporation	PNW	Donald E. Brandt, Chairman, President & CEO
	Progress Energy, Inc.	PGN	Mark Mulhern, CFO
10:15 AM	*Break*		
10:30 AM	**Coal vs. Gas Panel**		
	Dominion Resources, Inc.	D	Mark McGettrick, CFO
	Integrys Energy Group, Inc.	TEG	Charlie Schrock, Chairman, President & CEO
	Questar Corporation	STR	Ron Jibson, President & CEO
	Vectren Corporation	VVC	Carl Chapman, President & CEO
11:15 AM	**State Regulatory Policy/ Regulated Risk Panel**		
	Atmos Energy Corporation	ATO	Mr. Kim Cocklin, President & CEO
	Edison International	EIX	Theodore F. Craver, Jr., President & CEO
	Westar Energy, Inc.	WR	Doug Sterbenz, EVP & COO Tony Somma, VP, Treasurer
12:15 PM	**Luncheon Panel** **Citi Investment Banking**		

From: Khan, Faisel on behalf of Fediuk, Stan [ICG-CIRA]
Sent: 5/9/2011 9:36:45 AM
Subject: Citi Power and Gas Conference, June 1-2, 2011 - Updated Agenda
Attachments: Agenda - 2011 Citi Power and Gas Conference as of 5-06-11.pdf

To All,

Please see the attached updated agenda for the Citi Power and Gas Conference, June 1-2, 2011.

Regards,
Stan

Stan Fediuk
Senior Associate | Integrated Oil & Gas Research
Citi Investment Research
388 Greenwich Street, 28th floor
New York, New York 10013
Phone:(212) 816-3626
stan.fediuk@citi.com

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2011 Citi Power and Gas Conference

Mandarin Oriental, Boston

June 1-2, 2011

Mandarin Oriental, Boston
Oriental Ballroom
776 Boylston Street
Boston, MA 02199

Wednesday, June 1, 2011

7:30 AM	Breakfast and Conference Registration - Oriental Gallery		
8:30 AM	Welcome and Opening Remarks - Oriental Ballroom		
8:45 AM	***Power Supply and Demand Panel***		
	Entergy Corporation	ETR	Rick Smith, President, Entergy Wholesale Commodities
	First Energy Corp.	FE	Anthony J. Alexander, President & CEO
9:30 AM	***Gas Supply & Demand Panel***		
	AGL Resources	AGL	Drew Evans, CFO
	Cheniere Energy, Inc.	LNG	Davis Thames, President Cheniere Marketing
	Williams Companies, Inc.	WMB	Rory Miller, President of Midstream, Sr. VP of Williams
10:15 AM	Break		
10:30 AM	***Environmental Panel***		
	Exelon Corporation	EXC	Joe Dominguez, SVP, Federal Regulatory Affairs & Public Policy
	NiSource Inc.	NI	TBD
	PG&E Corporation (Pacific Gas & Electric)	PCG	Kent Harvey, SVP & CFO
11:15 AM	***Pipeline Integrity & Replacement Panel***		
	New Jersey Resources Corporation	NJR	Larry Downes, CEO Glenn Lockwood, CFO
	Sempra Energy	SRE	Mark Snell, EVP & CFO
12:15 PM	***Luncheon Keynote: Charlie Cook, Editor and Publisher of The Cook Political Report and Columnist for the National Journal***		
1:45 PM	***The GRID Panel***		
	Consolidated Edison Inc	ED	Robert Hoglund, SVP & CFO
	DTE Energy Company	DTE	David W. Broome, Director, Customer Marketing
2:30 PM	***Keynote Speaker: Ed Morse, Citi's Global Head of Commodities Research***		
3:15 PM	***Future Power Portfolio Panel***		
	Constellation Energy	CEG	Jonathan Thayer, SVP & CFO
	Tennessee Valley Authority	-	Andrew Kosnaski, VP, System Planning & Analysis
4:00 PM	***Gas Transportation & Storage Panel***		
	El Paso Corporation	EP	J.R. Sult, CFO
	MDU Resources Group, Inc.	MDU	Terry Hildestad, President & CEO
	Spectra Energy Corp.	SE	Bill Yardley, Group VP, Transmission – Northeast

** The following companies will only be hosting 1-1 meetings:*

CenterPoint Energy, Inc.	CNP	David McClanahan, President & CEO
UGI Corporation	UGI	Bob Flexon, CFO

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2011 Citi Power and Gas Conference

Mandarin Oriental, Boston

June 1-2, 2011

Mandarin Oriental, Boston
Oriental Ballroom
776 Boylston Street
Boston, MA 02199

Thursday, June 2, 2011

7:30 AM	Breakfast and Conference Registration - Oriental Gallery		
8:00 AM	***Retail Shopping Panel***		
	Duke Energy Corporation	DUK	Lynn Good, CFO
	Public Service Enterprise Group - PSEG	PEG	Ralph Izzo, Chairman of the Board, President & CEO
8:45 AM	***Gathering & Processing Panel***		
	EQT Corporation	EQT	Randy Crawford, SVP EQT, & President Midstream, Distribution & Commercial
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	Questar Corporation	STR	Ron Jibson, President & CEO
	Vectren Corporation	VVC	Carl Chapman, President & CEO
11:15 AM	***State Regulatory Policy/ Regulated Risk Panel***		
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	Edison International	EIX	Theodore F. Craver, Jr., President & CEO
	Southern Company	SO	Paul Bowers, President & CEO of Georgia Power
	Westar Energy, Inc.	WR	Doug Sterbenz, EVP & COO and Tony Somma, VP, Treasurer
12:15 PM	***Luncheon Panel: Citi Investment Banking***		

From: Apgar, John A
To: 'cab@cpuc.ca.gov'
Sent: 6/14/2011 12:28:21 PM
Subject: Meeting in Mid-September

Hi Carol,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately of course). We are hoping to have the trip the week of September 11th and it would be ideal for us to setup meetings with the Commissioners on the 13th or 14th. The timing is tentative at this point and we are flexible. Can you please call me when you have a moment to discuss.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

- 2nd Annual "SEC" Tour SO/ETR/NEE Field Trip, August 15-17, Atlanta/New Orleans/Juno Beach
- Ohio (FE/PUCO/DUK/AEP) Field Trip, August 29-30, Akron & Columbus, Ohio

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From: Apgar, John A
To: 'klk@cpuc.ca.gov'
Sent: 6/16/2011 9:36:35 AM
Subject: Meeting in Mid-September

Hi Ken,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Simon and the other Commissioners (separately of course). Please let us know if Commissioner Simon would be willing to meet with us and if he has availability in mid-September.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Koss, Kenneth L.
To: john.a.apgar@citi.com; White, Phyllis R.
Sent: 6/16/2011 11:13:28 AM
Subject: Re: Meeting in Mid-September

Mr Agar - I've copied Phyllis White above - she now is Cmsr Simon's Chief of Staff.
Regards, Ken Koss

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, June 16, 2011 09:36 AM
To: Koss, Kenneth L.
Subject: Meeting in Mid-September

Hi Ken,

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From: Apgar, John A
To: 'Koss, Kenneth L.'; 'White, Phyllis R.'
Sent: 6/16/2011 3:34:48 PM
Subject: RE: Meeting in Mid-September

Thank you for forwarding my message along, Ken.

Phyllis,

As per my email below, we are planning a Southwest Investor tour in September and will be visiting with Senior Management of all 3 major Utilities in California. We would very much like to meet with Commissioner Simon if he is available while we are in town. We will likely be in San Francisco September 13th, but the schedule is still tentative at this point and we are flexible. Please let me know if you have some time to discuss tomorrow or next week.

Thanks,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

- 2nd Annual "SEC" Tour SO/ETR/NEE Field Trip, August 15-17, Atlanta/New Orleans/Juno Beach
- Ohio (FE/PUCO/DUK/AEP) Field Trip, August 29-30, Akron & Columbus, Ohio

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From: Koss, Kenneth L. [mailto:kenneth.koss@cpuc.ca.gov]
Sent: Thursday, June 16, 2011 2:13 PM
To: Apgar, John A [ICG-CIRA]; White, Phyllis R.
Subject: Re: Meeting in Mid-September

Mr Agar - I've copied Phyllis White above - she now is Cmsr Simon's Chief of Staff.
Regards, Ken Koss

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, June 16, 2011 09:36 AM
To: Koss, Kenneth L.
Subject: Meeting in Mid-September

Hi Ken,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Simon and the other Commissioners (separately of course). Please let us know if Commissioner Simon would be willing to meet with us and if he has availability in mid-September.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: White, Phyllis R.
To: Apgar, John A
CC: Rothchild, Ann Christina
Sent: 6/16/2011 4:17:16 PM
Subject: RE: Meeting in Mid-September

Hello, Commissioner Simon's calendar looks at present to be full on Sep 13. It may open up however so if you'll complete and return our office's meeting request form, we'll reserve a time slot for you.

By copy of this email I am asking Ann Christina to forward the form to you.

Regards

Phyllis R. White, Chief of Staff
Commissioner Timothy A. Simon
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102-3298
Tele: (415) 703-1955
Email: prw@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, June 16, 2011 3:35 PM
To: Koss, Kenneth L.; White, Phyllis R.
Subject: RE: Meeting in Mid-September

Thank you for forwarding my message along, Ken.

Phyllis,

As per my email below, we are planning a Southwest Investor tour in September and will be visiting with Senior Management of all 3 major Utilities in California. We would very much like to meet with Commissioner Simon if he is available while we are in town. We will likely be in San Francisco September 13th, but the schedule is still tentative at this point and we are flexible. Please let me know if you have some time to discuss tomorrow or next week.

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John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Koss, Kenneth L. [mailto:kenneth.koss@cpuc.ca.gov]
Sent: Thursday, June 16, 2011 2:13 PM
To: Apgar, John A [ICG-CIRA]; White, Phyllis R.
Subject: Re: Meeting in Mid-September

Mr Agar - I've copied Phyllis White above - she now is Cmsr Simon's Chief of Staff.
Regards, Ken Koss

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, June 16, 2011 09:36 AM
To: Koss, Kenneth L.
Subject: Meeting in Mid-September

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Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

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From: Apgar, John A
To: 'Rothchild, Ann Christina'
CC: 'White, Phyllis R.'
Sent: 6/20/2011 12:11:11 PM
Subject: RE: Please complete the meeting request form and return it to me (acr@cpuc.ca.gov)
Attachments: Brian Chin Bio.doc; Faisel Khan Bio.doc; Request for Meeting (Comr Simon).doc

Hi Ann Christina,

The completed meeting request form is attached. Please note that we have requested meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. Please let me know if you need anything else from us.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

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From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Thursday, June 16, 2011 7:30 PM
To: Apgar, John A [ICG-CIRA]
Cc: White, Phyllis R.
Subject: Please complete the meeting request form and return it to me (acr@cpuc.ca.gov)

Please complete the meeting request form and return it to me, acr@cpuc.ca.gov

Thank you,

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)
(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

From: White, Phyllis R.
Sent: Thursday, June 16, 2011 4:17 PM
To: 'Apgar, John A '
Cc: Rothchild, Ann Christina
Subject: RE: Meeting in Mid-September

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By copy of this email I am asking Ann Christina to forward the form to you.

Regards

Phyllis R. White, Chief of Staff
Commissioner Timothy A. Simon
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102-3298
Tele: (415) 703-1955
Email: prw@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, June 16, 2011 3:35 PM
To: Koss, Kenneth L.; White, Phyllis R.
Subject: RE: Meeting in Mid-September

Thank you for forwarding my message along, Ken.

Phyllis,

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Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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To: Apgar, John A [ICG-CIRA]; White, Phyllis R.
Subject: Re: Meeting in Mid-September

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Regards, Ken Koss

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, June 16, 2011 09:36 AM
To: Koss, Kenneth L.
Subject: Meeting in Mid-September

Hi Ken,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Simon and the other Commissioners (separately of course). Please let us know if Commissioner Simon would be willing to meet with us and if he has availability in mid-September.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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Brian Chin is the Electric Utilities Analyst for Citi Investment Research and Analysis. His research has received the following recognition: Greenwich Associates Investor Survey: Independent Power (#1 in 2006-09), Engineering & Construction (Top 3 in 2007-09). The Wall Street Journal: Best Of The Street Utilities (#2 in 2008). Forbes Magazine/Starmine: Independent Power Producers (Top 3 in 2006 and 2007). Brian joined the firm in 2001. He has an MBA from Duke University and a BS from UC Berkeley. Brian was a Certified Public Accountant (now inactive) and previously worked at KPMG Peat Marwick.

Faisel Khan is a Director at Citi Investment Research and Analysis, covering the North American integrated oil, refining and natural gas pipeline industries. Faisel was ranked No. 2 in the Natural Gas sector in the 2010, 2008 and 2007 Institutional Investor Surveys. He received First Place in the 2010 Greenwich Associate Polls. He was the No. 1 stock picker for multi-utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the integrated natural gas pipeline and gas distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in engineering and a BA in economics, with minors in mathematics and actuarial mathematics. He is a CFA charter holder. Faisel is also on the International Advisory Council for the International Crisis Group (ICG). ICG is an organization that works to prevent global conflict including situations in oil producing countries.

California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- **To Cristhian Escobar esc@cpuc.ca.gov with a copy to acr@cpuc.ca.gov & prw@cpuc.ca.gov**
- ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research).	**Today's Date**: 6/20/11
2. Reason for meeting (subject, topic, issues): **General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries. Please let me know if we need to be more specific.**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): One hour meeting Tuesday, September 13th anytime between 12:00PM to 5:00PM.	☒ In Person ☐ By phone
Proposed attendees: ☐ Cristhian Escobar ☐ Paul Phillips ☐ Rahmon Momoh ☒ Comr. Simon	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☒ Assign an advisor	
5. Industry: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes ☒ No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting 2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Brian Chin		**Citi**	**Senior Electric Utilities Analyst**
Faisel Khan		**Citi**	**Senior Integrated Oil & Gas Analyst**
John Apgar		**Citi**	**Associate on the Electric Utilities Team**
Group of 10-12 Institutional Investors. Detailed list to follow.		**Various**	

9. **List your contact information:**

Contact name: John Apgar, Associate on Citi's Electric Utilities Team		E-mail: john.a.apgar@citi.com
Office phone: (212) 816-3366	Cell: (716) 713-1011	Fax No.: (212) 816-6227
Office use only:		

Form created 8/5/2010

ESC PSP KMS TAS KLK	Comments:	Confimed date: Confimed time:

From:	Apgar, John A
To:	'cft@cpuc.ca.gov'; 'bnk@cpuc.ca.gov'
Sent:	6/20/2011 12:52:17 PM
Subject:	Meeting with Comr. Ferron
Attachments:	Brian Chin Bio.doc; Faisel Khan Bio.doc; Request for Meeting (Comr Ferron).doc

Charlotte and Julianne,

We are in the process of planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra while in California and would very much like to setup a meeting with Commissioner Ferron. I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. No Utilities would be present at the meeting, only Analysts and Investors. Please let me know if you need anything else from us.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research).
Today's date: 6/20/11
Docket or proceeding # (if applicable) N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries. Please let me know if we need to be more specific.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (Number of attendees, name, title, company): Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), John Apgar, (Associate at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research). We will also have 10-12 Institutional Investors with us and will provide a detailed list as soon as possible.
If Commissioner is unable to attend, would you like to meet with one of his advisors: Yes
Proposed date/time of meeting: One hour meeting Tuesday, September 13th anytime between 12:00PM to 5:00PM.

Contact name: John Apgar, Associate on Citi's Electric Utilities Team
Contact phone: (212) 816-3366

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

Email meeting request to Juliane Banks (BNK@cpuc.ca.gov)
Fax: 415-703-1758

From:	Apgar, John A
To:	'jovita.chan@cpuc.ca.gov'
CC:	'dmk@cpuc.ca.gov'
Sent:	6/20/2011 12:58:31 PM
Subject:	Meeting with Comr. Sandoval
Attachments:	Brian Chin Bio.doc; Faisel Khan Bio.doc; Request for Meeting (Comr Sandoval).doc

Jovita and Ditas,

We are in the process of planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra while in California and would very much like to setup a meeting with Commissioner Sandoval. I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. No Utilities would be present at the meeting, only Analysts and Investors. Please let me know if you need anything else from us.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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COMMISSIONER CATHERINE J.K. SANDOVAL
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Party requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research).
Today's date: 6/20/11
Docket or proceeding # N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries. Please let me know if we need to be more specific.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), John Apgar, (Associate at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research). We will also have 10-12 Institutional Investors with us and will provide a detailed list as soon as possible.
Proposed date/time of meeting: One hour meeting Tuesday, September 13th anytime between 12:00PM to 5:00PM.
Contact name: John Apgar, Associate on Citi's Electric Utilities Team
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.***

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague at dmk@cpuc.ca.gov

From: Goldthrite, Cody
To: 'Apgar, John A '
CC: Gonzalez, Nuria
Sent: 6/20/2011 1:09:06 PM
Subject: RE: Meeting in Mid-September
Attachments: PEEVEY MEETING REQUEST FORM NEW 2011 REVISED.doc

John,

Attached is a meeting request form for President Peevey. Please fill-out the form and send it to Nuria please.

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, June 20, 2011 1:07 PM
To: Brown, Carol A.
Subject: RE: Meeting in Mid-September

Carol,

I could not find a meeting request form for President Peevey on the CPUC website. Can you please put me in touch with whoever keeps President Peevey's schedule? Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Tuesday, June 14, 2011 3:28 PM
To: 'cab@cpuc.ca.gov'
Subject: Meeting in Mid-September

Hi Carol,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately of course). We are hoping to have the trip the week of September 11th and it would be ideal for us to setup meetings with the Commissioners on the 13th or 14th. The timing

is tentative at this point and we are flexible. Can you please call me when you have a moment to discuss.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: ( ) Party requesting conference call:
Today's date:
Docket or proceeding #
Reason for the meeting:
Industry (*please indicate with an X*) **ENERGY ( ) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X)* ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO( )
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company):
Proposed date/time of meeting:
Contact name:
Contact phone:

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 6/11/2010

From:	Apgar, John A
To:	'Goldthrite, Cody'; 'Gonzalez, Nuria'
Sent:	6/20/2011 1:26:25 PM
Subject:	RE: Meeting in Mid-September
Attachments:	Brian Chin Bio.doc; Faisel Khan Bio.doc; Request for Meeting (President Peevey).doc

Thank you, Cody.

Nuria,

I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. No Utilities would be present at the meeting, only Analysts and Investors. Please let me know if you need anything else from us.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Monday, June 20, 2011 4:09 PM
To: Apgar, John A [ICG-CIRA]
Cc: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September

John,

Attached is a meeting request form for President Peevey. Please fill-out the form and send it to Nuria please.

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, June 20, 2011 1:07 PM
To: Brown, Carol A.
Subject: RE: Meeting in Mid-September

Carol,

I could not find a meeting request form for President Peevey on the CPUC website. Can you please put me in touch with whoever keeps President Peevey's schedule? Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Tuesday, June 14, 2011 3:28 PM
To: 'cab@cpuc.ca.gov'
Subject: Meeting in Mid-September

Hi Carol,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately of course). We are hoping to have the trip the week of September 11th and it would be ideal for us to setup meetings with the Commissioners on the 13th or 14th. The timing is tentative at this point and we are flexible. Can you please call me when you have a moment to discuss.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

- 2nd Annual "SEC" Tour SO/ETR/NEE Field Trip, August 15-17, Atlanta/New Orleans/Juno Beach
- Ohio (FE/PUCO/DUK/AEP) Field Trip, August 29-30, Akron & Columbus, Ohio

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Brian Chin is the Electric Utilities Analyst for Citi Investment Research and Analysis. His research has received the following recognition: Greenwich Associates Investor Survey: Independent Power (#1 in 2006-09), Engineering & Construction (Top 3 in 2007-09). The Wall Street Journal: Best Of The Street Utilities (#2 in 2008). Forbes Magazine/Starmine: Independent Power Producers (Top 3 in 2006 and 2007). Brian joined the firm in 2001. He has an MBA from Duke University and a BS from UC Berkeley. Brian was a Certified Public Accountant (now inactive) and previously worked at KPMG Peat Marwick.

Faisel Khan is a Director at Citi Investment Research and Analysis, covering the North American integrated oil, refining and natural gas pipeline industries. Faisel was ranked No. 2 in the Natural Gas sector in the 2010, 2008 and 2007 Institutional Investor Surveys. He received First Place in the 2010 Greenwich Associate Polls. He was the No. 1 stock picker for multi-utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the integrated natural gas pipeline and gas distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in engineering and a BA in economics, with minors in mathematics and actuarial mathematics. He is a CFA charter holder. Faisel is also on the International Advisory Council for the International Crisis Group (ICG). ICG is an organization that works to prevent global conflict including situations in oil producing countries.

MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research). ( ) Party requesting conference call:
Today's date: 6/20/11
Docket or proceeding # N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries. Please let me know if we need to be more specific.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), John Apgar, (Associate at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research). We will also have 10-12 Institutional Investors with us and will provide a detailed list as soon as possible.
Proposed date/time of meeting: One hour meeting Tuesday, September 13th anytime between 12:00PM to 5:00PM.
Contact name: John Apgar, Associate on Citi's Electric Utilities Team
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 6/20/2011

MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 6/20/2011

From:	Melendez, Ernesto
To:	john.a.apgar@citi.com
CC:	Khosrowjah, Sepideh; Florio, Michel Peter
Sent:	6/21/2011 10:09:10 AM
Subject:	mtg. re: Southwest Investor Tour group

Good day Mr. Apgar,
We would like to schedule a meeting with your group and Commissioner Florio on 9/13 from 4:00-5:00. Would this work with you. I have attached your privious email as a reminder of the event.

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, June 20, 2011 12:33 PM
To: Melendez, Ernesto
Cc: Khosrowjah, Sepideh
Subject: Meeting in Mid-September

Sepideh,

It was great speaking with you today. I look forward to meeting with you and Commissioner Florio.

Ernesto,

We are in the process of planning a Southwest Investor tour and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra while in California and would very much like to setup a meeting with Commissioner Florio. I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. Please let me know if you need anything else from us.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

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Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio

California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From:	Apgar, John A
To:	'Melendez, Ernesto'
CC:	'Khosrowjah, Sepideh'; 'Florio, Michel Peter'
Sent:	6/21/2011 10:32:29 AM
Subject:	RE: mtg. re: Southwest Investor Tour group

Thank you for getting back to me, Ernesto. That time works for us. As we get closer to the meeting, I will touch base with you on the logistics and will provide you with a detailed list of the Investors we plan on bringing to the meeting.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Melendez, Ernesto [mailto:ernesto.melendez@cpuc.ca.gov]
Sent: Tuesday, June 21, 2011 1:09 PM
To: Apgar, John A [ICG-CIRA]
Cc: Khosrowjah, Sepideh; Florio, Michel Peter
Subject: mtg. re: Southwest Investor Tour group

Good day Mr. Apgar,
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Cc: Khosrowjah, Sepideh
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Citi Investment Research
(212) 816-3366

john.a.apgar@citi.com

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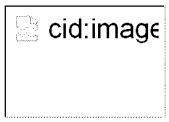
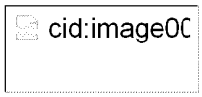
Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Mixter, Katy
To: Undisclosed recipients
Sent: 7/14/2011 2:48:37 PM
Subject: Save the Date: Innovations in Energy Efficiency Finance





SAVE THE DATE
Innovations in Energy Efficiency Finance

Citi and Environmental Defense Fund cordially invite you to a convening of practitioners on energy efficiency finance: current and emerging innovative solutions, new partnerships, learnings from recent transactions, and remaining obstacles to developing and scaling the market.

September 20, 2011
Convening 9:30-3:45 (including lunch)
Cocktails 3:45-5:00

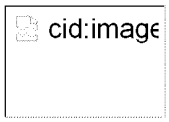
Citi, 388 Greenwich Street, New York, NY, 10013

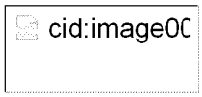
By invitation only. Please RSVP to Katy Mixter (katy.mixter@citi.com).

Regards,

Brad Copithorne, EDF, Energy and Financial Policy Specialist
Marshal Salant, Citi, Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, Corporate Sustainability

From: Mixter, Katy
To: Undisclosed recipients
Sent: 7/15/2011 1:26:55 PM
Subject: Save the Date: Innovations in Energy Efficiency Finance





SAVE THE DATE
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Cocktails 3:45-5:00

Citi, 388 Greenwich Street, New York, NY, 10013

By invitation only. Please RSVP to Katy Mixter (katy.mixter@citi.com).

Regards,

Brad Copithorne, EDF, Energy and Financial Policy Specialist
Marshal Salant, Citi, Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, Corporate Sustainability

From: Apgar, John A
To: 'jovita.chan@cpuc.ca.gov'
CC: 'dmk@cpuc.ca.gov'
Sent: 7/19/2011 5:43:09 AM
Subject: RE: Meeting with Comr. Sandoval

Hi Jovita,

Just following up on our meeting request. Please let us know at your earliest convenience if Commissioner Sandoval has availability on September 13th and is interested in setting up a meeting.

Than you,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 20, 2011 3:59 PM
To: 'jovita.chan@cpuc.ca.gov'
Cc: 'dmk@cpuc.ca.gov'
Subject: Meeting with Comr. Sandoval

Jovita and Ditas,

We are in the process of planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra while in California and would very much like to setup a meeting with Commissioner Sandoval. I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. No Utilities would be present at the meeting, only Analysts and Investors. Please let me know if you need anything else from us.

<< File: Request for Meeting (Comr Sandoval).doc >> << File: Brian Chin Bio.doc >> << File: Faisel Khan Bio.doc >>
Regards,

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From: Apgar, John A
To: 'Goldthrite, Cody'; 'Gonzalez, Nuria'
Sent: 7/19/2011 5:46:10 AM
Subject: RE: Meeting in Mid-September

Hi Nuria,

Just following up on our meeting request. Please let us know at your earliest convenience if Commissioner Peevey has availability on September 13th and is interested in setting up a meeting.

Than you,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 20, 2011 4:26 PM
To: 'Goldthrite, Cody'; 'Gonzalez, Nuria'
Subject: RE: Meeting in Mid-September

Thank you, Cody.

Nuria,

I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. No Utilities would be present at the meeting, only Analysts and Investors. Please let me know if you need anything else from us.

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To: Apgar, John A [ICG-CIRA]
Cc: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September

John,

Attached is a meeting request form for President Peevey. Please fill-out the form and send it to Nuria please.

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
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To: Brown, Carol A.
Subject: RE: Meeting in Mid-September

Carol,

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To: 'cab@cpuc.ca.gov'
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Regards,

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From: Apgar, John A
To: 'Gonzalez, Nuria'
Sent: 8/9/2011 2:44:03 PM
Subject: RE: Meeting in Mid-September

Hi Nuria,

When you and I spoke last, you let me know that Commissioner Peevey was not available for a meeting September 13th, but his staff would be. Would Carol and the other staff members be available for a meeting from 1:00-2:00PM?

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

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- Ohio (FE/PUCO/DUK/AEP) Field Trip, August 29-30, Akron & Columbus, Ohio
- 6th Annual Southwest (PCG/EIX/SRE/CPUC/PNW/NVE) Field Trip, September 13-16th, AZ/CA/NV

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Sent: Tuesday, July 19, 2011 8:46 AM
To: 'Goldthrite, Cody'; 'Gonzalez, Nuria'
Subject: RE: Meeting in Mid-September

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Than you,

John Apgar
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(212) 816-3366
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Sent: Tuesday, June 14, 2011 3:28 PM
To: 'cab@cpuc.ca.gov'
Subject: Meeting in Mid-September

Hi Carol,

I work with Brian Chin on the Electric Utilities team at Citi. We are planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately of course). We are hoping to have the trip the week of September 11th and it would be ideal for us to setup meetings with the Commissioners on the 13th or 14th. The timing is tentative at this point and we are flexible. Can you please call me when you have a moment to discuss.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

- 2nd Annual "SEC" Tour SO/ETR/NEE Field Trip, August 15-17, Atlanta/New Orleans/Juno Beach
- Ohio (FE/PUCO/DUK/AEP) Field Trip, August 29-30, Akron & Columbus, Ohio

IMPORTANT DISCLOSURES
For important disclosures regarding Citi Investment Research, including with respect to any issuers mentioned herein, please refer to the Citi Investment Research disclosure website at https://www.citigroupgeo.com/geopublic/Disclosures/index_a.html.

From: Apgar, John A
To: 'jovita.chan@cpuc.ca.gov'
Sent: 8/15/2011 11:14:56 AM
Subject: FW: Meeting with Comr. Sandoval
Attachments: Brian Chin Bio.doc; Faisel Khan Bio.doc; Request for Meeting (Comr Sandoval).doc

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

- Ohio (FE/PUCO/DUK/AEP) Field Trip, August 29-30, Akron & Columbus, Ohio
- 6th Annual Southwest (PCG/EIX/SRE/CPUC/PNW/NVE) Field Trip, September 13-16th, AZ/CA/NV

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 20, 2011 3:59 PM
To: 'jovita.chan@cpuc.ca.gov'
Cc: 'dmk@cpuc.ca.gov'
Subject: Meeting with Comr. Sandoval

Jovita and Ditas,

We are in the process of planning a Southwest Investor tour in mid-September and will be meeting with the Senior Management teams of PG&E, Edison International, and Sempra while in California and would very much like to setup a meeting with Commissioner Sandoval. I filled out and attached the meeting request form. Please note that we are requesting meetings with the other Commissioners as well in the same 12:00PM - 5:00PM time block on Tuesday, September 13th. I also attached Brian Chin's and Faisel Khan's bios. No Utilities would be present at the meeting, only Analysts and Investors. Please let me know if you need anything else from us.

Regards,

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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For important disclosures regarding Citi Investment Research, including with respect to any issuers mentioned herein, please refer to the Citi Investment Research disclosure website at https://www.citigroupgeo.com/geopublic/Disclosures/index_a.html.

Brian Chin is the Electric Utilities Analyst for Citi Investment Research and Analysis. His research has received the following recognition: Greenwich Associates Investor Survey: Independent Power (#1 in 2006-09), Engineering & Construction (Top 3 in 2007-09). The Wall Street Journal: Best Of The Street Utilities (#2 in 2008). Forbes Magazine/Starmine: Independent Power Producers (Top 3 in 2006 and 2007). Brian joined the firm in 2001. He has an MBA from Duke University and a BS from UC Berkeley. Brian was a Certified Public Accountant (now inactive) and previously worked at KPMG Peat Marwick.

Faisel Khan is a Director at Citi Investment Research and Analysis, covering the North American integrated oil, refining and natural gas pipeline industries. Faisel was ranked No. 2 in the Natural Gas sector in the 2010, 2008 and 2007 Institutional Investor Surveys. He received First Place in the 2010 Greenwich Associate Polls. He was the No. 1 stock picker for multi-utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the integrated natural gas pipeline and gas distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in engineering and a BA in economics, with minors in mathematics and actuarial mathematics. He is a CFA charter holder. Faisel is also on the International Advisory Council for the International Crisis Group (ICG). ICG is an organization that works to prevent global conflict including situations in oil producing countries.

COMMISSIONER CATHERINE J.K. SANDOVAL
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Party requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research).
Today's date: 6/20/11
Docket or proceeding # N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries. Please let me know if we need to be more specific.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research), John Apgar, (Associate at Citi Investment Research), and Faisel Khan, (Senior Integrated Oil & Gas Analyst at Citi Investment Research). We will also have 10-12 Institutional Investors with us and will provide a detailed list as soon as possible.
Proposed date/time of meeting: One hour meeting Tuesday, September 13th anytime between 12:00PM to 5:00PM.
Contact name: John Apgar, Associate on Citi's Electric Utilities Team
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.***

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague at dmk@cpuc.ca.gov

From: Mixter, Katy
To: Undisclosed recipients
Sent: 9/2/2011 11:36:36 AM
Subject: Invitation and Agenda: Innovations in Energy Efficiency Finance

Innovations in Energy Efficiency Finance

September 20, 2011

Citi and Environmental Defense Fund cordially invite you to a convening of practitioners on energy efficiency finance covering: current and emerging innovative solutions, new partnerships, learnings from recent transactions, and remaining obstacles to developing and scaling the market. Please see the agenda below and note the changes to the overall timeframe. Please RSVP by September 9 as there is limited capacity.

September 20, 2011
Convening 9:00-5:00 (including lunch)
Cocktails 5:00-6:30

Citi, 388 Greenwich Street, New York, NY, 10013

By invitation only. Please RSVP to Katy Mixter (katy.mixter@citi.com) by replying to this email.

Regards,

Brad Copithorne, EDF, Energy and Financial Policy Specialist
Marshal Salant, Citi, Global Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, VP of Corporate Sustainability

Agenda

08:30-09:00 **Registration** (coffee)

09:00-09:15 **Welcome and Opening Remarks**
- Diane Regas, Vice President Programs, EDF
- Pam Flaherty, Director of Corporate Citizenship, and President and CEO of Citi Foundation

09:15-09:45 **Framing the Market and the Day**
- Marshal Salant, Global Head of Alternative Energy Finance, Citi
- Bruce Schlein, VP Corporate Sustainability, Citi

Focus on Credit: Aggregating and Pooling Understandable Counterparties

09:45-10:30 ***By Geography***
- Dr. John Byrne, Co-Chair, Sustainable Energy Utility, Inc. (Delaware)
- Trenton Allen, Director, Municipal Securities, Citi

10:30-11:15 ***By Asset Class (residential and corporate)***
- Alfred Griffin, Director, Alternative Energy Banking, Citi
- Cisco Devries, President, Renewable Funding
- Sean Neill, Managing Director, Transcend

11:15-11:30 **Break**

Focus on Performance: Energy Services Agreements and Other Approaches

11:30-12:30 ***A Discussion Led by Susan Leeds***, CEO, NYC Energy Efficiency Corporation

- Bob Anderson, Managing Director and CEO, Green Campus Partners
- Claire Broido Johnson, Director, Serious Capital
- Steve Gossett, Vice President, Transcend
- Bob Hinkle, President and CEO, Metrus
- Jonathan Maxwell, Founding Partner and CEO, Sustainable Development Capital

12:30-01:45 **Lunch** (buffet – collect lunch and back at tables by 1:15pm)
- Remarks by Samuel A. Di Piazza, Vice Chair, Citi

Credit and Performance Enhancements

01:45-02:30 ***Measuring and Managing Performance***
- Mary Barber, Campaign Director, EDF (*Monitoring & Verification Project*)
- Mark Bowman, Director Energy Efficiency Applications, Scientific Conservation (*IT*)
- Angela Ferrante, Director of Alternative Energy Solutions, Energi (*Insurance*)
- Lenley Hensarling, Vice President Industry Solutions Consulting, C3 (*IT*)

02:30-03:15 ***Repayment: Utility On-Bill***
- Brad Copithorne, Energy and Financial Policy Specialist, EDF
- Jeff Pitkin, Treasurer, NYSERDA
- Frank Spasaro, Manager of Energy Efficiency Partnerships, SDG&E
- Gil Sperling, Senior Advisor, DOE

03:15-03:45 ***Philanthropic Capital***
- Margot Brandenburg, Associate Director, Foundation Initiatives, Rockefeller Foundation

3:45-04:15 **Break**

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- Jason Cavaliere, Director, Alternative Energy Finance, Citi
- Michael Mittleman, Director, Energy Efficiency Finance, Solar City

04:45-05:00 **Conclusions: Outstanding Barriers and Opportunities to Collaborate**
- Mike Eckhart, Global Head of Environmental Finance and Sustainability, Citi

05:00-06:30 **Cocktails**

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From: Mixter, Katy
To: Undisclosed recipients
Sent: 9/9/2011 1:38:07 PM
Subject: Final Reminder: Innovations in Energy Efficiency Finance

Final Reminder: today is the deadline for confirming your participation in the 9/20 event. Your RSVP either way would be greatly appreciated for planning purposes.

Kind regards,
Katy

Innovations in Energy Efficiency Finance

September 20, 2011

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Cocktails 5:00-6:30

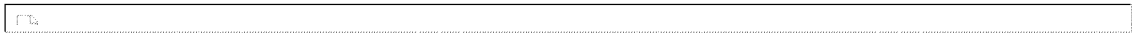
Citi, 388 Greenwich Street, New York, NY, 10013

By invitation only. Please RSVP to Katy Mixter (katy.mixter@citi.com) by replying to this email.

Regards,

Brad Copithorne, EDF, Energy and Financial Policy Specialist
Marshal Salant, Citi, Global Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, VP of Corporate Sustainability

Agenda



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04:45-05:00 **Conclusions: Outstanding Barriers and Opportunities to Collaborate**
- Mike Eckhart, Global Head of Environmental Finance and Sustainability, Citi

05:00-06:30 **Cocktails**

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From: Apgar, John A
To: 'bnk@cpuc.ca.gov'
Sent: 9/12/2011 10:21:45 AM
Subject: Southwest Trip Attendees

Hi Juliane,

The list of attendees for our meeting with Commissioner Ferron on 9/13 at 11:00am is below.

Attendees:
AllianceBernstein - Al Caesar
ARC Asset Management - Leon Dubov
Carlson Capital - Stephen Huang
Decade Capital Management LLC - Scott Senchak
Franklin Resources Inc. - John Kohli
Green Arrow Capital - Tom O'Neill
Luminus Management, LLC - Michael Goldenberg
Millennium - Chris Shelton
Norges Bank Investment Management - Barry Abramson, Riccardo Sicheri
Pacific Investment Mgmt - PIMCO - Wen-Wen Lindroth
SAC Capital - Neil Choi
Waddell and Reed - Rich Heidemann
Weiss Multi-Strategy Advisers - Jeff Chrzanowski
Zimmer Lucas Partners LLC - Jesse Laudon
Citi - Brian Chin
Citi - Faisel Khan
Citi - Shar Pourezza
Citi - Amit Marwaha

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

UPCOMING EVENTS:

- 6th Annual Southwest (PCG/EIX/SRE/CPUC/PNW/NVE) Field Trip, September 13-16th, AZ/CA/NV

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From: Mixter, Katy
To: 'Brad Copithorne'
CC: 'Finnigan, Jennifer R.'
Sent: 9/19/2011 10:38:36 AM
Subject: RE: Dial -In # tomw

Hi Brad,

Yes, the phone line is set up, and Jennifer can dial-in at:

Dial-in: 877-716-6484
Passcode: 370-937-9886

FYI, we are just about to send out an email with these details. Please let us know if there is anyone else who should be added to this email.

Best,
Katy

From: Brad Copithorne [mailto:bcopithorne@edf.org]
Sent: Monday, September 19, 2011 1:28 PM
To: Mixter, Katy [CCF]
Cc: Finnigan, Jennifer R.
Subject: Dial -In # tomw

Katy – Did you ever have a chance to set up a dial-in for CA folks. Jennifer just asked me again if we could get her one.

Thx

B

Brad Copithorne
Energy and Financial Policy Specialist

Environmental Defense Fund
123 Mission Street, 28th Floor
San Francisco, CA 94105
T 415 293 6157
C 415 608 6447
F 415 293 6051
bcopithorne@edf.org

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From: Mixter, Katy
To: Undisclosed recipients
Sent: 9/19/2011 11:36:48 AM
Subject: Telephone Dial-in for Tomorrow's Event: Innovations in Energy Efficiency Finance
Attachments: image001.jpg; image002.gif; image003.png; image004.jpg; image005.gif; image006.jpg

cid:image001.jpg@01CC6D1D.D7D743F0

cid:image cid:image00

Innovations in Energy Efficiency Finance

September 20, 2011

If you would like to attend the event Innovations in Energy Efficiency Finance by phone, please use the dial-in information below.

Call information
Dial-in: 877-716-6484
Passcode: 370-937-9886

As this line is listen-only, please email Bruce Schlein (bruce.s.schlein@citi.com) when you dial in so we know who is on the line. Additionally, please send Bruce any questions that you would like to have asked on your behalf.

Please see the final agenda below.

Regards,

Brad Copithorne, EDF, Energy and Financial Policy Specialist
Marshal Salant, Citi, Global Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, Vice President, Corporate Sustainability

Agenda

08:30-09:00 **Registration** (coffee)

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- Diane Regas, Vice President Programs, EDF
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09:15-09:45 **Framing the Market and the Day**
- Marshal Salant, Global Head of Alternative Energy Finance, Citi
- Bruce Schlein, VP Corporate Sustainability, Citi

Focus on Credit: Aggregating and Pooling Understandable Counterparties

09:45-10:30 ***By Geography***
- Dr. John Byrne, Co-Chair, Sustainable Energy Utility, Inc. (Delaware)
- Trenton Allen, Director, Municipal Securities, Citi
- Samuel Tumiwa, Deputy Regional Director, North American Representative Office, ADB

10:30-11:15 ***By Asset Class (residential and corporate)***
- Alfred Griffin, Director, Alternative Energy Banking, Citi

- Cisco DeVries, President, Renewable Funding
- Sean Neill, Managing Director, Transcend

11:15-11:45 **Break**

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- Jeff Pitkin, Treasurer, NYSERDA
- Gil Sperling, Senior Advisor, DOE

03:15-03:45 ***Philanthropic Capital***
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- Jessica Boehland, Kresge Foundation
- John Goldstein, Imprint Capital

Synergies with, and Lessons Learned from, Distributed Generation

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- Mike Eckhart, Global Head of Environmental Finance and Sustainability, Citi

04:30-06:30 **Cocktails and Hor d'oeuvres**
- Executive Dining Room

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From: Mixter, Katy
To: Undisclosed recipients
Sent: 9/20/2011 9:21:10 AM
Subject: Re: Telephone Dial-in for Tomorrow's Event: Innovations in Energy Efficiency Finance

As a note, the audio is working for the dial in and the lines are open all day. Please let me know if you have any problems connecting to the conference.

----- Original Message -----
From: Mixter, Katy [CCF]
Sent: Mon Sep 19 14:32:27 2011
Subject: Telephone Dial-in for Tomorrow's Event: Innovations in Energy Efficiency Finance

Innovations in Energy Efficiency Finance

September 20, 2011

You are confirmed to attend the event Innovations in Energy Efficiency Finance by phone.

Call information

Dial-in: 877-716-6484

Passcode: 370-937-9886

As this line is listen-only, please email Bruce Schlein (bruce.s.schlein@citi.com) when you dial in so we know who is on the line. Additionally, please send Bruce any questions that you would like to have asked on your behalf.

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04:30-06:30 Cocktails and Hor d'oeuvres

- Executive Dining Room

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From: Thomas, Sarah R.
To: brian.chin@citi.com
CC: Banks, Juliane
Sent: 10/3/2011 11:11:36 AM
Subject: Meeting with Commr Ferron in NYC 10/28 in the am?

Brian - I believe you and Commr Ferron discussed meeting while he's in NY. Does the 28th work at all for you (in the first half of the day)?

Sarah R. Thomas, Esq.
California Public Utilities Commission
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
(415) 703-2310 (phone)
(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

From: Thomas, Sarah R.
To: Chin, Brian ; Banks, Juliane
Sent: 10/5/2011 6:36:50 PM
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

Yes, that's fine. Thanks! He'll need to be on Wall St. by 2. Thanks so much, Brian.

Sarah R. Thomas, Esq.
California Public Utilities Commission
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
(415) 703-2310 (phone)
(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

-----Original Message-----
From: Chin, Brian [mailto:brian.chin@citi.com]
Sent: Tue 10/4/2011 4:19 PM
To: Thomas, Sarah R.
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

You got it. Can I bring along one of my associates?

Noon works. If he's paying for it himself, I suppose we should do this casual instead of white table-cloth.

UPCOMING EVENTS: EEI Schedule, November 2011
Monday: D, ED, EIX, DUK, PEG, PNW, WR, DTE, EXC, NVE
Tuesday: AEP, SO, PCG, ETR, FE

Brian Chin
Director, Equity Research
Electric Utilities
Citi Investment Research
(o) 212 816 2861
(c) 201 463 5972
brian.chin@citi.com

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-----Original Message-----
From: Thomas, Sarah R. [mailto:sarah.thomas@cpuc.ca.gov]
Sent: Tuesday, October 04, 2011 7:18 PM
To: Chin, Brian [ICG-CIRA]
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

Actually, he just told me he prefers one on one. How does noon or 12:30 sound? He'll have to pay for the meal, but if you could do that it would make the time work out better.

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
srt@cpuc.ca.gov
www.cpuc.ca.gov
(415) 703-2310 (phone)
(415) 703-2262 (fax)

-----Original Message-----
From: Chin, Brian [mailto:brian.chin@citi.com]
Sent: Tuesday, October 04, 2011 4:05 PM
To: Thomas, Sarah R.
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

Lower Manhattan. 388 Greenwich St.

I can bring investors easily. How many? Happy to arrange a meal with it if that would help.

UPCOMING EVENTS: EEI Schedule, November 2011
Monday: D, ED, EIX, DUK, PEG, PNW, WR, DTE, EXC, NVE
Tuesday: AEP, SO, PCG, ETR, FE

Brian Chin
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-----Original Message-----
From: Thomas, Sarah R. [mailto:sarah.thomas@cpuc.ca.gov]
Sent: Tuesday, October 04, 2011 7:04 PM
To: Chin, Brian [ICG-CIRA]
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

I believe he wants investors there too, but am ckg. Where is your office?

Sarah R. Thomas, Esq.
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-----Original Message-----
From: Chin, Brian [mailto:brian.chin@citi.com]
Sent: Tuesday, October 04, 2011 3:44 PM

To: Thomas, Sarah R.
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

Hi Sarah - 28th of October? I am available.

Is he interested in us bringing investors or just a 1x1 with me?

UPCOMING EVENTS: EEI Schedule, November 2011
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-----Original Message-----
From: Thomas, Sarah R. [mailto:sarah.thomas@cpuc.ca.gov]
Sent: Tuesday, October 04, 2011 6:43 PM
To: Chin, Brian [ICG-CIRA]
Subject: Meeting with Commr Ferron in NYC 10/28 in the am?

Brian - I believe you and Commr Ferron discussed meeting while he's in NY. Does the 28th work at all for you - any time but 2-3? (Not sure where your office is located - he'll be on Wall Street at 2, so may need travel time to get to you.) He's interested in talking about EE finance, RPS and the energy industry generally.

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(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

From: Chin, Brian
To: 'sarah.thomas@cpuc.ca.gov'; 'juliane.banks@cpuc.ca.gov'; Collazo, Judy E
Sent: 10/6/2011 2:02:45 AM
Subject: Re: Meeting with Commr Ferron in NYC 10/28 in the am?

I am in lower manhattan, so that should work out fine. We'll give you a casual restaurant address as the time gets closer.

-Brian

Brian Chin
Director, Equity Research
Electric Utilities
(w) 212.816.2861
(c) 201.463.5972
brian.chin@citi.com

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----- Original Message -----
From: Thomas, Sarah R. <sarah.thomas@cpuc.ca.gov>
To: Chin, Brian [ICG-CIRA]; Banks, Juliane <juliane.banks@cpuc.ca.gov>
Sent: Wed Oct 05 21:36:50 2011
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

Yes, that's fine. Thanks! He'll need to be on Wall St. by 2. Thanks so much, Brian.

Sarah R. Thomas, Esq.
California Public Utilities Commission
Advisor to Commissioner Mark Ferron
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(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

-----Original Message-----
From: Chin, Brian [mailto:brian.chin@citi.com]
Sent: Tue 10/4/2011 4:19 PM
To: Thomas, Sarah R.
Subject: RE: Meeting with Commr Ferron in NYC 10/28 in the am?

You got it. Can I bring along one of my associates?

Noon works. If he's paying for it himself, I suppose we should do this casual instead of white table-cloth.

UPCOMING EVENTS: EEI Schedule, November 2011
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Tuesday: AEP, SO, PCG, ETR, FE

Brian Chin
Director, Equity Research
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San Francisco, CA 94102
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(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

From: Apgar, John A
To: 'skh@cpuc.ca.gov'
Sent: 2/7/2012 2:57:07 PM
Subject: FW: CPUC-FPSS Subscription: 'PG&E Investigation'

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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-----Original Message-----
From: fpss-no-reply@cpuc.ca.gov [mailto:fpss-no-reply@cpuc.ca.gov]
Sent: Monday, February 06, 2012 3:48 PM
To: Apgar, John A [ICG-CIRA]
Subject: CPUC-FPSS Subscription: 'PG&E Investigation'

Below are the documents you have subscribed to using the California Public Utilities Commission Subscription Service. Details of this subscription are listed below the document links.
==========
Proceeding #: I1102016

Yip-Kikugawa Agenda Dec Extending Statutory Deadline

http://docs.cpuc.ca.gov/WORD_PDF/AGENDA_DECISION/157134.pdf (51 kb) http://docs.cpuc.ca.gov/PUBLISHED/AGENDA_DECISION/157134.htm
http://docs.cpuc.ca.gov/WORD_PDF/AGENDA_DECISION/157134.DOC (35 kb)

==========
Subscription Details:
Subscription Name: PG&E Investigation
Subscription Type: Specific Proceeding
Proceeding Number: I1102016
Delivery Frequency: Immediate
Email Address: john.a.apgar@citi.com

==========
Use the links below to manage your subscription:

To delete this subscription go to: http://subscribecpuc.cpuc.ca.gov/fpss/Manage.aspx?email=john.a.apgar@citi.com&account=3930&cancelsubid=8721

To manage your subscription service go to: http://subscribecpuc.cpuc.ca.gov/fpss/Manage.aspx?email=john.a.apgar@citi.com&account=3930

For help with the system go to: http://subscribecpuc.cpuc.ca.gov/fpss/FAQ.aspx

From:	Simon, Timothy A. on behalf of Mosbaugh, Scott
To:	Momoh, Rahmon O.; nikki.beasley@citi.com
Sent:	4/12/2012 3:37:54 PM
Subject:	Meeting with Dahlia Moodie and Nikki Beasley
Attachments:	meeting.ics

When: Wednesday, May 02, 2012 2:30 PM-3:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Commissioner Simon's office

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*

RSM 4/12/12

Commissioners request.

Contact:
Dahlia Moodie, 510-647-8450

Nikki Beasley 510-482-2711

16010101T020000

METHOD
REQUEST

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

X-MICROSOFT-CDO-TZID
13

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Meeting with Dahlia Moodie and Nikki Beasley
Commissioner Simon's office
20120502T143000
CONFIRMED

DTSTAMP
20120412T223753Z

Start Date/Time
20120502T143000

Summary
Meeting with Dahlia Moodie and Nikki Beasley

UID
040000008200E00074C5B7101A82E0080000000090D3E039C218CD01000000000000000
010000000837A559DD954294888FB9463FAE6DDBD

Attendee MAILTO:rahmon.momoh@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:nikki.beasley@citi.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (X-SENTBYCN="Mosbaugh, Scott";SENT-BY="MAILTO)
scott.mosbaugh@cpuc. ca.gov";CN="Simon, Timothy A.":MAILTO:timothy.simon@cpuc.ca.gov

Location
Commissioner Simon's office

End Date/Time
20120502T150000

Description
RSM 4/12/12

Commissioners request.

Contact:
Dahlia Moodi e, 510-647-8450

Nikki Beasley 510-482-2711

Sequence Number
0

Priority
5

Categories

CREATED
20120412T223754Z

Last Modified
20120412T223754Z

Status
CONFIRMED

Time Transparency

OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
355223516

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20120412T223753Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120412T223753Z

ACTION
DISPLAY

Description
REMINDER

TRIGGER (RELATED=START)
-PT00H15M00S

From: Apgar, John A
To: 'cft@cpuc.ca.gov'; 'bnk@cpuc.ca.gov'
CC: Pourreza, Shahriar
Sent: 6/20/2012 3:13:43 PM
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Apgar, John A
To: TerKeurst, Charlotte; Banks, Juliane
CC: Pourreza, Shahriar
Sent: 6/20/2012 3:13:43 PM
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From:	Apgar, John A
To:	Khosrowjah, Sepideh
CC:	Pourreza, Shahriar
Sent:	6/20/2012 3:15:41 PM
Subject:	Meeting in Mid-September (Comr. Florio)

Sepideh,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Florio and the other Commissioners (separately). Please let us know if Commissioner Florio would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
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(212) 816-3366
john.a.apgar@citi.com

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From:	Gonzalez, Nuria
To:	'Apgar, John A '; Brown, Carol A.
CC:	Pourreza, Shahriar
Sent:	6/20/2012 3:27:35 PM
Subject:	RE: Meeting in Mid-September (Comr. Peevey)
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

Carol,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately). Please let us know if Commissioner Peevey would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
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(212) 816-3366
john.a.apgar@citi.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: ( ) Party requesting conference call:
Today's date:
Docket or proceeding #
Reason for the meeting:
Industry (*please indicate with an X*) **ENERGY ( ) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X)* ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO( )
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company) - Number of attendees _____
Proposed date/time of meeting:
Contact name:
Contact phone:

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 11/10/2010

From: TerKeurst, Charlotte
To: Apgar, John A ; Banks, Juliane
CC: Pourreza, Shahriar
Sent: 6/21/2012 10:09:10 AM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

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From: Apgar, John A
To: Dahlgren, Joan; shariar.pourreza@citi.com
Sent: 6/25/2012 12:32:16 PM
Subject: RE: Citi Southwest Investor Tour

Thank you for the response, Joan. We will reach out again if we move the trip to another week.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Monday, June 25, 2012 2:50 PM
To: Apgar, John A [ICG-CIRA]; shariar.pourreza@citi.com
Subject: Re: Citi Southwest Investor Tour

Thank you for your recent inquiry regarding scheduling an appointment with Commissioner Florio in mid-September. Unfortunately, the week of the 10th is when the Commissioner will be presiding over major public hearings, and it is doubtful if he will have availability during that week. If you wish to consider an alternative week, please let me know.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Apgar, John A
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
CC: Pourreza, Shahriar
Sent: 6/25/2012 1:30:03 PM
Subject: RE: Meeting in Mid-September (Comr. Peevey)
Attachments: Comr Peevey Meeting Request Form.doc

Nuria,

The completed request form is attached. Please let me know if you have any questions.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, June 20, 2012 6:28 PM
To: Apgar, John A [ICG-CIRA]; Brown, Carol A.
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

Carol,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately). Please let us know if Commissioner Peevey would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: Brian Chin, Senior Electric Utility Analyst at Citi Investment Research ( ) Party requesting conference call:
Today's date: 6/25/12
Docket or proceeding # N/A
Reason for the meeting: General electric utility industry discussion
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees: 10 to 15 Investors and 4 Analyst's from Citi Investment Research.
Proposed date/time of meeting: Week of September 10th, preferably Wednesday or Thursday. Requesting a 1 hour meeting.
Contact name: John Apgar
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 6/25/2012

From:	Apgar, John A
To:	'TerKeurst, Charlotte'; 'Banks, Juliane'
Sent:	6/25/2012 1:46:56 PM
Subject:	RE: Meeting in Mid-September (Comr. Ferron)
Attachments:	Comr Ferron Meeting Request Form.doc

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

***NOTE:* Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: Brian Chin, Senior Electric Utility Analyst at Citi Investment Research	**Today's Date**: 6/25/12
2. Reason for meeting (subject, topic, issues): **General electric utility industry discussion**	
3. Docket or Proceeding # (if applicable) and case name: N/A	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): Week of September 10th, preferably Wednesday or Thursday. Requesting a 1 hour meeting.	■ **In Person** ☐ **By phone**
Proposed staff: ■ **Comr. Ferron*** ■ **Charlotte TerKeurst** ☐ **Michael Colvin** ☐ **Sara Kamins** ☐ **Charlyn Hook**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ■ Assign an advisor	
6. Industry: ■ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ■ No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ■ No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes ■ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	
9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)	

Name	Company	Title
Brian Chin	Citi Investment Research	Senior Electric Utilities Analyst
10 – 15 Institutional Investors yet to be determined	Various	

10. List your contact information:		
Contact name: John Apgar		**E-mail: john.a.apgar@citi.com**
Office phone: (212) 816-3366	**Cell: (716) 713-1011**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From: Apgar, John A
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Sent: 7/9/2012 8:13:13 AM
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:30 PM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Nuria,

The completed request form is attached. Please let me know if you have any questions.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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Subject: RE: Meeting in Mid-September (Comr. Peevey)

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Nuria

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Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

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From: Apgar, John A
To: 'TerKeurst, Charlotte'
CC: 'Banks, Juliane'
Sent: 7/9/2012 8:15:44 AM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
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john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

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including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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From: Apgar, John A
To: 'dmk@cpuc.ca.gov'
CC: 'jovita.chan@cpuc.ca.gov'
Sent: 7/9/2012 8:19:21 AM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Ditas,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

Ditas,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

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From: Banks, Juliane
To: Apgar, John A
Sent: 7/9/2012 12:50:15 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

Are the names of the 10-15 Institutional Investors now known?

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
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john.a.apgar@citi.com

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Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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We ask that you submit the meeting request form on Commissioner Ferron's website:

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Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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From: Apgar, John A
To: Banks, Juliane
Sent: 7/9/2012 12:59:26 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Not at the moment. We typically put together a tentative schedule and make sure the Commissioners are available before we send out the invites on our end. It would be Portfolio Managers and Analysts from various institutional money managers. I pasted last year's attendance list below to give you an idea, it would probably be many of the same individuals.

Attendees:
AllianceBernstein - Al Caesar
ARC Asset Management - Leon Dubov
Carlson Capital - Stephen Huang
Decade Capital Management LLC - Scott Senchak
Franklin Resources Inc. - John Kohli
Green Arrow Capital - Tom O'Neill
Luminus Management, LLC - Michael Goldenberg
Norges Bank Investment Management - Barry Abramson, Riccardo Sicheri
Pacific Investment Mgmt - PIMCO - Wen-Wen Lindroth
SAC Capital - Neil Choi
Waddell and Reed - Rich Heidemann
Weiss Multi-Strategy Advisers - Jeff Chrzanowski
Zimmer Lucas Partners LLC - Jesse Laudon

John Apgar | Senior Associate
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Citi Research

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, July 09, 2012 3:50 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

Are the names of the 10-15 Institutional Investors now known?

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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Electric Utilities
Citi Investment Research
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john.a.apgar@citi.com

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including the anticipated attendees and the topics you would like to discuss.

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Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124

Charlotte.TerKeurst@cpuc.ca.gov

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To: TerKeurst, Charlotte; Banks, Juliane
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From: Banks, Juliane
To: Apgar, John A
Sent: 7/9/2012 1:04:17 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Thank you for this information. Could you also refresh my memory, was a meeting scheduled with Comr. Ferron last year?

Juliane
415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 12:59 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Not at the moment. We typically put together a tentative schedule and make sure the Commissioners are available before we send out the invites on our end. It would be Portfolio Managers and Analysts from various institutional money managers. I pasted last year's attendance list below to give you an idea, it would probably be many of the same individuals.

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SAC Capital - Neil Choi
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Zimmer Lucas Partners LLC - Jesse Laudon

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, July 09, 2012 3:50 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

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Electric Utilities
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john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From: Apgar, John A
To: 'Banks, Juliane'
Sent: 7/9/2012 1:08:34 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)
Attachments: Southwest Tour - 2011 Revised.pdf

We did have a meeting with Comr. Ferron. The full trip agenda from last year is attached.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, July 09, 2012 4:04 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Thank you for this information. Could you also refresh my memory, was a meeting scheduled with Comr. Ferron last year?

Juliane
415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 12:59 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Not at the moment. We typically put together a tentative schedule and make sure the Commissioners are available before we send out the invites on our end. It would be Portfolio Managers and Analysts from various institutional money managers. I pasted last year's attendance list below to give you an idea, it would probably be many of the same individuals.

Attendees:
AllianceBernstein - Al Caesar
ARC Asset Management - Leon Dubov
Carlson Capital - Stephen Huang
Decade Capital Management LLC - Scott Senchak
Franklin Resources Inc. - John Kohli
Green Arrow Capital - Tom O'Neill
Luminus Management, LLC - Michael Goldenberg
Norges Bank Investment Management - Barry Abramson, Riccardo Sicheri
Pacific Investment Mgmt - PIMCO - Wen-Wen Lindroth
SAC Capital - Neil Choi
Waddell and Reed - Rich Heidemann
Weiss Multi-Strategy Advisers - Jeff Chrzanowski
Zimmer Lucas Partners LLC - Jesse Laudon

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, July 09, 2012 3:50 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

Are the names of the 10-15 Institutional Investors now known?

Juliane
415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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including the anticipated attendees and the topics you would like to discuss.

Thanks,

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Charlotte.TerKeurst@cpuc.ca.gov

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Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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Thank you.

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2011 Southwest Investor Field Trip
Tuesday, September 13th

Contact Numbers:
Faisel Khan's Cell: +1 917 783 3736
Brian Chin's Cell: +1 201 463 5972

9/13	Meeting with PCG Meeting with CPUC Citi Hosted Dinner Stay in San Francisco	Recommended Hotel in San Francisco:	Four Seasons 757 Market St San Francisco, CA 94103 Tel: (415) 633-3000
Time	**Meeting**	**Attendees**	**Address**
9/13 Morning 8:00AM - 10:00AM	PCG Meeting	Kent Harvey, SVP and CFO Chris Johns, President, Pacific Gas & Electric Tom Bottorff, SVP Regulatory Relations Fong Wan, SVP Energy Procurement Gabe Togneri, VP Investor Relations	PG&E Corporation One Market Plaza, Suite 2400 San Francisco, CA 94105
9/13 Afternoon 11:00 AM-5:00 PM	CPUC	Comr. Mark Ferron from 11:00 AM - 12:00 PM Comr. Timothy Simon from 2:30 PM - 3:30 PM Comr. Mike Florio from 4:00 PM - 5:00 PM	CPUC 505 Van Ness Avenue San Francisco, CA 94102
9/13 Evening 6:30 PM	Citi Hosted Client Dinner	Brian Chin Faisel Khan	Town Hall 342 Howard St San Francisco, CA 94105 Tel: (415) 247-7770
9/13 Night	Stay in San Francisco	Recommended Hotel in San Francisco:	Four Seasons 757 Market St San Francisco, CA 94103 Tel: (415) 633-3000
9/14 9:20 AM	Fly to Phoenix	Recommended Flight: US Airways (Fl #685) Depart SFO at 9:20 AM - Arrives PHX 11:13 AM	

2011 Southwest Investor Field Trip
Wednesday, September 14th

Contact Numbers:
Faisel Khan's Cell: +1 917 783 3736
Brian Chin's Cell: +1 201 463 5972

9/14	**Arrive in Phoenix** **Meeting with PNW** **Plant tour of SRE Solar Plant** **Leave for San Diego**	**Recommended Hotel in San Diego:**	**Omni Hotel** 675 L St. San Diego, CA 92101 Tel: 619-231-6664
Time	**Meeting**	**Attendees**	**Address**
9/14 **12:00-2:00 PM**	**Meet with PNW at District Restaurant** **Citi Transportation**	Jim Hartfield - SVP PNW & CFO APS Don Robinson - President PNW & COO APS Jeff Guldner - VP Rate Regulation, APS Becky - Director of IR Geoff Wendt - IR	**District** 320 N. 3rd Street Phoenix, AZ 85004
2:00 PM	**Sempra Solar & Gas Plant Tour** **Citi Transportation**	Sempra Solar Facility Plant Tour (Mesquite) 60 Minute Drive Out of Phoenix	
	Rules for Facility	1) Long plants (no shorts, skirts, or dresses) 2) Shirt sleeves (4" length minimum) 3) Leather shoes (no open toe shoes, high heels, sandals, or tennis shoes)	
9/14 **3:30-5:30 PM**	**Sempra Energy** **PV Solar Plant**	Mesquite Plant Manager Head of Bus Development SRE Power Scott Tomayko - Investor Relations	39903 West Elliot Road Tonopah, AZ 85354
9/14 **7:00 PM**	**Fly to San Diego**	Recommended Flight: United Airlines (Fl # 192) Depart PHX at 8:05 PM - Arrives SD 9:19 PM	
9/14 **9:30 PM**	**Arrive San Diego** **Citi Transportation**	Please meet in Baggage Claim Transport to Hotel	**Omni Hotel** 675 L St. San Diego, CA 92101 Tel: 619-231-6664

2011 Southwest Investor Field Trip
Thursday, September 15th

Contact Numbers:
Faisel Khan's Cell: +1 917 783 3736
Brian Chin's Cell: +1 201 463 5972

9/15	**San Diego Meetings** **Leave San Diego** **Arrive Rosemead** **Meeting with EIX** **Leave for Las Vegas**	**Recommended Hotel in Las Vegas:**	**Four Seasons** 3960 Las Vegas Blvd S Las Vegas, NV 89119 Tel: 702-632-5000
Time	**Meeting**	**Attendees**	**Address**
9/15 **8:00 AM**	**Meet at Hotel Lobby** **Citi Transportation**	8:00 AM in Lobby	**Four Seasons** 3960 Las Vegas Blvd S Las Vegas, NV 89119 Tel: 702-632-5000
9/15 **9:00AM - 11:15 PM**	**Sempra Energy** **Breakfast**	Debbie Reed, CEO Mark Snell, EVP, CFO Jeff Martin, President, CEO, Sempra Generation Mike Allman, President, CEO, SoCalGas Scott Tomayko, VP IR	**Sempra Energy Headquarters** 101 Ash Street San Diego, CA 619-696-2460
9/15 **11:30 AM**	**Travel to Rosemead** **Citi Transportation**	Please meet in Lobby of SRE Headquarters	
9/15 **2:00 PM - 4:00 PM**	**Edison Electric**	Jim Scilacci, CFO EIX Robert Adler, General Counsel EIX Pedro Pizarro, CEO EME Maria Rigatti, CFO EME Ronald Litzinger, CEO SCE Linda Sullivan, CFO SCE Stephen E Pickett, External Affairs SCE	**Edison Electric Headquarters** 2244 Walnut Grove Av Rosemead, CA 626-302-2540
9/15 **5:00 PM**	**Travel to LAX for Las Vegas** **Citi Transportation**	Meet in Lobby of EIX Headquarters Recommended Flight: Continental (Fl # 387) Depart LAX at 6:35 PM - Arrives LAS 7:44 PM	

2011 Southwest Investor Field Trip
Friday, September 16th

Contact Numbers:
Faisel Khan's Cell: +1 917 783 3736
Brian Chin's Cell: +1 201 463 5972

9/16	Meeting with NVE Meeting with SWX Leave Las Vegas for NYC / Sporting Event Organized by Citi Energy Team		
Time	**Meeting**	**Attendees**	**Address**
9/16 8:00 AM	Meet at Hotel Lobby Citi Transportation	8:00 AM in Lobby	**Four Seasons** 3960 Las Vegas Blvd S Las Vegas, NV 89119 Tel: 702-632-5000
9/16 9:00 AM - 11:00 AM	NV Energy Breakfast	Michael Yackira, President and CEO Dilek Samil, SVP, Finance, CFO& Treasurer Tony Sanchez, SVP, Government & Community Strategy Jeff Ceccarelli, SVP, Energy Supply Roberto Denis,SVP, Energy Delivery Robert Stewart, SVP, Customer Relationship Kevin Bethel, VP, Chief Accounting Officer & Controller Max Kuniansky, Executive, IR Britta Carlson, Manager, IR	**NV Energy Headquarters** 6226 W. Sahara Av Las Vega, NV 89146 702-402-5267
9/16 11:00 AM	Leave for SWX	Please meet in Lobby of NVE Headquarters	
9/16 11:30 AM - 1:30 PM	Meeting with Southwest Gas	Jeff Shaw, CEO John Hester, Senior VP Regulatory Affiars & Energy Don Soderberg, VP Pricing Anita Romero, VP Special Projects Ted Wood, Director & Assistant Treasurer Ken Kenny, VP Finance & Treasurer	**Southwest Gas Headquarters** 5241 Spring Mountain Road Las Vegas, NV 98510 (702) 876-7117

From: Banks, Juliane
To: Apgar, John A
Sent: 7/10/2012 2:43:05 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

We are looking at scheduling this meeting on 9/11 in the morning (10-noon). Please confirm if this date and time frame will work on your end. Also, please note that Thursday, Sept. 13 is our Commission Meeting day, so Wednesday would probably not be an ideal day to meet as Comr. Ferron usually likes to devote that day to prepare for the meeting. However, please don't hesitate to let me know if Tuesday is a problem and I will work with you to figure out a solution.

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From: Apgar, John A
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Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

That is great news. Tuesday at that time should work for us. Can we tentatively hold the two hour block and get back to you with the hour that works best by the end of the week?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 5:43 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

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415-703-2284

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From: Apgar, John A
To: 'Mosbaugh, Scott'
Sent: 7/10/2012 4:39:38 PM
Subject: RE: Meeting in Mid-September (Comr. Simon)

Hi Scott,

So far it's looking like Tuesday the 11th in the morning/early afternoon may be best for us. Does Comr. Simon have availability then? If that works, I can get back to you later this week or early next week proposing a specific time.

John Apgar | Senior Associate
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From: Apgar, John A [ICG-CIRA]
Sent: Thursday, June 28, 2012 11:29 AM
To: 'White, Phyllis R.'; 'Simon, Timothy A.'; 'Mosbaugh, Scott'
Subject: RE: Meeting in Mid-September (Comr. Simon)

Great to hear. We appreciate Commissioner Simon taking the time to meet with us. I will reach out to Scott separately to schedule a time.

Regards,

John Apgar
Electric Utilities
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john.a.apgar@citi.com

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From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Wednesday, June 27, 2012 6:49 PM
To: Apgar, John A [ICG-CIRA]; Simon, Timothy A.; Mosbaugh, Scott
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Simon)

Mr. Apgar -- Commissioner Simon has agreed to meet with your tour the week of September 10th. That will be a Commission meeting week so earlier in the week (in particular on that Monday) would be most appreciated. Commissioner Simon's calendar shows him unavailable on Thursday and Friday of that week.

Please contact the Commissioner's scheduler Scott Mosbaugh (rsm@cpuc.ca.gov) as soon has you have a firm date for this meeting.

Regards

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:14 PM
To: White, Phyllis R.
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From: Banks, Juliane
To: Apgar, John A
Sent: 7/10/2012 4:41:51 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Absolutely! Talk to you soon.

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
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Thanks,

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate

Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

IMPORTANT DISCLOSURES
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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From:	Mosbaugh, Scott
To:	'brianchin@citi.com'
Sent:	7/12/2012 12:22:06 PM
Subject:	Meeting Request form
Attachments:	MeetingRequestForm SIMON.doc

Here ya go.

Scott Mosbaugh
Office of Commissioner Simon
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- **To Phyllis White prw@cpuc.ca.gov with a copy to Scott Mosbaugh rsm@cpuc.ca.gov**
- ***For Fax, send all* to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting:	**Today's Date**:
2. Reason for meeting (subject, topic, issues):	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s):	☐ In Person ☐ By phone
Proposed staff: ☐ Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh ☐Bishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	
5. Industry: ☐ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes ☐ No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting 2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes ☐ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title

9. **List your contact information:**

Contact name:		E-mail:
Office phone:	Cell:	Fax No.:
Office use only:		
TAS PRW LBS RMM BBC	Comments:	Confimed date: Confimed time:

Form created 7/13/2011

From: Chin, Brian
To: 'rsm@cpuc.ca.gov'
Sent: 7/12/2012 12:30:35 PM
Subject: still havent seen it yet - just emiling you to be sure.

Brian Chin
Director, Equity Research
Electric Utilities
Citi Investment Research
(o) 212 816 2861
(c) 201 463 5972
brian.chin@citi.com

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From:	Chin, Brian
To:	'prw@cpuc.ca.gov'; 'rsm@cpuc.ca.gov'
Sent:	7/12/2012 1:52:42 PM
Subject:	Thanks Scott - Citi request for short meeting at NARUC Portland
Attachments:	MeetingRequestForm SIMON.doc

Scott - thanks for the brief chat,

I have met with Commissioner Simon several times in the past, usually once a year. Was hoping to meet up with him for about 30 minutes or so (can even be informally over a cup of coffee) while at NARUC. I will be there from Sunday though Wednesday morning. Unlike prior meetings, I will likely be by myself. Probably best to chat right after one of his panels.

Issues to discuss:

- Renewable mandates
- SONGS
- Transmission development
- Overall tone on rates and returns

Brian

Bio: Brian Chin is the Global Head of Electric Utilities Equity Research for Citi Research. His research has received the following recognition: Institutional Investor: (Runner Up in 2011), Greenwich Associates Investor Survey: Independent Power (#1 in 2006–09), Engineering & Construction (Top 3 in 2007–09). The Wall Street Journal: Best of the Street Utilities (#2 in 2008). Forbes Magazine/Starmine: Independent Power Producers (Top 3 in 2006 and 2007). Brian joined the firm in 2001. Previously, Brian was a Certified Public Accountant and worked at KPMG Peat Marwick. He has an MBA degree from Duke University and a BS degree from UC Berkeley.

Brian Chin
Director, Equity Research
Electric Utilities
Citi Investment Research
(o) 212 816 2861
(c) 201 463 5972
brian.chin@citi.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- **To Phyllis White prw@cpuc.ca.gov with a copy to Scott Mosbaugh rsm@cpuc.ca.gov**
- ***For Fax, send all* to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: Brian Chin, Citigroup	**Today's Date**: 7/12/12
2. Reason for meeting (subject, topic, issues): **Cover general issues affecting California Electricity**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): ~30 minutes any time while at NARUC, 7/22-7/25	☒ In Person ☐ By phone
Proposed staff: ☒ Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh ☐Bishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☒ Cancel this meeting request ☐ Assign an advisor	
5. Industry: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes ☒ No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
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8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Brian Chin	**Yes**	**Citigroup**	**Electric Utilities Equity Analyst**

9. **List your contact information:**

Contact name: Brian Chin (Admin Judy Collazo)				E-mail: brian.chin@citi.com
Office phone:	212 816 2861	Cell:	201 463 5972	Fax No.:

Office use only:		
TAS PRW LBS RMM BBC	Comments:	Confimed date: Confimed time:

Form created 7/13/2011

From: Apgar, John A
To: 'vm1@cpuc.ca.gov'
CC: 'Chan, Jovita'; 'dmk@cpuc.ca.gov'
Sent: 7/17/2012 12:00:07 PM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi Valerie,

Just noticed that you were copied on the last email Ditas sent to me. Just as a reminder, we have a meeting with Comr. Ferron from either 10:00 - 11:00, or 11:00 - 12:00. His schedule is flexible during that two hour period, so if you need one of those time slots please let me know. We also have a meeting with Comr. Simon from 2:00 - 3:00. It would be best if we could meet from 3:00 - 4:00, but we are still flexible at this point. Can you please send the meeting request form or direct me to where I can download it. Thank you.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: dmk@cpuc.ca.gov [mailto:dmk@cpuc.ca.gov]
Sent: Monday, July 09, 2012 11:36 AM
To: Apgar, John A [ICG-RSCH]
Cc: Chan, Jovita; vm1@cpuc.ca.gov
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

John,
We are checking. Thanks.
Ditas
Sent from my Verizon Wireless BlackBerry

From: "Apgar, John A " <john.a.apgar@citi.com>
Date: Mon, 9 Jul 2012 08:19:21 -0700
To: Katague, Ditas<dmk@cpuc.ca.gov>
Cc: Chan, Jovita<jovita.chan@cpuc.ca.gov>
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Ditas,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

Ditas,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
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(212) 816-3366
john.a.apgar@citi.com

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From: Malliett, Valerie
To: Apgar, John A
Sent: 7/17/2012 12:03:26 PM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)
Attachments: SandovalMeetingReqFormFinal20120702.doc

Here is a copy of the meeting request form. Don't use the email at the bottom as I am still working on getting that up and running.
I will be reviewing your meeting request with Colette Kersten tomorrow.

Valerie Malliett
415-703-1721

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 12:00 PM
To: Malliett, Valerie
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi Valerie,

Just noticed that you were copied on the last email Ditas sent to me. Just as a reminder, we have a meeting with Comr. Ferron from either 10:00 - 11:00, or 11:00 - 12:00. His schedule is flexible during that two hour period, so if you need one of those time slots please let me know. We also have a meeting with Comr. Simon from 2:00 - 3:00. It would be best if we could meet from 3:00 - 4:00, but we are still flexible at this point. Can you please send the meeting request form or direct me to where I can download it. Thank you.

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From: dmk@cpuc.ca.gov [mailto:dmk@cpuc.ca.gov]
Sent: Monday, July 09, 2012 11:36 AM
To: Apgar, John A [ICG-RSCH]
Cc: Chan, Jovita; vm1@cpuc.ca.gov
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

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Ditas
Sent from my Verizon Wireless BlackBerry

From: "Apgar, John A " <john.a.apgar@citi.com>
Date: Mon, 9 Jul 2012 08:19:21 -0700
To: Katague, Ditas<dmk@cpuc.ca.gov>
Cc: Chan, Jovita<jovita.chan@cpuc.ca.gov>

Subject: RE: Meeting in Mid-September (Comr. Sandoval)

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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

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Thank you.

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date:
Party requesting meeting:
Docket # and Short Name:
Reason for the meeting:
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules. Are you willing to meet with an advisor only?
Industry: Energy ( ) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* ( ) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* ( ) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* ( )
Has or will a hearing be held in this matter? *Yes* ( ) *No* ( )
Attendees (name, title, company):
Proposed date/time of meeting:
Contact name, Phone, e-mail:
---*For Internal Use Only* --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-07-02

From: Apgar, John A
To: 'Gonzalez, Nuria'
Sent: 7/17/2012 12:09:30 PM
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi Nuria,

Just checking in to see if Comr. Peevey is available to meet on Tuesday, September 11th.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-RSCH]
Sent: Monday, July 09, 2012 11:13 AM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:30 PM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Nuria,

The completed request form is attached. Please let me know if you have any questions.

Thank you.

John Apgar

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john.a.apgar@citi.com

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, June 20, 2012 6:28 PM
To: Apgar, John A [ICG-CIRA]; Brown, Carol A.
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

Carol,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately). Please let us know if Commissioner Peevey would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From: Apgar, John A
To: 'Gonzalez, Nuria'
Sent: 7/17/2012 1:05:41 PM
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Thank you for checking, Nuria. Please let us know who is available to meet with us.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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Sent: Tuesday, July 17, 2012 3:16 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi John,
President Peevey is not available, he suggested to meet with his staff.

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 12:09 PM
To: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September (Comr. Peevey)

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Sent: Monday, July 09, 2012 11:13 AM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Subject: RE: Meeting in Mid-September (Comr. Peevey)

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From: Apgar, John A [ICG-CIRA]
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Subject: RE: Meeting in Mid-September (Comr. Peevey)

Nuria,

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, June 20, 2012 6:28 PM
To: Apgar, John A [ICG-CIRA]; Brown, Carol A.
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

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Thank you.

John Apgar
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john.a.apgar@citi.com

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From: Apgar, John A
To: 'Malliett, Valerie'
Sent: 7/17/2012 1:13:26 PM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)
Attachments: SandovalMeetingReqFormFinal20120702.doc

The completed request form is attached.

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Tuesday, July 17, 2012 3:03 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Here is a copy of the meeting request form. Don't use the email at the bottom as I am still working on getting that up and running.
I will be reviewing your meeting request with Colette Kersten tomorrow.

Valerie Malliett
415-703-1721

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 12:00 PM
To: Malliett, Valerie
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi Valerie,

Just noticed that you were copied on the last email Ditas sent to me. Just as a reminder, we have a meeting with Comr. Ferron from either 10:00 - 11:00, or 11:00 - 12:00. His schedule is flexible during that two hour period, so if you need one of those time slots please let me know. We also have a meeting with Comr. Simon from 2:00 - 3:00. It would be best if we could meet from 3:00 - 4:00, but we are still flexible at this point. Can you please send the meeting request form or direct me to where I can download it. Thank you.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: dmk@cpuc.ca.gov [mailto:dmk@cpuc.ca.gov]
Sent: Monday, July 09, 2012 11:36 AM
To: Apgar, John A [ICG-RSCH]
Cc: Chan, Jovita; vm1@cpuc.ca.gov
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

John,
We are checking. Thanks.

Ditas
Sent from my Verizon Wireless BlackBerry

From: "Apgar, John A " <john.a.apgar@citi.com>
Date: Mon, 9 Jul 2012 08:19:21 -0700
To: Katague, Ditas<dmk@cpuc.ca.gov>
Cc: Chan, Jovita<jovita.chan@cpuc.ca.gov>
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Ditas,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

Ditas,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 7/17/12
Party requesting meeting: Brian Chin, Senior Electric Utility Analyst at Citi Investment Research
Docket # and Short Name: N/A
Reason for the meeting: General electric utility industry discussion
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules. Are you willing to meet with an advisor only? No
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company): 10 to 15 Institutional Investors and 3 to 4 Analysts from Citi Investment Research including Brian Chin.
Proposed date/time of meeting: Tuesday, September 11th anytime other than 2:00 – 3:00pm.
Contact name, Phone, e-mail: John Apgar, (212) 816-3366, john.a.apgar@citi.com
---*For Internal Use Only* --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-07-02

From: Apgar, John A
To: 'vm1@cpuc.ca.gov'
Sent: 7/25/2012 10:03:25 AM
Subject: FW: Meeting in Mid-September (Comr. Sandoval)
Attachments: SandovalMeetingReqFormFinal20120702.doc

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
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From: Apgar, John A [ICG-RSCH]
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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
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John Apgar | Senior Associate

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Subject: RE: Meeting in Mid-September (Comr. Sandoval)

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Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

Ditas,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
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john.a.apgar@citi.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 7/17/12
Party requesting meeting: Brian Chin, Senior Electric Utility Analyst at Citi Investment Research
Docket # and Short Name: N/A
Reason for the meeting: General electric utility industry discussion
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules. Are you willing to meet with an advisor only? No
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company): 10 to 15 Institutional Investors and 3 to 4 Analysts from Citi Investment Research including Brian Chin.
Proposed date/time of meeting: Tuesday, September 11th anytime other than 2:00 – 3:00pm.
Contact name, Phone, e-mail: John Apgar, (212) 816-3366, john.a.apgar@citi.com
---*For Internal Use Only* --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-07-02

From: Apgar, John A
To: 'Poirier, Marcelo'
Sent: 7/26/2012 12:27:09 PM
Subject: RE: Contact Info
Attachments: 2012 Request for Meeting (Comr Florio).doc

As per our conversation, it would be great to setup a 1 hour meeting starting at either 10:00am or 11:00am on Tuesday, September 11th. It would be Brian Chin and 10-15 Institutional Investors. The meeting request form is attached. Please let me know if you need anything else.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 3:09 PM
To: Apgar, John A [ICG-RSCH]
Subject: Contact Info

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research)
Today's date: 7/26/12
Docket or proceeding # N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries. Please let me know if we need to be more specific.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research). We will also have 10-15 Institutional Investors with us and will provide a detailed list as soon as possible.
Proposed date/time of meeting: One hour meeting Tuesday, September 11th. 10am or 11:00am would be preferable. The only time we are not available is 2:00-4:00pm.
Contact name: John Apgar, Senior Associate on Citi's Electric Utilities Team
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

From: Apgar, John A
To: 'Poirier, Marcelo'
Sent: 7/27/2012 6:17:30 AM
Subject: RE: Contact Info

Great, we look forward to the meeting. I will send an email to you and Joan with the list of attendees once I have it, which should be within the next few weeks.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 9:42 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Contact Info

John,

I'll set it up for the 11am time. The Commissioner's assistant Joan will send out a meeting invite.

Thanks,

Marcelo

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, July 26, 2012 12:27 PM
To: Poirier, Marcelo
Subject: RE: Contact Info

As per our conversation, it would be great to setup a 1 hour meeting starting at either 10:00am or 11:00am on Tuesday, September 11th. It would be Brian Chin and 10-15 Institutional Investors. The meeting request form is attached. Please let me know if you need anything else.

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 3:09 PM
To: Apgar, John A [ICG-RSCH]
Subject: Contact Info

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

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From: Apgar, John A
To: Banks, Juliane
Sent: 7/27/2012 6:22:24 AM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

Sorry for the delayed response. Can we take the 10:00am time slot?

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 7:42 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Absolutely! Talk to you soon.

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 10, 2012 4:27 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

That is great news. Tuesday at that time should work for us. Can we tentatively hold the two hour block and get back to you with the hour that works best by the end of the week?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 5:43 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

We are looking at scheduling this meeting on 9/11 in the morning (10-noon). Please confirm if this date and time frame will work on your end. Also, please note that Thursday, Sept. 13 is our Commission Meeting day, so Wednesday would probably not be an ideal day to meet as Comr. Ferron usually likes to devote that day to prepare for the meeting. However, please

don't hesitate to let me know if Tuesday is a problem and I will work with you to figure out a solution.

Thanks,

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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Thank you.

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From: Dahlgren, Joan
To: john.a.apgar@citi.com
Sent: 7/27/2012 11:45:30 AM
Subject: Meeting_Request_with_CITI_dated_07_26_12--Meeting Confirmation
Attachments: Meeting_Request_with_CITI_dated_07_26_12.doc

State of California

Memorandum

Date: July 27, 2012

To: John Apgar, Citi Research

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Your meeting request dated 7/26/12**

This will confirm the meeting shown above has been set for (September11,11:00 am), (Room 5209) with (Commissioner Florio, Marcelo Poirier, Sepideh Khosrowjah,Matthew Tisdale). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. **If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date, preferably two weeks prior.**

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From:	Ferron, Mark J. on behalf of Banks, Juliane
To:	TerKeurst, Charlotte; john.a.apgar@citi.com
Sent:	7/27/2012 1:18:06 PM
Subject:	Citi Investment Research Mtg
Attachments:	meeting.ics

BNK 7/10/12

BNK 7/27/12 –updating with exact time frame; list of attendees pending

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Friday, July 27, 2012 6:22 AM
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Power / Electric Utilities

Citi Research

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Juliane

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Subject: RE: Meeting in Mid-September (Comr. Ferron)

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That is great news. Tuesday at that time should work for us. Can we tentatively hold the two hour block and get back to you with the hour that works best by the end of the week?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 5:43 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

We are looking at scheduling this meeting on 9/11 in the morning (10-noon). Please confirm if this date and time frame will work on your end. Also, please note that Thursday, Sept. 13 is our Commission Meeting day, so Wednesday would probably not be an ideal day to meet as Comr. Ferron usually likes to devote that day to prepare for the meeting. However, please don't hesitate to let me know if Tuesday is a problem and I will work with you to figure out a solution.

Thanks,

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate

Power / Electric Utilities

Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-CIRA]

Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst

Chief of Staff for Commissioner Mark J. Ferron

California Public Utilities Commission

(415) 703-3124

Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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16010101T020000

METHOD
REQUEST

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

X-MICROSOFT-CDO-TZID
13

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Citi Investment Research Mtg
Room 5305
20120911T100000
CONFIRMED

DTSTAMP
20120727T201806Z

Start Date/Time
20120911T100000

Summary
Citi Investment Research Mtg

UID
040000008200E00074C5B7101A82E00800000000401C4C14BB5ECD01000000000000000
010000000C4BE7A139DCC514F8ED352969561DE76

Attendee **MAILTO:charlotte.terkeurst@cpuc.ca.gov**
Role REQ-PARTICIPANT
RSVP TRUE

Attendee **MAILTO:john.a.apgar@citi.com**
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (X-SENTBYCN="Banks, Juliane";SENT-BY="MAILTO)
juliane.banks@cpuc.ca .gov";CN="Ferron, Mark J.":MAILTO:mark.ferron@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120911T110000

Description
BNK 7/10/12
BNK 7/27/12 –updating with exact time frame; li st of attendees pending

From: Apgar, John A [mailto:john.a.apgar@citi. com]
Sent: Friday, July 27, 2012 6:22 AM
To: Banks, Juliane
Subject : RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

Sorry fo r the delayed response. Can we take the 10:00am time slot?

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

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(212) 816-3366 | john.a.apgar@citi.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.go v]
Sent: Tuesday, July 10, 2012 7:42 PM
To: Apgar, John A [ICG-RSCH] \NSubject: RE: Meeting in Mid-September (Comr. Ferron)
Absolutely! Talk t o you soon.

Juliane
415-703-2284

From: Apgar, John A [mailto:jo hn.a.apgar@citi.com]
Sent: Tuesday, July 10, 2012 4:27 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Julia ne,

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Cc : Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)
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\N

Sequence Number
0

Priority
5

Categories

CREATED
20120727T201807Z

Last Modified

20120727T201807Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1948551204

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20120727T201806Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120727T201806Z

From: Malliett, Valerie
To: Apgar, John A
CC: Chan, Jovita; Katague, Ditas
Sent: 7/30/2012 4:03:20 PM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Dear Mr. Apgar,

Unfortunately Commissioner Sandoval's schedule is pretty tight the week of September 10 in part because it is a Commission meeting week. However, she is scheduled to speak at the monthly luncheon meeting of the Power Association of Northern California on September 11. This meeting is open to the public. The Commissioner would be available for a coffee at the end of this meeting. You can find out more about the meeting at http://www.panc.org/meetings.shtml

Let me know if you would like to meet with her at the Ferry Building following the PANC meeting on September 11.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Katague, Ditas
Sent: Monday, July 09, 2012 8:36 AM
To: Apgar, John A
Cc: Chan, Jovita; Malliett, Valerie
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

John,
We are checking. Thanks.
Ditas
Sent from my Verizon Wireless BlackBerry

From: "Apgar, John A " <john.a.apgar@citi.com>
Date: Mon, 9 Jul 2012 08:19:21 -0700
To: Katague, Ditas<dmk@cpuc.ca.gov>
Cc: Chan, Jovita<jovita.chan@cpuc.ca.gov>
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Ditas,

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John Apgar | Senior Associate
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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

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From: Apgar, John A
To: Ferron, Mark J.
Sent: 8/9/2012 8:46:50 AM
Subject: Accepted: Citi Investment Research Mtg
Attachments: Attachment1

Name: Attachment1

From: Apgar, John A
To: Banks, Juliane
Sent: 8/9/2012 8:46:50 AM
Subject: Accepted: Citi Investment Research Mtg
Attachments: Attachment1

Name: Attachment1

From: Apgar, John A
To: 'Malliett, Valerie'
CC: 'Chan, Jovita'; 'Katague, Ditas'
Sent: 8/9/2012 8:58:57 AM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi Valerie,

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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Monday, July 30, 2012 7:03 PM
To: Apgar, John A [ICG-RSCH]
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Dear Mr. Apgar,

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California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

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To: Apgar, John A
Cc: Chan, Jovita; Malliett, Valerie
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

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From: Malliett, Valerie
To: Apgar, John A
CC: Chan, Jovita; Katague, Ditas
Sent: 8/9/2012 10:23:47 AM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi John,

I apologize for taking so long to get back to you. How about we set up a meeting for 3pm here at the commission offices?

Valerie Malliett
415-703-1721

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, August 09, 2012 8:59 AM
To: Malliett, Valerie
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

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From: Apgar, John A
To: 'Malliett, Valerie'
CC: 'Chan, Jovita'; 'Katague, Ditas'
Sent: 8/9/2012 10:32:44 AM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

That would be perfect. Thanks, Valerie. I'll get you the list of attendees we plan on bringing to the meeting shortly.

John Apgar | Senior Associate
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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
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Sent: Monday, July 09, 2012 8:36 AM
To: Apgar, John A
Cc: Chan, Jovita; Malliett, Valerie
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

John,
We are checking. Thanks.
Ditas
Sent from my Verizon Wireless BlackBerry

From: "Apgar, John A " <john.a.apgar@citi.com>
Date: Mon, 9 Jul 2012 08:19:21 -0700
To: Katague, Ditas<dmk@cpuc.ca.gov>
Cc: Chan, Jovita<jovita.chan@cpuc.ca.gov>
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM

To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

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Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Valerie,

Just wanted to confirm our meeting with Comr. Sandoval tomorrow at 3:00 PM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

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Good morning Ditas,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
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Citi Research

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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

Ditas,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From: Apgar, John A
To: 'Poirier, Marcelo'
Sent: 9/10/2012 7:17:13 AM
Subject: RE: Contact Info

Good morning Marcelo,

Just wanted to confirm our meeting with Comr. Florio tomorrow at 11:00 AM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

John Apgar, CFA | Senior Associate
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From: Apgar, John A [ICG-RSCH]
Sent: Friday, July 27, 2012 9:18 AM
To: 'Poirier, Marcelo'
Subject: RE: Contact Info

Great, we look forward to the meeting. I will send an email to you and Joan with the list of attendees once I have it, which should be within the next few weeks.

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 9:42 PM
To: Apgar, John A [ICG-RSCH]

Subject: RE: Contact Info

John,

I'll set it up for the 11am time. The Commissioner's assistant Joan will send out a meeting invite.

Thanks,

Marcelo

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, July 26, 2012 12:27 PM
To: Poirier, Marcelo
Subject: RE: Contact Info

As per our conversation, it would be great to setup a 1 hour meeting starting at either 10:00am or 11:00am on Tuesday, September 11th. It would be Brian Chin and 10-15 Institutional Investors. The meeting request form is attached. Please let me know if you need anything else.

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 3:09 PM
To: Apgar, John A [ICG-RSCH]
Subject: Contact Info

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

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From: Apgar, John A
To: 'Banks, Juliane'
Sent: 9/10/2012 7:18:37 AM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Juliane,

Just wanted to confirm our meeting with Comr. Ferron tomorrow at 10:00 AM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

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From: Apgar, John A [ICG-RSCH]
Sent: Friday, July 27, 2012 9:22 AM
To: 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

Sorry for the delayed response. Can we take the 10:00am time slot?

John Apgar | Senior Associate
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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 7:42 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Absolutely! Talk to you soon.

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 10, 2012 4:27 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

That is great news. Tuesday at that time should work for us. Can we tentatively hold the two hour block and get back to you with the hour that works best by the end of the week?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 5:43 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

We are looking at scheduling this meeting on 9/11 in the morning (10-noon). Please confirm if this date and time frame will work on your end. Also, please note that Thursday, Sept. 13 is our Commission Meeting day, so Wednesday would probably not be an ideal day to meet as Comr. Ferron usually likes to devote that day to prepare for the meeting. However, please don't hesitate to let me know if Tuesday is a problem and I will work with you to figure out a solution.

Thanks,

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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Research disclosure website at https://www.citivelocity.com/cvr/eppublic/citi_research_disclosures.

From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
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(212) 816-3366
john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From: Apgar, John A
To: 'Gonzalez, Nuria'; 'cab@cpuc.ca.gov'
Sent: 9/10/2012 7:51:59 AM
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Given that President Peevey is unable to meet with us tomorrow, Carol, can you meet with us tomorrow? The attendance list for the trip is below. Our focus would be on PCG, EIX, SRE and general regulatory policy in California. We are also meeting Comrs. Florio, Sandoval, and Ferron.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, July 17, 2012 4:15 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

You are welcome!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 1:06 PM
To: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Thank you for checking, Nuria. Please let us know who is available to meet with us.

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Research disclosure website at https://www.citivelocity.com/cvr/eppublic/citi_research_disclosures.

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, July 17, 2012 3:16 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi John,
President Peevey is not available, he suggested to meet with his staff.

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 12:09 PM
To: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi Nuria,

Just checking in to see if Comr. Peevey is available to meet on Tuesday, September 11th.

John Apgar | Senior Associate
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From: Apgar, John A [ICG-RSCH]
Sent: Monday, July 09, 2012 11:13 AM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:30 PM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Nuria,

The completed request form is attached. Please let me know if you have any questions.

Thank you.

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Electric Utilities
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john.a.apgar@citi.com

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, June 20, 2012 6:28 PM
To: Apgar, John A [ICG-CIRA]; Brown, Carol A.
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

Carol,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately). Please let us know if Commissioner Peevey would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From: Malliett, Valerie
To: Apgar, John A
Sent: 9/10/2012 9:59:04 AM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi John,

Thanks for the list of people coming. I appreciate having notice so I can make sure we have adequate space.

You are confirmed for tomorrow at 3pm in room 5305. Commissioner Sandoval's advisors Colette Kersten and Stephen St. Marie will be there.

Let me know if you have any questions.

Valerie Malliett
415-703-1721

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, September 10, 2012 7:13 AM
To: Malliett, Valerie
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Valerie,

Just wanted to confirm our meeting with Comr. Sandoval tomorrow at 3:00 PM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

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From: Apgar, John A [ICG-RSCH]
Sent: Thursday, August 09, 2012 1:48 PM
To: 'Malliett, Valerie'
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Excellent, thanks. My best guess is that we will have 15 people. I doubt we will have more than 20.

John Apgar | Senior Associate

Power / Electric Utilities
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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Thursday, August 09, 2012 1:39 PM
To: Apgar, John A [ICG-RSCH]
Subject: FW: Meeting in Mid-September (Comr. Sandoval)

Do over

Confirm: Tuesday September 11 at 3pm room 5305

Valerie Malliett
415-703-1721

From: Malliett, Valerie
Sent: Thursday, August 09, 2012 10:38 AM
To: 'Apgar, John A '
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Great – I am putting you in Room 5305 as we discussed. This room will hold up to 25 people. But please do forward a list so we can make sure there are actual chairs in the room. I think though that you scheduled the other meetings in the same room so it shouldn't be an issue.

Confirm: Thursday September 11 at 3pm room 5305.

Valerie Malliett
415-703-1721

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, August 09, 2012 10:33 AM
To: Malliett, Valerie
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

That would be perfect. Thanks, Valerie. I'll get you the list of attendees we plan on bringing to the meeting shortly.

John Apgar | Senior Associate
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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Thursday, August 09, 2012 1:24 PM
To: Apgar, John A [ICG-RSCH]
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi John,

I apologize for taking so long to get back to you. How about we set up a meeting for 3pm here at the commission offices?

Valerie Malliett
415-703-1721

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, August 09, 2012 8:59 AM
To: Malliett, Valerie
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Hi Valerie,

We have meetings with Comr. Ferron from 10-11, Comr. Florio from 11-12, and Comr. Simon from 2-3. What time would Comr. Sandoval be available for coffee? If we went to the Ferry Building to meet her for coffee would we need to register for the PANC event?

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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Monday, July 30, 2012 7:03 PM
To: Apgar, John A [ICG-RSCH]
Cc: Chan, Jovita; Katague, Ditas
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Dear Mr. Apgar,

Unfortunately Commissioner Sandoval's schedule is pretty tight the week of September 10 in part because it is a Commission meeting week. However, she is scheduled to speak at the monthly luncheon meeting of the Power Association of Northern California on September 11. This meeting is open to the public. The Commissioner would be available for a coffee at the end of this meeting. You can find out more about the meeting at http://www.panc.org/meetings.shtml

Let me know if you would like to meet with her at the Ferry Building following the PANC meeting on September 11.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Katague, Ditas
Sent: Monday, July 09, 2012 8:36 AM
To: Apgar, John A
Cc: Chan, Jovita; Malliett, Valerie
Subject: Re: Meeting in Mid-September (Comr. Sandoval)

John,
We are checking. Thanks.
Ditas
Sent from my Verizon Wireless BlackBerry

From: "Apgar, John A " <john.a.apgar@citi.com>
Date: Mon, 9 Jul 2012 08:19:21 -0700
To: Katague, Ditas<dmk@cpuc.ca.gov>
Cc: Chan, Jovita<jovita.chan@cpuc.ca.gov>
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Good morning Ditas,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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From: Apgar, John A [ICG-CIRA]
Sent: Wednesday, June 20, 2012 6:15 PM
To: 'dmk@cpuc.ca.gov'; 'jovita.chan@cpuc.ca.gov'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: Meeting in Mid-September (Comr. Sandoval)

Ditas,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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From: Apgar, John A
To: 'Malliett, Valerie'
Sent: 9/10/2012 10:06:46 AM
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

Thanks, Valerie.

Commissioner Sandoval will also be present at the meeting, right?

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Monday, September 10, 2012 12:59 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Sandoval)

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We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Sandoval and the other Commissioners (separately). Please let us know if Commissioner Sandoval would be willing to meet with us and if she has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Goldthrite, Cody
To: 'Apgar, John A '
CC: Brown, Carol A.
Sent: 9/10/2012 1:36:53 PM
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good afternoon,

Does 4 PM tomorrow work?

Cody Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, September 10, 2012 7:52 AM
To: Gonzalez, Nuria; Brown, Carol A.
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Given that President Peevey is unable to meet with us tomorrow, Carol, can you meet with us tomorrow? The attendance list for the trip is below. Our focus would be on PCG, EIX, SRE and general regulatory policy in California. We are also meeting Comrs. Florio, Sandoval, and Ferron.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, July 17, 2012 4:15 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

You are welcome!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 1:06 PM
To: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Thank you for checking, Nuria. Please let us know who is available to meet with us.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, July 17, 2012 3:16 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi John,
President Peevey is not available, he suggested to meet with his staff.

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 12:09 PM
To: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi Nuria,

Just checking in to see if Comr. Peevey is available to meet on Tuesday, September 11th.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-RSCH]
Sent: Monday, July 09, 2012 11:13 AM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:30 PM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Nuria,

The completed request form is attached. Please let me know if you have any questions.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, June 20, 2012 6:28 PM
To: Apgar, John A [ICG-CIRA]; Brown, Carol A.
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

Carol,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Peevey and the other Commissioners (separately). Please let us know if Commissioner Peevey would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

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From: Apgar, John A
To: Brown, Carol A.
Sent: 9/10/2012 1:44:53 PM
Subject: Accepted: Citi Research
Attachments: Attachment1

Name: Attachment1

From: Apgar, John A
To: Gonzalez, Nuria; Goldthrite, Cody
Sent: 9/10/2012 1:44:53 PM
Subject: Accepted: Citi Research
Attachments: Attachment1

Name: Attachment1

From: Apgar, John A
To: 'Goldthrite, Cody'
CC: 'Brown, Carol A.'; Tarola, Lauren
Sent: 9/10/2012 1:47:00 PM
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Cody,

4 PM works. Thank you for taking the meeting on such short notice.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Monday, September 10, 2012 4:37 PM
To: Apgar, John A [ICG-RSCH]
Cc: Brown, Carol A.
Subject: RE: Meeting in Mid-September (Comr. Peevey)

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Does 4 PM tomorrow work?

Cody Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

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Sent: Monday, September 10, 2012 7:52 AM
To: Gonzalez, Nuria; Brown, Carol A.
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

Given that President Peevey is unable to meet with us tomorrow, Carol, can you meet with us tomorrow? The attendance list for the trip is below. Our focus would be on PCG, EIX, SRE and general regulatory policy in California. We are also meeting Comrs. Florio, Sandoval, and Ferron.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC

Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

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Sent: Tuesday, July 17, 2012 1:06 PM
To: Gonzalez, Nuria
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To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi John,
President Peevey is not available, he suggested to meet with his staff.

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 17, 2012 12:09 PM

To: Gonzalez, Nuria
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Hi Nuria,

Just checking in to see if Comr. Peevey is available to meet on Tuesday, September 11th.

John Apgar | Senior Associate
Power / Electric Utilities
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From: Apgar, John A [ICG-RSCH]
Sent: Monday, July 09, 2012 11:13 AM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Good morning Nuria and Carol,

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:30 PM
To: 'Gonzalez, Nuria'; 'Brown, Carol A.'
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Nuria,

The completed request form is attached. Please let me know if you have any questions.

Thank you.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, June 20, 2012 6:28 PM
To: Apgar, John A [ICG-CIRA]; Brown, Carol A.
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Peevey)

Please complete the attached form. Thanks!

Nuria

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wednesday, June 20, 2012 3:15 PM
To: Brown, Carol A.; Gonzalez, Nuria
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Peevey)

Carol,

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Thank you.

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From: Apgar, John A
To: 'Poirier, Marcelo'
Sent: 9/10/2012 2:02:52 PM
Subject: RE: Contact Info

Great. Thanks, Marcelo.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Monday, September 10, 2012 4:39 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Contact Info

John,

Yes, we are confirmed for the meeting tomorrow.

Thanks,

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

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From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, September 10, 2012 7:17 AM
To: Poirier, Marcelo
Subject: RE: Contact Info

Good morning Marcelo,

Just wanted to confirm our meeting with Comr. Florio tomorrow at 11:00 AM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research

Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

John Apgar, CFA | Senior Associate
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From: Apgar, John A [ICG-RSCH]
Sent: Friday, July 27, 2012 9:18 AM
To: 'Poirier, Marcelo'
Subject: RE: Contact Info

Great, we look forward to the meeting. I will send an email to you and Joan with the list of attendees once I have it, which should be within the next few weeks.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 9:42 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Contact Info

John,

I'll set it up for the 11am time. The Commissioner's assistant Joan will send out a meeting invite.

Thanks,

Marcelo

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission

505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Thursday, July 26, 2012 12:27 PM
To: Poirier, Marcelo
Subject: RE: Contact Info

As per our conversation, it would be great to setup a 1 hour meeting starting at either 10:00am or 11:00am on Tuesday, September 11th. It would be Brian Chin and 10-15 Institutional Investors. The meeting request form is attached. Please let me know if you need anything else.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

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(212) 816-3366 | john.a.apgar@citi.com

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From: Poirier, Marcelo [mailto:marcelo.poirier@cpuc.ca.gov]
Sent: Thursday, July 26, 2012 3:09 PM
To: Apgar, John A [ICG-RSCH]
Subject: Contact Info

Marcelo L. Poirier
Legal and Policy Advisor
Office of Commissioner Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tel. (415) 703-2913
Email: mpo@cpuc.ca.gov

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From: Banks, Juliane
To: Apgar, John A
Sent: 9/10/2012 4:50:46 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

My apologies for not responding earlier—yes, you are confirmed for tomorrow. Thanks for sending the list of attendees.

Thanks,
Juliane

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, September 10, 2012 7:19 AM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Juliane,

Just wanted to confirm our meeting with Comr. Ferron tomorrow at 10:00 AM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

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From: Apgar, John A [ICG-RSCH]
Sent: Friday, July 27, 2012 9:22 AM
To: 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

Sorry for the delayed response. Can we take the 10:00am time slot?

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 7:42 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Absolutely! Talk to you soon.

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 10, 2012 4:27 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

That is great news. Tuesday at that time should work for us. Can we tentatively hold the two hour block and get back to you with the hour that works best by the end of the week?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 5:43 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

We are looking at scheduling this meeting on 9/11 in the morning (10-noon). Please confirm if this date and time frame will work on your end. Also, please note that Thursday, Sept. 13 is our Commission Meeting day, so Wednesday would probably not be an ideal day to meet as Comr. Ferron usually likes to devote that day to prepare for the meeting. However, please don't hesitate to let me know if Tuesday is a problem and I will work with you to figure out a solution.

Thanks,

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM
To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124

Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

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Thank you.

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From: Apgar, John A
To: 'Banks, Juliane'
Sent: 9/10/2012 4:51:37 PM
Subject: RE: Meeting in Mid-September (Comr. Ferron)

No worries, Juliane. Thanks for getting back to me.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, September 10, 2012 7:51 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

My apologies for not responding earlier—yes, you are confirmed for tomorrow. Thanks for sending the list of attendees.

Thanks,
Juliane

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, September 10, 2012 7:19 AM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Juliane,

Just wanted to confirm our meeting with Comr. Ferron tomorrow at 10:00 AM and send you the list of attendees we are bringing. We had less clients sign up than originally anticipated. The attendee list is below. Please let me know if you need anything else.

Brian Chin	Citi Investment Research
Amit Marwaha	Citi Investment Research
Senchak, Scott	Decade Capital Management LLC
Kohli, John	Franklin Resources Inc.
Fogarty, Eric	Goldman Sachs Asset Management
Goldenberg, Michael	Luminus Management, LLC
Fallon, Matt	Talon Capital

John Apgar, CFA | Senior Associate
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From: Apgar, John A [ICG-RSCH]
Sent: Friday, July 27, 2012 9:22 AM
To: 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

Sorry for the delayed response. Can we take the 10:00am time slot?

John Apgar | Senior Associate
Power / Electric Utilities
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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 7:42 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Absolutely! Talk to you soon.

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, July 10, 2012 4:27 PM
To: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi Juliane,

That is great news. Tuesday at that time should work for us. Can we tentatively hold the two hour block and get back to you with the hour that works best by the end of the week?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, July 10, 2012 5:43 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Hi John,

We are looking at scheduling this meeting on 9/11 in the morning (10-noon). Please confirm if this date and time frame will work on your end. Also, please note that Thursday, Sept. 13 is our Commission Meeting day, so Wednesday would probably not be an ideal day to meet as Comr. Ferron usually likes to devote that day to prepare for the meeting. However, please don't hesitate to let me know if Tuesday is a problem and I will work with you to figure out a solution.

Thanks,

Juliane

415-703-2284

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, July 09, 2012 8:16 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Good morning Charlotte,

Just following up on the meeting request to see if the week of September 10th would work. It is looking like we will be in San Francisco on Tuesday or Wednesday, but those days are not firm yet.

John Apgar | Senior Associate
Power / Electric Utilities
Citi Research

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From: Apgar, John A [ICG-CIRA]
Sent: Monday, June 25, 2012 4:47 PM
To: 'TerKeurst, Charlotte'; 'Banks, Juliane'
Subject: RE: Meeting in Mid-September (Comr. Ferron)

Charlotte and Juliane,

The completed meeting request form is attached.

John Apgar
Electric Utilities
Citi Investment Research
(212) 816-3366
john.a.apgar@citi.com

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From: TerKeurst, Charlotte [mailto:charlotte.terkeurst@cpuc.ca.gov]
Sent: Thursday, June 21, 2012 1:09 PM

To: Apgar, John A [ICG-CIRA]; Banks, Juliane
Cc: Pourreza, Shahriar [ICG-CIRA]
Subject: RE: Meeting in Mid-September (Comr. Ferron)

John,

We ask that you submit the meeting request form on Commissioner Ferron's website:

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

including the anticipated attendees and the topics you would like to discuss.

Thanks,

Charlotte F. TerKeurst
Chief of Staff for Commissioner Mark J. Ferron
California Public Utilities Commission
(415) 703-3124
Charlotte.TerKeurst@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Wed 6/20/2012 3:13 PM
To: TerKeurst, Charlotte; Banks, Juliane
Cc: Pourreza, Shahriar
Subject: Meeting in Mid-September (Comr. Ferron)

Charlotte,

We are starting to plan for our annual Southwest Investor tour, which will take place the week of September 10th. We would very much like to setup a meeting with Commissioner Ferron and the other Commissioners (separately). Please let us know if Commissioner Ferron would be willing to meet with us and if he has availability that week. Shar Pourreza (copied) on our team will be planning the trip this year, so please include him in your reply.

Thank you.

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john.a.apgar@citi.com

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From: Apgar, John A
To: 'am3@cpuc.ca.gov'
Sent: 11/26/2012 12:28:50 PM
Subject: Citi Meeting Request

Hi Anna Marie,

We are planning a trip out to California in January to visit with the major electric and gas utilities and would like to setup a meeting with Paul if he's available. Is Paul available the morning of 1/10/13? It would be Brian Chin, the Senior Electric Utility Analyst and Faisel Khan, the Senior Oil and Gas Analyst at Citi Investment Research, and a group of ~10 Institutional Investors.

Thank you,

John Apgar, CFA | Senior Associate
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From: Madrigal, Anna-Marie
To: 'Apgar, John A '
Sent: 11/26/2012 4:49:34 PM
Subject: RE: Citi Meeting Request

Thank you, John—
Jan 10th is a Commission Meeting Day, therefore, no, Paul is NOT available in the morning as he is required to attend this meeting.
After the lunch hour he is open, when the meeting is over.
Anytime after 1:30pm will work.
Please advise.
Thank you

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, November 26, 2012 12:29 PM
To: Madrigal, Anna-Marie
Subject: Citi Meeting Request

Hi Anna Marie,

We are planning a trip out to California in January to visit with the major electric and gas utilities and would like to setup a meeting with Paul if he's available. Is Paul available the morning of 1/10/13? It would be Brian Chin, the Senior Electric Utility Analyst and Faisel Khan, the Senior Oil and Gas Analyst at Citi Investment Research, and a group of ~10 Institutional Investors.

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From: Apgar, John A
To: 'Madrigal, Anna-Marie'
Sent: 11/27/2012 5:52:15 AM
Subject: RE: Citi Meeting Request

Thanks for getting back to me, Anna Marie. Let me see if I can move our PG&E meeting from the afternoon to the morning. I'll get back to you as soon as I hear from them.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, November 26, 2012 7:50 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Citi Meeting Request

Thank you, John—
Jan 10th is a Commission Meeting Day, therefore, no, Paul is NOT available in the morning as he is required to attend this meeting.
After the lunch hour he is open, when the meeting is over.
Anytime after 1:30pm will work.
Please advise.
Thank you

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From: Apgar, John A [mailto:john.a.apgar@citi.com]
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Thank you,

John Apgar, CFA | Senior Associate
Power / Electric Utilities

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From: Madrigal, Anna-Marie
To: 'Apgar, John A '
Sent: 11/27/2012 10:19:26 AM
Subject: RE: Citi Meeting Request

Thanks, John.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, November 27, 2012 5:52 AM
To: Madrigal, Anna-Marie
Subject: RE: Citi Meeting Request

Thanks for getting back to me, Anna Marie. Let me see if I can move our PG&E meeting from the afternoon to the morning. I'll get back to you as soon as I hear from them.

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Power / Electric Utilities
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, November 26, 2012 7:50 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Citi Meeting Request

Thank you, John—
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To: Madrigal, Anna-Marie
Subject: Citi Meeting Request

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From: Apgar, John A
To: 'Madrigal, Anna-Marie'
Sent: 11/29/2012 8:30:34 AM
Subject: RE: Citi Meeting Request

Hi Anna-Marie,

We were able to move our PG&E meeting to the morning. Can we meet with Paul from 1:30-2:30?

John Apgar, CFA | Senior Associate
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, November 27, 2012 1:19 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Citi Meeting Request

Thanks, John.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, November 27, 2012 5:52 AM
To: Madrigal, Anna-Marie
Subject: RE: Citi Meeting Request

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, November 26, 2012 7:50 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: Citi Meeting Request

Thank you, John—
Jan 10th is a Commission Meeting Day, therefore, no, Paul is NOT available in the morning as he is required to attend this meeting.
After the lunch hour he is open, when the meeting is over.
Anytime after 1:30pm will work.
Please advise.
Thank you

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From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, November 26, 2012 12:29 PM
To: Madrigal, Anna-Marie
Subject: Citi Meeting Request

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Thank you,

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From: Apgar, John A
To: 'am3@cpuc.ca.gov'
Sent: 12/3/2012 9:52:07 AM
Subject: FW: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Here is the draft of the flyer. We have sent it out yet to our clients.

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header

Field Trip

Brian Chin is hosting a trip to visit California utility companies and commissioners

Wednesday, January 9th

Fly to San Francisco

Thursday, January 10th

Location: San Francisco, CA

Agenda:

8:00 AM – 10:30 AM breakfast with **PG&E Corp.** (PCG, 1, $18B)

Management attendees:
- Kent Harvey, SVP and CFO
- Geisha Williams, EVP Electric Operations
- Nick Stavropoulos, EVP Gas Operations
- Fong Wan, SVP Energy Procurement
- Dinyar Mistry, VP Controller (possible)

Afternoon meetings with **CPUC**

Paul Clanon, CPUC Executive Director

Dinner with Gary Ackerman, Executive Director of the Western Power Trading Forum

Friday, January 11th

Location: San Diego, CA

Agenda:

Fly to San Diego in the morning

9:00 AM – 11:00 AM meeting with **Sempra Energy** (SRE, 1, $16.5B)

Management attendees:
Debbie Reed, CEO
Joe Householder, SVP and CFO
Utility team
International business head

Bus from Sempra Energy to Edison International

2:00 PM – 4:00 PM meeting with **Edison International** (EIX, 2, $14.8B)

Management attendees:
Parent, Utility, and IPP CEOs/CFOs

Managed by Lauren Tarola

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From:	Apgar, John A
To:	'Madrigal, Anna-Marie'
Sent:	12/3/2012 10:00:54 AM
Subject:	RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego
Attachments:	image001.jpg; image002.jpg; image003.gif; image004.jpg

Correction to my email below. We did NOT send this out to our clients yet.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, December 03, 2012 1:00 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Thanks John,
I'll pass this onto Paul and let you know.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, December 03, 2012 9:52 AM
To: Madrigal, Anna-Marie
Subject: FW: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Here is the draft of the flyer. We have sent it out yet to our clients.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
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- Debbie Reed, CEO
- Joe Householder, SVP and CFO
- Utility team

International business head

Bus from Sempra Energy to Edison International

2:00 PM – 4:00 PM meeting with **Edison International** (EIX, 2, $14.8B)

Management attendees:
Parent, Utility, and IPP CEOs/CFOs

Managed by Lauren Tarola

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From:	Apgar, John A
To:	'Madrigal, Anna-Marie'
Sent:	12/3/2012 12:19:06 PM
Subject:	RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego
Attachments:	image001.jpg; image002.jpg; image003.gif; image004.jpg

Hi Anna-Marie,

Just got back to my desk and got your VM. I'll tentatively mark down the meeting for 1:30. If you need to move it to a later time that will not be an issue.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, December 03, 2012 1:00 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Thanks John,
I'll pass this onto Paul and let you know.

Anna-Marie Madrigal
Executive Director's Office
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O: 415.703.1636
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Parent, Utility, and IPP CEOs/CFOs

Managed by Lauren Tarola

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From:	Apgar, John A
To:	'Madrigal, Anna-Marie'
CC:	Tarola, Lauren
Sent:	12/6/2012 8:30:47 AM
Subject:	RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego
Attachments:	image001.jpg; image002.jpg; image003.gif; image004.jpg

Hi Anna-Marie,

What is the maximum number of attendees we can bring to the meeting?

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Apgar, John A [ICG-RSCH]
Sent: Monday, December 03, 2012 3:19 PM
To: 'Madrigal, Anna-Marie'
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, December 03, 2012 1:00 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Thanks John,
I'll pass this onto Paul and let you know.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission

505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, December 03, 2012 9:52 AM
To: Madrigal, Anna-Marie
Subject: FW: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Here is the draft of the flyer. We have sent it out yet to our clients.

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Field Trip

Brian Chin is hosting a trip to visit California utility companies and commissioners

Wednesday, January 9th

Fly to San Francisco

Thursday, January 10th

Location: San Francisco, CA

Agenda:

8:00 AM – 10:30 AM breakfast with **PG&E Corp.** (PCG, 1, $18B)

Management attendees:
Kent Harvey, SVP and CFO
Geisha Williams, EVP Electric Operations
Nick Stavropoulos, EVP Gas Operations

Fong Wan, SVP Energy Procurement
Dinyar Mistry, VP Controller (possible)

Afternoon meetings with **CPUC**

Paul Clanon, CPUC Executive Director

Dinner with Gary Ackerman, Executive Director of the Western Power Trading Forum

Friday, January 11th

Location: San Diego, CA

Agenda:

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Bus from Sempra Energy to Edison International

2:00 PM – 4:00 PM meeting with **Edison International** (EIX, 2, $14.8B)

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From:	Apgar, John A
To:	'Madrigal, Anna-Marie'
CC:	Tarola, Lauren
Sent:	12/6/2012 10:13:38 AM
Subject:	RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego
Attachments:	image001.jpg; image002.jpg; image003.gif; image004.jpg

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From: Apgar, John A
To: 'Madrigal, Anna-Marie'
CC: Tarola, Lauren
Sent: 12/10/2012 4:42:20 PM
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego
Attachments: image001.jpg; image002.jpg; image003.gif; image004.jpg

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From: Mixter, Katy
To: 'sustainability@citi.com'
CC: Schlein, Bruce S
Sent: 1/7/2013 11:23:25 AM
Subject: Save the Date: Innovations in Energy Efficiency Finance II

Description:
Description:
cid:image001.png

Description:
Description:
cid:image002.png@0

SAVE THE DATE
Innovations in Energy Efficiency Finance II

Citi and Environmental Defense Fund cordially invite you to our second convening of practitioners on energy efficiency finance: new partnerships, optimized policies and solutions, learnings from innovative transactions, and keys to achieving scale in energy efficiency and distributed generation markets.

February 28, 2013
9:30am - 4:30pm Convening and lunch
4:30pm - 6:00pm Cocktails

Terra Gallery, 511 Harrison Street, San Francisco

By invitation only. Please RSVP to Katy Mixter (katy.mixter@citi.com) with your name, title and organization, and whether or not you plan to join for cocktails.

Regards,

Brad Copithorne, EDF, Director Clean Energy Financing Solutions
Lauren Faber, EDF, West Coast Political Director
Marshal Salant, Citi, Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, Director Corporate Sustainability

From: Apgar, John A
To: 'Madrigal, Anna-Marie'
CC: Tarola, Lauren ; Terashima, Naomi
Sent: 1/7/2013 1:46:32 PM
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego
Attachments: image001.jpg; image002.jpg; image003.gif; image004.jpg

Hi Anna-Marie,

Just wanted to check in and confirm our meeting on Thursday. We have 21 people total signed up for the meeting. In addition to the list below, there will be 3 analysts from Citi attending, Brian Chin, Faisel Khan, and Mike Matus. Separately, do you know if the room we are meeting in will be open for the afternoon because we potentially have a meeting with Commissioner Florio from 2:30-3:00 and President Peevey after that. Please let me know if you need anything else from us.

Thanks.

Account Name	Contact
Atlantic Trust Co	Usechek, Sean
Brookfield Investment Mgmt	Wernick, Richard
Capital Research Global	Bevan, Tom
Carlson Capital	Huang, Stephen
Decade Capital Management LLC	Senchak, Scott
Duff and Phelps Investors	Brown, Joyolin
Franklin Resources Inc.	Schmicker, Blair
Green Arrow Capital	O'Neill, Tom
ING Investments	Byrne, Kelly
Invesco Capital Management	Snyder, Evan
JP Morgan	Fominykh, Konstantin (Ken)
Luminus Management, LLC	Goldenberg, Michael
P Schoenfeld Asset Management (PSAM)	Brown, Philip (CPUC only)
Pacific Life Insurance	Lindroth, Wen-Wen
RREEF Real Estate Securities	Foelske, Ryan
T Rowe Price	Krichbaum, Steve
Talon Capital	Fallon, Matt
York Capital	Rosenbaum, Jeff

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Sent: Tuesday, December 11, 2012 6:13 PM
To: Apgar, John A [ICG-RSCH]
Cc: Tarola, Lauren [ICG-MKTS]
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Have not heard back from Paul, so I assume no list is necessary.

Thank you and we'll see you (and your team) on Jan 10th!

Anna-Marie Madrigal
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From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, December 10, 2012 4:42 PM
To: Madrigal, Anna-Marie
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, December 03, 2012 1:00 PM
To: Apgar, John A [ICG-RSCH]
Subject: RE: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Thanks John,
I'll pass this onto Paul and let you know.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Monday, December 03, 2012 9:52 AM
To: Madrigal, Anna-Marie
Subject: FW: California Utility Trip | Jan 10 & 11 | San Francisco & San Diego

Here is the draft of the flyer. We have sent it out yet to our clients.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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header

Field Trip

Brian Chin is hosting a trip to visit California utility companies and commissioners

Wednesday, January 9th

Fly to San Francisco

Thursday, January 10th

Location: San Francisco, CA

Agenda:

8:00 AM – 10:30 AM breakfast with **PG&E Corp.** (PCG, 1, $18B)

Management attendees:
Kent Harvey, SVP and CFO
Geisha Williams, EVP Electric Operations
Nick Stavropoulos, EVP Gas Operations
Fong Wan, SVP Energy Procurement
Dinyar Mistry, VP Controller (possible)

Afternoon meetings with **CPUC**

Paul Clanon, CPUC Executive Director

Dinner with Gary Ackerman, Executive Director of the Western Power Trading Forum

Friday, January 11th

Location: San Diego, CA

Agenda:

Fly to San Diego in the morning

9:00 AM – 11:00 AM meeting with **Sempra Energy** (SRE, 1, $16.5B)

Management attendees:
Debbie Reed, CEO

Joe Householder, SVP and CFO
Utility team
International business head

Bus from Sempra Energy to Edison International

2:00 PM – 4:00 PM meeting with **Edison International** (EIX, 2, $14.8B)

Management attendees:
Parent, Utility, and IPP CEOs/CFOs

Managed by Lauren Tarola

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Citi Equities | Americas Corporate Access
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From: Apgar, John A
To: 'cab@cpuc.ca.gov'; 'skh@cpuc.ca.gov'
Sent: 1/8/2013 8:57:44 AM
Subject: Citi meetings on 1/10/13

Good morning Carol and Sepideh,

We are bringing a group of investors by this Thursday to meet with Paul Clanon from 1:30-2:30pm. EIX reached out on our behalf to arrange meetings with Commissioner Florio, who is available from 2:30-3:00pm and Carol, they said you had some availability in the afternoon. EIX mentioned there may be a space issue given that we have a group of 21. We don't need a formal setting and would be glad just to meet in the cafeteria if a conference room is not available in the afternoon. Please let me know what works best.

John Apgar, CFA | Senior Associate
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From: Goldthrite, Cody
To: Apgar, John A
CC: Brown, Carol A.; Khosrowjah, Sepideh
Sent: 1/8/2013 9:05:31 AM
Subject: RE: Citi meetings on 1/10/13

Good morning Mr. Apgar,

Carol blocked off a 30 minute timeframe from 3:30 PM – 4:00 PM this Thursday, January 10th. I booked Room 5305 to accommodate the large group.

I just sent the meeting invitation via Outlook. Please let me know if you have any questions.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, January 08, 2013 8:58 AM
To: Brown, Carol A.; Khosrowjah, Sepideh
Subject: Citi meetings on 1/10/13

Good morning Carol and Sepideh,

We are bringing a group of investors by this Thursday to meet with Paul Clanon from 1:30-2:30pm. EIX reached out on our behalf to arrange meetings with Commissioner Florio, who is available from 2:30-3:00pm and Carol, they said you had some availability in the afternoon. EIX mentioned there may be a space issue given that we have a group of 21. We don't need a formal setting and would be glad just to meet in the cafeteria if a conference room is not available in the afternoon. Please let me know what works best.

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From: Apgar, John A
To: 'Goldthrite, Cody'
CC: 'Brown, Carol A.'; 'Khosrowjah, Sepideh'
Sent: 1/8/2013 9:09:12 AM
Subject: RE: Citi meetings on 1/10/13

Thank you, Cody. I just accepted the outlook calendar invite. Sepideh, can we meet in that same room with Commissioner Florio from 2:30-3:00?

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Tuesday, January 08, 2013 12:06 PM
To: Apgar, John A [ICG-RSCH]
Cc: Brown, Carol A.; Khosrowjah, Sepideh
Subject: RE: Citi meetings on 1/10/13

Good morning Mr. Apgar,

Carol blocked off a 30 minute timeframe from 3:30 PM – 4:00 PM this Thursday, January 10th. I booked Room 5305 to accommodate the large group.

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Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, January 08, 2013 8:58 AM
To: Brown, Carol A.; Khosrowjah, Sepideh
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From: Khosrowjah, Sepideh
To: 'john.a.apgar@citi.com'; Goldthrite, Cody; Dahlgren, Joan
CC: Brown, Carol A.
Sent: 1/8/2013 9:12:20 AM
Subject: Re: Citi meetings on 1/10/13

I'll ask Joan.
Joan,
Can we meet at room 5305?
Thx

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, January 08, 2013 09:09 AM Pacific Standard Time
To: Goldthrite, Cody
Cc: Brown, Carol A.; Khosrowjah, Sepideh
Subject: RE: Citi meetings on 1/10/13

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Sent: Tuesday, January 08, 2013 12:06 PM
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Cc: Brown, Carol A.; Khosrowjah, Sepideh
Subject: RE: Citi meetings on 1/10/13

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I just sent the meeting invitation via Outlook. Please let me know if you have any questions.

Regards,

Cody Goldthrite
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Cody.goldthrite@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, January 08, 2013 8:58 AM
To: Brown, Carol A.; Khosrowjah, Sepideh
Subject: Citi meetings on 1/10/13

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From: Apgar, John A
To: 'Khosrowjah, Sepideh'; 'Goldthrite, Cody'; 'Dahlgren, Joan'
CC: 'Brown, Carol A.'; Tarola, Lauren
Sent: 1/8/2013 1:44:19 PM
Subject: RE: Citi meetings on 1/10/13
Attachments: 2013 Request for Meeting (Comr Florio).doc; Comr Peevey 2013 Meeting Request Form.doc

Just following up to see if we can firm up the meeting with Comr. Florio and Sepideh. I attached meeting request forms for both meetings and a list of attendees below. Please let me know if you need anything else from me. Thank you.

Citi analysts, Brian Chin, Faisel Khan, and Mike Matus will be attending in addition to the list below.

Account Name	Contact
Atlantic Trust Co	Usechek, Sean
Brookfield Investment Mgmt	Wernick, Richard
Capital Research Global	Bevan, Tom
Carlson Capital	Huang, Stephen
Decade Capital Management LLC	Senchak, Scott
Duff and Phelps Investors	Brown, Joyolin
Franklin Resources Inc.	Schmicker, Blair
Green Arrow Capital	O'Neill, Tom
ING Investments	Byrne, Kelly
Invesco Capital Management	Snyder, Evan
JP Morgan	Fominykh, Konstantin (Ken)
Luminus Management, LLC	Goldenberg, Michael
P Schoenfeld Asset Management (PSAM)	Brown, Philip (CPUC only)
Pacific Life Insurance	Lindroth, Wen-Wen
RREEF Real Estate Securities	Foelske, Ryan
T Rowe Price	Krichbaum, Steve
Talon Capital	Fallon, Matt
York Capital	Rosenbaum, Jeff

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From: Khosrowjah, Sepideh [mailto:sepideh.khosrowjah@cpuc.ca.gov]
Sent: Tuesday, January 08, 2013 12:12 PM
To: Apgar, John A [ICG-RSCH]; Goldthrite, Cody; Dahlgren, Joan
Cc: Brown, Carol A.
Subject: Re: Citi meetings on 1/10/13

I'll ask Joan.
Joan,

Can we meet at room 5305?
Thx

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, January 08, 2013 09:09 AM Pacific Standard Time
To: Goldthrite, Cody
Cc: Brown, Carol A.; Khosrowjah, Sepideh
Subject: RE: Citi meetings on 1/10/13

Thank you, Cody. I just accepted the outlook calendar invite. Sepideh, can we meet in that same room with Commissioner Florio from 2:30-3:00?

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

388 Greenwich St, New York, NY 10013
(212) 816-3366 | john.a.apgar@citi.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Tuesday, January 08, 2013 12:06 PM
To: Apgar, John A [ICG-RSCH]
Cc: Brown, Carol A.; Khosrowjah, Sepideh
Subject: RE: Citi meetings on 1/10/13

Good morning Mr. Apgar,

Carol blocked off a 30 minute timeframe from 3:30 PM – 4:00 PM this Thursday, January 10th. I booked Room 5305 to accommodate the large group.

I just sent the meeting invitation via Outlook. Please let me know if you have any questions.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: Apgar, John A [mailto:john.a.apgar@citi.com]
Sent: Tuesday, January 08, 2013 8:58 AM
To: Brown, Carol A.; Khosrowjah, Sepideh
Subject: Citi meetings on 1/10/13

Good morning Carol and Sepideh,

We are bringing a group of investors by this Thursday to meet with Paul Clanon from 1:30-2:30pm. EIX reached out on our behalf to arrange meetings with Commissioner Florio, who is available from 2:30-3:00pm and Carol, they said you had some availability in the afternoon. EIX mentioned there may be a space issue given that we have a group of 21. We don't need a

formal setting and would be glad just to meet in the cafeteria if a conference room is not available in the afternoon. Please let me know what works best.

John Apgar, CFA | Senior Associate
Power / Electric Utilities
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(212) 816-3366 | john.a.apgar@citi.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research)
Today's date: 1/8/13
Docket or proceeding # N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Brian Chin, (Senior Electric Utilities Analyst at Citi Investment Research). We will also have 18 Institutional Investors with us and will provide a detailed list along with this form.
Proposed date/time of meeting: 1/10/13 from 2:30-3:00pm.
Contact name: John Apgar, Senior Associate on Citi's Electric Utilities Team
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: Brian Chin, Senior Electric Utility Analyst at Citi Investment Research. We are requesting a meeting with Carol Brown. ( ) Party requesting conference call:
Today's date: 1/8/13
Docket or proceeding # N/A
Reason for the meeting: General meeting with Analysts and Investors to discuss the general state of California's Electric and Gas Utility Industries.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees: 18 Investors and 3 Analyst's from Citi Investment Research.
Proposed date/time of meeting: 1/10/13 from 3:30-4:00pm.
Contact name: John Apgar
Contact phone: (212) 816-3366

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 1/8/2013

From: Dahlgren, Joan
To: john.a.apgar@citi.com
Sent: 1/8/2013 2:02:56 PM
Subject: _mtg_confirmation_form_for_Citi_Research_dated 01_08_13_--Meeting Confirmation
Attachments: _mtg_confirmation_form_for_Citi_Research_dated 01_08_13_.doc

State of California

Memorandum

Date: January 8, 2013

To: John Apgar—Citi Research

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 1-8-13**

This will confirm that your meeting request for the above date has been set for (January 10, 2013) (2:30-3:00pm) (Room 5305fice) with (Commissioner Florio, Sepideh Khosrowjah, Matthew Tisdale,Marcelo Poirier). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From: Apgar, John A
To: 'Dahlgren, Joan'
Sent: 1/9/2013 12:19:13 PM
Subject: RE: _mtg_confirmation_form_for_Citi_Research_dated 01_08_13_--Meeting Confirmation

Thank you, Joan. The list of attendees is below. Please let me know if you need anything else from me.

Citi analysts, Brian Chin, Faisel Khan, and Mike Matus will be attending in addition to the list below.

Account Name	Contact
Atlantic Trust Co	Usechek, Sean
Brookfield Investment Mgmt	Wernick, Richard
Capital Research Global	Bevan, Tom
Carlson Capital	Huang, Stephen
Decade Capital Management LLC	Senchak, Scott
Duff and Phelps Investors	Brown, Joyolin
Franklin Resources Inc.	Schmicker, Blair
Green Arrow Capital	O'Neill, Tom
ING Investments	Byrne, Kelly
Invesco Capital Management	Snyder, Evan
JP Morgan	Fominykh, Konstantin (Ken)
Luminus Management, LLC	Goldenberg, Michael
P Schoenfeld Asset Management (PSAM)	Brown, Philip (CPUC only)
Pacific Life Insurance	Lindroth, Wen-Wen
RREEF Real Estate Securities	Foelske, Ryan
T Rowe Price	Krichbaum, Steve
Talon Capital	Fallon, Matt
York Capital	Rosenbaum, Jeff

John Apgar, CFA | Senior Associate
Power / Electric Utilities
Citi Research

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, January 08, 2013 5:03 PM
To: Apgar, John A [ICG-RSCH]
Subject: _mtg_confirmation_form_for_Citi_Research_dated 01_08_13_--Meeting Confirmation

From: Mixter, Katy
To: 'sustainability@citi.com'
CC: Schlein, Bruce S
Sent: 1/31/2013 9:29:39 AM
Subject: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Description: Description: Description: Description: Description: Description: Description: Description:

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Innovations in Energy Efficiency and Distributed Generation Finance II

Citi and Environmental Defense Fund cordially invite you to our second convening of practitioners of energy efficiency finance: new partnerships, optimized policies and solutions, learnings from innovative transactions, and keys to achieving scale in energy efficiency and distributed generation markets.

February 28, 2013

9:00am - 4:30pm Convening and lunch
4:30pm - 6:00pm Cocktails

Terra Gallery, 511 Harrison Street, San Francisco

By invitation only. Please RSVP by February 15th to Katy Mixter (katy.mixter@citi.com) with your name, title and organization, and whether or not you plan to join for cocktails.

Regards,

Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Lauren Faber, West Coast Political Director, EDF
Marshal Salant, Head of Alternative Energy Finance, Citi
Pam Flaherty, President and CEO of Citi Foundation; Director of Corporate Citizenship, Citi
Bruce Schlein, Director Corporate Sustainability, Citi
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

Agenda

Description: Description: Description: Description: Description: Description: Description:

9:00-9:30 **Registration** (coffee)

9:30-9:45 **Welcome**
Brad Copithorne, EDF, Director Clean Energy Financing Solutions

9:45-10:15 **Morning Keynote**
Bill Ritter, Jr., Director of the Center for the New Energy Economy and former Governor of Colorado

10:15-10:45 **Framing the Market and the Day**
Marshal Salant, Head of Alternative Energy Finance, Citi

I. Innovations, Lessons Learned and Opportunities by Property Asset Class

Residential

10:45-11:30 **Single Family**
Moderator: Jessica Feingold, Manager, Clean Energy Financial Policy, EDF
Cisco Devries, President & CEO, Renewable Funding
David McIlhenny, Director of Structured Finance, SunPower
Steve Vierengel, Director Alternative Energy Finance, Citi

11:30-12:15 **Multifamily Affordable**
Moderator: Jeff Meyers, Vice President, Citi Community Capital
Drew Ades, President & CEO, Housing Partnership Equity Trust
Fred Lee, Director Legal Affairs and Finance, NYC Energy Efficiency Corporation
Matt Schwartz, President & CEO, California Housing Partnership

12:15-1:15 **Lunch and Keynote**
Senator Kevin de León, California State Senate (D-LA)

Commercial

1:15-2:00 **Small and Medium**
Moderator: Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Paul Frankel, President, CalCEF Innovations
Brendon Millstein, CEO, Carbon Lighthouse
Ross Reida, Vice President National Accounts, TIP Capital
Faith Taylor, SVP Sustainability and Innovation, Wyndham

2:00-2:15 **Alliance to Save Energy Commission on National Energy Efficiency Policy**
Mike Eckhart, Global Head of Environmental Finance, Citi

2:15-3:00 **Large Corporate and Industrial**
Moderator: Sheridan Pauker, Associate, Wilson Sonsini Goodrich & Rosati
Paul Detering, CEO, Tioga Energy
Steve Gossett Jr., CEO, SCIenergy
John Kinney, CEO, Clean Fund
Tracy Webb, Managing Director, Overseas Private Investment Corporation

II. Innovations in Information

3:00-3:15 **Credit Data Available and Utilized for Current Transactions**
Remarks: Steve Vierengel, Director Alternative Energy Finance, Citi

3:15-4:00 **Energy Data for Driving Pipeline and Building the Market**
Moderator: Matt Golden, EDF Investor Confidence Project
Jeff Gleeson, Manager, Custom, Industrial and Finance Products, PG&E
Bob Hinkle, CEO, Metrus Energy
Paul Matthews, Staff Scientist, Lawrence Berkeley National Laboratory
Steve Schimmel, Director Global Platform Director, CBRE

4:00-4:15 **Closing Keynote**
Mark Ferron, Commissioner, California Public Utilities Commission

4:15-4:30 **Conclusions**
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

4:30 **Cocktails**

Description: Description: Description: Description: Description: Description: Description:

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Description: Description: Description: Description: Description: Description: Description: Description:

From: Chin, Brian
To: 'mts@cpuc.ca.gov'
Sent: 2/5/2013 11:27:38 AM
Subject: RA Summit meeting?

Molly,

I am the electric utility analyst at Citigroup and I write a fair amount on resource adequacy and capacity market issues.

I was thinking of attending the RA Summit on the 26th, and I was wondering if you might have a chance to chat with me about that day.

Can you please call me?

Brian

Brian Chin | Director

Electric Utilities

Citi Research

388 Greenwich St, New York, NY 10013
212.816.2861 (o) 201.463.5972 (c) | brian.chin@citi.com

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From: Chin, Brian
To: 'am3@cpuc.ca.gov'
Sent: 2/5/2013 11:54:59 AM
Subject: RA Summit

http://www.caiso.com/Documents/Agenda-LongTermResourceAdequacySummitFeb26_2013.pdf

Brian Chin | Director

Electric Utilities

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From: Chin, Brian
To: 'mts@cpuc.ca.gov'
Sent: 2/6/2013 12:27:03 PM
Subject: RE: RA Summit meeting?

https://ir.citi.com/cKtFPr6tE1EqrdqkRoBIZXh4%2FsLU9FWwkY2UOc%2BTKkdgP3fTsnb4Eg%3D%3D

Brian Chin | Director

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From: Chin, Brian [ICG-RSCH]
Sent: Tuesday, February 05, 2013 2:28 PM
To: 'mts@cpuc.ca.gov'
Subject: RA Summit meeting?

Molly,

I am the electric utility analyst at Citigroup and I write a fair amount on resource adequacy and capacity market issues.

I was thinking of attending the RA Summit on the 26th, and I was wondering if you might have a chance to chat with me about that day.

Can you please call me?

Brian

Brian Chin | Director

Electric Utilities

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From: Chin, Brian
To: 'Sterkel, Merideth "Molly"'
CC: Collazo, Judy E ; Apgar, John A
Sent: 2/6/2013 12:51:29 PM
Subject: RE: RA Summit meeting?

Judy can you pls see below?

Brian Chin | Director
Electric Utilities
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From: Sterkel, Merideth "Molly" [mailto:MeridethMolly.Sterkel@cpuc.ca.gov]
Sent: Wednesday, February 06, 2013 3:22 PM
To: Chin, Brian [ICG-RSCH]
Subject: RE: RA Summit meeting?

Nice to meet you over the phone. Please add me to your list.

Thanks,
Molly
Molly Tirpak Sterkel
Program Manager, Infrastructure, Planning and Permitting
California Public Utilities Commission
505 Van Ness, 4th Floor
San Francisco, CA 94102
415-703-1873
mts@cpuc.ca.gov

From: Chin, Brian [brian.chin@citi.com]
Sent: Tuesday, February 05, 2013 11:27 AM
To: Sterkel, Merideth "Molly"
Subject: RA Summit meeting?

Molly,

I am the electric utility analyst at Citigroup and I write a fair amount on resource adequacy and capacity market issues.

I was thinking of attending the RA Summit on the 26th, and I was wondering if you might have a chance to chat with me about that day.

Can you please call me?

Brian

Brian Chin | Director

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From: Chin, Brian
To: 'Madrigal, Anna-Marie'
CC: 'Clanon, Paul'
Sent: 2/14/2013 3:21:55 PM
Subject: RE: RA Summit

Sounds great - thank you Anna Marie. My cell is below. I may have a small number of analysts 2-3 others with me.

More of Paul's general impression of the RA summit up to that point, and then a general update of San Bruno related matters for PCG and SONGs for EIX.

Brian Chin | Director
Electric Utilities
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, February 14, 2013 6:12 PM
To: Chin, Brian [ICG-RSCH]
Cc: Clanon, Paul
Subject: RE: RA Summit

Thank you, Brian—
130pm or 230pm look like those times work to meet Paul Clanon regarding meeting at the Summit.
I will book for 130 and if you could send me your cell number, I'll include it in Paul's calendar if anything changes.

Also, please include a request as to the subject of your meeting.
Thank you

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Chin, Brian [mailto:brian.chin@citi.com]
Sent: Tuesday, February 05, 2013 11:55 AM
To: Madrigal, Anna-Marie

Subject: RA Summit

http://www.caiso.com/Documents/Agenda-LongTermResourceAdequacySummitFeb26_2013.pdf

Brian Chin | Director

Electric Utilities

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From: Chin, Brian on behalf of Collazo, Judy E [ICG-RSCH]
To: 'Clanon, Paul'
Sent: 2/19/2013 2:25:30 PM
Subject: Accepted: Current RA summit/ Update of San Bruno related matters for PCG and SONGs for EIX.
Attachments: Attachment1

Name: Attachment1

From: Chin, Brian on behalf of Collazo, Judy E [ICG-RSCH]
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 2/19/2013 2:25:30 PM
Subject: Accepted: Current RA summit/ Update of San Bruno related matters for PCG and SONGs for EIX.
Attachments: Attachment1

Name: Attachment1

From: Mixter, Katy
To: 'jean.lamming@cpuc.ca.gov'
Sent: 2/22/2013 12:53:31 PM
Subject: RE: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Hi Jean,

What is your title?

Thanks!
Katy

Katy Mixter
AVP, Corporate Sustainability
Citi, 388 Greenwich Street, 32nd Floor
New York, NY 10013
Phone: 212-816-7136
Email: Katy.Mixter@Citi.com
http://www.citigroup.com/citi/environment/

From: Jessica Feingold [mailto:jfeingold@edf.org]
Sent: Friday, February 22, 2013 1:14 PM
To: Mixter, Katy [CCF]; Schlein, Bruce S [CCF]; Brad Copithorne; Sandra Shorenstein
Subject: FW: Invitation and Agenda: Innovations in Energy Efficiency Finance II

One more RSVP "yes" from Jean at CPUC. Don't think she was on the latest spreadsheet of RSVP's so wanted to make sure we have her recorded (she may not have RSVP'd directly to Katy). Thanks!

From: Jessica Feingold
Sent: Friday, February 22, 2013 1:13 PM
To: 'Lamming, Jean A.'
Subject: RE: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Jean,

Great news. Look forward to meeting you next week.

Best,
Jessica

From: Lamming, Jean A. [mailto:jean.lamming@cpuc.ca.gov]
Sent: Friday, February 22, 2013 1:12 PM
To: Jessica Feingold
Subject: RE: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Hi Jessica,

I've got it on my calendar and am hoping to attend.

Jean

From: Jessica Feingold [mailto:jfeingold@edf.org]
Sent: Thursday, February 14, 2013 4:19 PM
To: Lamming, Jean A.
Cc: Brad Copithorne; Schlein, Bruce S (bruce.s.schlein@citi.com); Mixter, Katy (katy.mixter@citi.com)
Subject: FW: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Hi Jean,

Congratulations on your new role at the CPUC. Brad Copithorne (cc'ed here) and I work at Environmental Defense Fund and are focused on On-Bill Repayment, in addition to other clean energy financial policies. We have been working closely with Jennifer and Jeanne and look forward to meeting you soon.

We would like to invite you to a conference on energy efficiency finance, co-hosted by Citigroup and EDF. The event is on February 28th, here in San Francisco. The official invitation and agenda are below, and we very much hope that you can make it.

Best,
Jessica

From:
Sent: None
Subject: Invitation and Agenda: Innovations in Energy Efficiency Finance II

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Innovations in Energy Efficiency and Distributed Generation Finance II

Citi and Environmental Defense Fund cordially invite you to our second convening of practitioners of energy efficiency finance: I partnerships, optimized policies and solutions, learnings from innovative transactions, and keys to achieving scale in energy effi distributed generation markets.

February 28, 2013

9:00am - 4:30pm Convening and lunch
4:30pm - 6:00pm Cocktails

Terra Gallery, 511 Harrison Street, San Francisco

By invitation only. Please RSVP by February 15th to Katy Mixter (katy.mixter@citi.com) with your name, title and organization, or not you plan to join for cocktails.

Regards,

Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Lauren Faber, West Coast Political Director, EDF
Marshal Salant, Head of Alternative Energy Finance, Citi
Pam Flaherty, President and CEO of Citi Foundation; Director of Corporate Citizenship, Citi
Bruce Schlein, Director Corporate Sustainability, Citi

Agenda

Description: Description: Description: Description: Description: Description: Description: Description:

9:00-9:30 **Registration** (coffee)

9:30-9:45 **Welcome**
Brad Copithorne, EDF, Director Clean Energy Financing Solutions

9:45-10:15 **Morning Keynote**
Bill Ritter, Jr., Director of the Center for the New Energy Economy and former Governor of Colorado

10:15-10:45 **Framing the Market and the Day**
Marshal Salant, Head of Alternative Energy Finance, Citi

I. Innovations, Lessons Learned and Opportunities by Property Asset Class

Residential

10:45-11:30 **Single Family**
Moderator: Jessica Feingold, Manager, Clean Energy Financial Policy, EDF
Cisco Devries, President & CEO, Renewable Funding
David McIlhenny, Director of Structured Finance, SunPower
Steve Vierengel, Director Alternative Energy Finance, Citi

11:30-12:15 **Multifamily Affordable**
Moderator: Jeff Meyers, Vice President, Citi Community Capital
Drew Ades, President & CEO, Housing Partnership Equity Trust
Fred Lee, Director Legal Affairs and Finance, NYC Energy Efficiency Corporation
Matt Schwartz, President & CEO, California Housing Partnership

12:15-1:15 **Lunch and Keynote**
Senator Kevin de León, California State Senate (D-LA)

Commercial

1:15-2:00 **Small and Medium**
Moderator: Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Paul Frankel, President, CalCEF Innovations
Brendon Millstein, CEO, Carbon Lighthouse
Ross Reida, Vice President National Accounts, TIP Capital
Faith Taylor, SVP Sustainability and Innovation, Wyndham

2:00-2:15 **Alliance to Save Energy Commission on National Energy Efficiency Policy**
Mike Eckhart, Global Head of Environmental Finance, Citi

2:15-3:00 **Large Corporate and Industrial**
Moderator: Sheridan Pauker, Associate, Wilson Sonsini Goodrich & Rosati
Paul Detering, CEO, Tioga Energy
Steve Gossett Jr., CEO, SCIenergy
John Kinney, CEO, Clean Fund
Tracy Webb, Managing Director, Overseas Private Investment Corporation

II. Innovations in Information

3:00-3:15 **Credit Data Available and Utilized for Current Transactions**
Remarks: Steve Vierengel, Director Alternative Energy Finance, Citi

3:15-4:00 **Energy Data for Driving Pipeline and Building the Market**

Moderator: Matt Golden, EDF Investor Confidence Project
Jeff Gleeson, Manager, Custom, Industrial and Finance Products, PG&E
Bob Hinkle, CEO, Metrus Energy
Paul Matthews, Staff Scientist, Lawrence Berkeley National Laboratory
Steve Schimmel, Global Platform Director, CBRE

4:00-4:15 **Closing Keynote**
Mark Ferron, Commissioner, California Public Utilities Commission

4:15-4:30 **Conclusions**
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

4:30 **Cocktails**

Description: Description: Description: Description: Description: Description: Description: Description:

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cid:image006.jpg@01CD7FCA.39F0AF40

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From: Chin, Brian
To: 'Madrigal, Anna-Marie'
CC: 'Clanon, Paul'
Sent: 2/25/2013 8:11:35 AM
Subject: RE: RA Summit

Paul and Anna-Marie - just confirming for tomorrow!

Brian Chin | Director
Electric Utilities
Citi Research

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, February 14, 2013 6:12 PM
To: Chin, Brian [ICG-RSCH]
Cc: Clanon, Paul
Subject: RE: RA Summit

Thank you, Brian—
130pm or 230pm look like those times work to meet Paul Clanon regarding meeting at the Summit.
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O: 415.703.1636
F: 415.703.1356

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Sent: Tuesday, February 05, 2013 11:55 AM
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From: Mixter, Katy
To: sustainability@citi.com
Sent: 2/26/2013 8:30:32 AM
Subject: Thursday: Innovations in Energy Efficiency Finance II
Attachments: Innovations in Energy Efficiency and Distributed Generation Finance RSVP List.pdf

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Innovations in Energy Efficiency and Distributed Generation Finance II

We look forward to your joining us this Thursday for a rich dialogue during the panels and reception. We will have an exceptional group in attendance (see attached list). The event details and agenda are below. If you have any questions, please email Katy Mixter at katy.mixter@citi.com.

Thursday, February 28, 2013

9:00am - 4:30pm Convening and lunch
4:30pm - 6:00pm Cocktails

Terra Gallery, 511 Harrison Street, San Francisco

Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Lauren Faber, West Coast Political Director, EDF
Marshal Salant, Head of Alternative Energy Finance, Citi
Pam Flaherty, President and CEO of Citi Foundation; Director of Corporate Citizenship, Citi
Bruce Schlein, Director Corporate Sustainability, Citi
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

Agenda

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Marshal Salant, Head of Alternative Energy Finance, Citi

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Cisco Devries, President & CEO, Renewable Funding
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Faith Taylor, SVP Sustainability and Innovation, Wyndham

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Mike Eckhart, Global Head of Environmental Finance, Citi

2:15-3:00 **Large Corporate and Industrial**
Moderator: Sheridan Pauker, Associate, Wilson Sonsini Goodrich & Rosati
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Steve Gossett Jr., CEO, SClenergy
John Kinney, CEO, Clean Fund
Tracy Webb, Managing Director, Overseas Private Investment Corporation

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Moderator: Matt Golden, EDF Investor Confidence Project
Jeff Gleeson, Manager, Custom, Industrial and Finance Products, PG&E
Bob Hinkle, CEO, Metrus Energy
Paul Mathew, Staff Scientist, Lawrence Berkeley National Laboratory
Steve Schimmel, Global Platform Director, CBRE

4:00-4:15 **Closing Keynote**
Mark Ferron, Commissioner, California Public Utilities Commission

4:15-4:30 **Conclusions**
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

4:30 **Cocktails**

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Innovations in Energy Efficiency and Distributed Generation Finance
San Francisco 2/28
RSVP List

Organization	Name	Title
Angeleno Group	Daniel Weiss	Managing Partner & Co-Founder
Apex Real Estate Advisors	Arnold E. Brown	Principal & CFO
Beutler	Michael Day	Principal
Blue Earth Energy Management Services	John Pink	President
Blue Earth Energy Management Services	Rahul Brown	Vice President, Business Development
Blue Tree Strategies	Aaron Berg	President, Blue Tree Strategies and CFO, Clean Energy Works Oregon
BuildingEnergy.com	Michel Gelobter	Co-Founder
C2ES	Janet Peace	V.P. Markets and Business Strategy
C40	Johanna Partin	North America Regional Director
C40	Scott Henderson	Director, Finance
CalCEF	Paul Frankel	President
California Government	Andrew McAllister	Commissioner of the California Energy Commission
California Governor's Office of Planning and Research	Sandy Goldberg	Senior Counsel
California Housing Partnership	Matt Schwartz	President & CEO
California Housing Partnership	Megan Kirkeby	Sustainable Housing Policy Associate
California Housing Partnership	Tara Siegel	Sustainable Housing Program Manager
California PUC	Jean Lamming	Policy Analyst
California PUC	Mark Ferron	Commissioner
California PUC	Michael Colvin	Energy Advisor to Commissioner Ferron
California State Senate (D-LA)	Senator Kevin De Leon	Senator
California State Senator de Leon's office	Greg Hayes	Senior Consultant – Select Cmte on EE
Carbon Lighthouse	Brenden Millstein	CEO
Carbon War Room	Joshua Kagan	Operation Lead - Energy Efficiency
CBRE	Matt Ellis	Director
CBRE	Steven Schimmel	Director
Ceres	Dan Mullen	Senior Manager, Electric Power Programs
Citi	Alexa Leon Prado	Managing Director, CleanTech and Electronics Supply Chain Banking
Citi	Brian Whalen	Director, Global Markets Inc
Citi	Bruce Schlein	Corporate Sustainability

CPUC04780

Citi	Carl Cho	Director, Power Sector Risk Management
Citi	Jason Cavaliere	Director, Alternative Energy Finance
Citi	Jeffrey Meyers	Vice President, Citi Community Capital
Citi	Jon Farber	Vice President, Sales
Citi	Katy Mixter	AVP, Corporate Sustainability
Citi	Kristen Scheyder	Director, Community Development Finance Initiatives
Citi	Lynee Bradley	Export Agency Finance
Citi	Marshal Salant	Head of Alternative Energy Finance
Citi	Mike Eckhart	Managing Director, Citi Corporate and Investment Banking
Citi	Mona Masri	Senior Vice President
Citi	Pam Flaherty	Director of Corporate Citizenship, and President and CEO of Citi Foundation
Citi	Sandip Sen	Director, Global Power Banking - Alternative Energy
Citi	Scott Mcmurtry	Vice President, Power and Alternative Energy Banking
Citi	Steve Avadek	CRS - Global Head of Sustainability
Citi	Steve Vierengel	Director Alternative Energy Finance
Citi	Tyler Daluz	Communications
Citi	Vivienne Lee	Community Development, CA
Clark Energy Group	Morgan Blackwood	Development Executive
Clean Energy Advantage Partners	Peter Liu	Co-founder and Managing Director
Clean Power Finance	Micah Myers	Senior Vice President, Corporate Development
CleanFund	John Kinney	CEO
Clinton Foundation	Katie McClain	Director, Building Retrofit Program
Coefficient Group	Hao Lam	CFO
Coefficient Group	Murat Armbruster	CEO
Concord Servicing	Shaun O'Neill	SVP
DBL Investors	Nancy Pfund	Managing Partner
Deloitte	Robert Casamento	Strategy & Operations
Deutsche Bank	Brad Wollmer	Director
Deutsche Bank	Jake Baker	Assistant Vice President
Deutsche Bank	Jeff Baer	Managing Director
Deutsche Bank	Ron Herbst	Director
Dian Grueneich Consulting, LLC	Dian Grueneich	Principal
Director of the Center for the New Energy Economy	Bill Ritter	Director of the Center for the New Energy Economy and former Governor of Colorado

DOE	Colin Bishopp	Deputy Director, Clean Economy Development Center
DOE	David Yeh	Senior Advisor
DOE	Ken Alston	Special Assistant for Finance U.S. Department of Energy
DOE	Rima Oueid	Policy Advisor, Distributed Generation Deployment and Finance Lead, Office of Energy Efficiency and Renewable Energy
Earth Justice	Isaac Moriwake	Attorney
EDF	Brad Copithorne	Director Clean Energy Financing Solutions
EDF	Derek Walker	AVP US Climate and Energy
EDF	James Fine	Senior Economist
EDF	Jessica Feingold	Manager, Clean Energy Financial Policy
EDF	Jim Marston	Vice President for U.S Energy and Climate
EDF	Joaquin McPeek	CA Media Director
EDF	Lauren Faber	West Coast Political Director
EDF	Sandra Shorenstein	Program Associate, Energy Efficiency Finance
EDF	Sitar Mody	Senior Manager, Strategy
Efficiency.org	Matt Golden	EDF Investor Confidence Project
Emerald Cities	Denise Fairchild	President/Chief Executive Officer
Emerald Cities	Kevin Warner	Vice President for Investments
Energy Foundation	John Wilson	Buildings Program Director
Energy Innovation	hal Harvey	Director of Strategy
Energy Trust of Oregon	Adam Bartini	NW Natural Washington Senior Project Manager
Enernoc	Tom Riley	Vice President, Energy Services
Enfinity	Christopher Scott	Director
Enfinity America Corporation	Blerta Kumbaro	AVP Asset Management
Enlighted	Arvin Vohra	SPPA Development
Enlighted	John Rhow	Director of Project Finance
Equilibrium capital	Bill Campbell	CFO/Principal
Eric Schmidt's Foundation	Shally Shanker	Investment Advisor
First Energy Finance	David Arfin	CEO
Forsyth Street Advisors	Tyler van Gundy	Vice President
GCA Savvian	Dan Etchevers	Vice President
Gensler Architects	Kirsten Ritchie	Director of Sustainable Design
Goldman Sachs	Tim Romer	Managing Director
Google	Jolanka Nickerman	Program Manager, Carbon Offsets
Green Building Finance Consortium	Scott Muldavin	Executive Director, Green Building Finance Consortium; Senior

		Advisor, Rocky Mountain Institute
Green Campus Partners	Bob Anderson	Managing Director
Green For All	Kaori Tsukada	Program Associate
Greentech Capital Advisors	Kyle Jones Baker	Principal
Hannon Armstrong	Jody Clark	Vice President
Hannon Armstrong	John Christmas	Senior Vice President
Harcourt Brown & Carey: Energy & Finance	Matthew H. Brown	Principal
Honeywell	Ed Wojtowicz	Senior Vice President, Honeywell Global Finance
Housing Partnership Equity Trust	Drew Ades	President and CEO
ICF/DOE	Rahul Young	Bay Area Branch Leader • Energy, Environment & Transportation
Imprint Capital Partners	John Goldstein	Managing Director
Inside Straight Strategies	Carl Pope	Principal
Jefferies & Company, Inc.	Amy Corinne Smith	Head of Global CleanTech Investment Banking
Johnson Controls, Inc	Bill Beres	VP Structured Finance
Johnson Controls, Inc	Russ Garcia	California PACE Manager
Kilowatt	Mike Niver	Managing Director
Kleiner Perkins	Daniel Oros	Partner
Kleiner Perkins	David Mount	Partner
kW Engineering	Andy Bayowski	Strategy & Development
kWh Analytics	Richard Matsui	Co-Founder
Lawrence Berkeley National Laboratory	Mark Zimring	Program Manager
LBNL	Paul Mathew	Staff Scientist
Los Angeles Department of Water & Power	David Jacot	Director of Energy Efficiency
MacArthur Foundation	Mijo Vodopic	Program Officer for Housing in U.S. Programs
Marin Energy	Beckie Menten	Efficiency Coordinator
Metrus	Bob Hinkle	President & CEO
Metrus	Frank Visciano	Director of Business Development
Metrus	Sam Lines	Director of Project Development
Microsoft	Josh Henretig	Director, Environmental Sustainability
Navigant	Fred Wellington	Associate Director, Energy
Navigant	Karin Corfee	Managing Director
New Island Capital	Jacob Donnelly	Associate
New Island Capital	Michael Grossman	Director of Liquid Assets
New Resource Bank	Vince Siciliano	CEO
Noesis	Scott Harmon	CEO

Nuclaris	Eric Wang	CTO
Nularis	Jonathan Fram	CEO
NYCEEC	Fred Lee	Director of Legal Affairs and Finance
OneRoof Energy	Dale A. Vander Woude	Executive Vice President
OPIC	Tracy Webb	Managing Director
Orick, Herrington & Sutcliffe	Eric Stephens	Partner
Orick, Herrington & Sutcliffe	John Wang	Partner
PG&E	Al Gaspari	Principal Product Manager, Finance Solutions
PG&E	Jeff Gleeson	
PG&E	Jenna Olsen	Director, Customer Core Products
PG&E	Mary Gandesbery	Attorney
PWC	Don Reed	Director, Sustainable Business Solutions
Renewable Funding	Cisco DeVries	President & CEO
Renewable Funding	Jack Bernard	Executive Director
Rockefeller Brothers Fund	Stephanie Bencivenga	Program Assistant, Sustainable Development
RockPort Capital Partners	Abe Yokell	Partner
SAHF Energy	Rick Samson	President
Saving Neighborhood Energy	Lori Bamberger	Managing Director
Saviva	Ted Hesser	Director of Research
SCI Energy (Transcend)	Steve Gossett	CEO
Scientific Conservation	Woolsey Mckernon	Managing Director, Catalyst
SF Department of Environment	Danielle Murray	Renewable Energy Program Manager
SF Department of Environment	Richard Chien	GreenFinanceSF Program Manager, City and County of San Francisco
Shaw Environmental and Infrastructure	Bill Abolt	Vice President/National Practice Leader, Sustainability, Energy & Carbon Management
Shaw Environmental and Infrastructure	Joel Freehling	Senior Energy Finance Consultant
Shorenstein	Jaxon Love	Sustainability Program Manager
Siemens	David Buchfuehrer	Advisor, Project and Export Finance
Siemens	Sven Hackmann	VP U.S. Cities
Silver Lake Kraftwerk	Josh Raffaelli	Partner
Solar City	Jeff Munson	Senior Structured Finance Associate
SolarCity	Dan Chia	Deputy Director, Government Affairs
SolarCity	Shouvik Banerjee	Sr. Manager, New Products Business Development
Southern California Edison	Jim Dodenhoff	Manager, Customer Energy Efficiency and Solar Division
Southern California Gas Company	Taimin Tang	On Bill Financing Supervisor

Stanford	Andrew Peterman	Advanced Doctoral Fellow
Stockmans Energy	Kirk Story	Operations Director
SunPower	David McIlhenny	Director of Structured Finance
Sustainable Capital Advisors	Trenton Allen	President
Sustento	Dave Hodgins	President & CEO
TerraPass	Peter Freed	Director
Tioga Solar	Paul Detering	CEO
Tip Capital	Ross Reida	Vice President, National Accounts
TPG Alternative & Renewable Technologies	Tiffany Clay	is Vice President
Transfinity Group	John G. Fields	Managing Director
UC Berkeley - Haas	Cynthia Kroll	Executive Director for Staff Research
UCLA	JR DeShazo	Director, UCLA Luskin Center for Innovation
Union Bank	Paul Blagborough	Vice President, Sustainability Services Specialist
Unison Energy	Andy Cooper	Managing Partner, Co-CEO
Vivint Solar	Thomas Jones	Director of Operations
VoteSolar	Adam Browning	Executive director
White House Office of Management and Budget	Michelle Moore	Senior Advisor
Wilson Sonsini Goodrich & Rosati	Bob O'Connor	Partner
Wilson Sonsini Goodrich & Rosati	Charlotte Kim	Partner
Wilson Sonsini Goodrich & Rosati	Peter Mostow	Partner
Wilson Sonsini Goodrich & Rosati	Randy Lewis	Partner
Wilson Sonsini Goodrich & Rosati	Sheridan Pauker	Associate
Wilson Sonsini Goodrich & Rosati	Todd Glass	Partner
Wyndham	Faith Taylor	Senior Vice President
Wyndham	Jonathan Lee	Sustainability Team

From:	Mixter, Katy
To:	'simon.baker@cpuc.ca.gov'; 'jfeingold@edf.org'
CC:	'jean.lamming@cpuc.ca.gov'
Sent:	2/27/2013 4:58:59 PM
Subject:	Re: Invitation and Agenda: Innovations in Energy Efficiency Finance II
Attachments:	image001.jpg; image002.gif; image003.jpg; image004.jpg; image005.jpg; image006.png; image007.jpg

Great, confirmed.

From: Baker, Simon [mailto:simon.baker@cpuc.ca.gov]
Sent: Tuesday, February 26, 2013 10:21 PM
To: Mixter, Katy [CCF]; jfeingold@edf.org <jfeingold@edf.org>
Cc: Lamming, Jean A. <jean.lamming@cpuc.ca.gov>
Subject: Re: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Katy / Jessica,

Both Jean Lamming and I plan to attend Thursday's event. Sorry for the late registration. Thanks!

Simon Baker
Manager, Demand-Side Programs
Energy Division, CPUC

Sent from my iPhone

On Feb 25, 2013, at 2:27 PM, "Kaneshiro, Bruce" <bruce.kaneshiro@cpuc.ca.gov> wrote:

Hi Jean- Please plan on going.

Bruce

From: Lamming, Jean A.
Sent: Thursday, February 14, 2013 4:53 PM
To: Kaneshiro, Bruce
Subject: FW: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Hi Bruce,

This looks relevant – and Comm. Ferron is speaking at the end.

Can I go?

Jean

From: Jessica Feingold [mailto:jfeingold@edf.org]
Sent: Thursday, February 14, 2013 4:19 PM
To: Lamming, Jean A.
Cc: Brad Copithorne; Schlein, Bruce S (bruce.s.schlein@citi.com); Mixter, Katy (katy.mixter@citi.com)
Subject: FW: Invitation and Agenda: Innovations in Energy Efficiency Finance II

Hi Jean,

Congratulations on your new role at the CPUC. Brad Copithorne (cc'ed here) and I work at Environmental Defense Fund and are focused on On-Bill Repayment, in addition to other clean energy financial policies. We have been working closely with Jennifer and Jeanne and look forward to meeting you soon.

We would like to invite you to a conference on energy efficiency finance, co-hosted by Citigroup and EDF. The event is on February 28th, here in San Francisco. The official invitation and agenda are below, and we very much hope that you can make it.

Best,
Jessica

From:
Sent: None
Subject: Invitation and Agenda: Innovations in Energy Efficiency Finance II

<image001.jpg>
<image003.jpg>
<image004.jpg>
<image005.jpg>

Innovations in Energy Efficiency and Distributed Generation Finance II

Citi and Environmental Defense Fund cordially invite you to our second convening of practitioners of energy efficiency finance: new partnerships, optimized policies and solutions, learnings from innovative transactions, and keys to achieving scale in energy efficiency and distributed generation markets.

February 28, 2013

9:00am - 4:30pm Convening and lunch
4:30pm - 6:00pm Cocktails

Terra Gallery, 511 Harrison Street, San Francisco

<image002.gif><image002.gif> <image002.gif><image002.gif><ima

By invitation only. Please RSVP by February 15th to Katy Mixter (katy.mixter@citi.com) with your name, title and organization, and whether or not you plan to join for cocktails.

Regards,

Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Lauren Faber, West Coast Political Director, EDF
Marshal Salant, Head of Alternative Energy Finance, Citi
Pam Flaherty, President and CEO of Citi Foundation; Director of Corporate Citizenship, Citi
Bruce Schlein, Director Corporate Sustainability, Citi
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

Agenda

9:00-9:30 **Registration** (coffee)

9:30-9:45 **Welcome**
Brad Copithorne, EDF, Director Clean Energy Financing Solutions

9:45-10:15 **Morning Keynote**
Bill Ritter, Jr., Director of the Center for the New Energy Economy and
former Governor of Colorado

10:15-10:45 **Framing the Market and the Day**
Marshal Salant, Head of Alternative Energy Finance, Citi

I. Innovations, Lessons Learned and Opportunities by Property Asset Class

Residential

10:45-11:30 **Single Family**
Moderator: Jessica Feingold, Manager, Clean Energy Financial Policy, EDF
Cisco Devries, President & CEO, Renewable Funding
David McIlhenny, Director of Structured Finance, SunPower
Steve Vierengel, Director Alternative Energy Finance, Citi

11:30-12:15 **Multifamily Affordable**
Moderator: Jeff Meyers, Vice President, Citi Community Capital
Drew Ades, President & CEO, Housing Partnership Equity Trust
Fred Lee, Director Legal Affairs and Finance, NYC Energy Efficiency Corporation
Matt Schwartz, President & CEO, California Housing Partnership

12:15-1:15 **Lunch and Keynote**
Senator Kevin de León, California State Senate (D-LA)

Commercial

1:15-2:00 **Small and Medium**
Moderator: Brad Copithorne, Director Clean Energy Financing Solutions, EDF
Paul Frankel, President, CalCEF Innovations
Brendon Millstein, CEO, Carbon Lighthouse
Ross Reida, Vice President National Accounts, TIP Capital
Faith Taylor, SVP Sustainability and Innovation, Wyndham

2:00-2:15 **Alliance to Save Energy Commission on National Energy Efficiency Policy**
Mike Eckhart, Global Head of Environmental Finance, Citi

2:15-3:00 **Large Corporate and Industrial**
Moderator: Sheridan Pauker, Associate, Wilson Sonsini Goodrich & Rosati
Paul Detering, CEO, Tioga Energy
Steve Gossett Jr., CEO, SClenergy
John Kinney, CEO, Clean Fund
Tracy Webb, Managing Director, Overseas Private Investment Corporation

II. Innovations in Information

3:00-3:15 **Credit Data Available and Utilized for Current Transactions**
Remarks: Steve Vierengel, Director Alternative Energy Finance, Citi

3:15-4:00 **Energy Data for Driving Pipeline and Building the Market**
Moderator: Matt Golden, EDF Investor Confidence Project
Jeff Gleeson, Manager, Custom, Industrial and Finance Products, PG&E
Bob Hinkle, CEO, Metrus Energy
Paul Matthews, Staff Scientist, Lawrence Berkeley National Laboratory
Steve Schimmel, Global Platform Director, CBRE

4:00-4:15 **Closing Keynote**
Mark Ferron, Commissioner, California Public Utilities Commission

4:15-4:30 **Conclusions**
Charlotte Kim, Partner, Wilson Sonsini Goodrich & Rosati

4:30 **Cocktails**

<image006.png>

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<image007.jpg>

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citi

EDF
ENVIRONMENTAL
DEFENSE FUND
Finding the ways that work

From: Mixter, Katy
To: 'juliane.banks@cpuc.ca.gov'; 'jfeingold@edf.org'
CC: 'sshorenstein@edf.org'
Sent: 2/28/2013 11:05:10 AM
Subject: Re: Comr. Ferron's PPT

Thank you Juliane!

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Thursday, February 28, 2013 01:01 PM
To: Jessica Feingold <jfeingold@edf.org>
Cc: Mixter, Katy [CCF]; Sandra Shorenstein <sshorenstein@edf.org>
Subject: RE: Comr. Ferron's PPT

I've attached the presentation. Thank you all for your assistance!

From: Jessica Feingold [mailto:jfeingold@edf.org]
Sent: Thursday, February 28, 2013 10:22 AM
To: Banks, Juliane
Cc: Katy Mixter; Sandra Shorenstein
Subject: Re: Comr. Ferron's PPT

No problem. Please attach the presentation and Katy will facilitate. Thank you.

- sent from my mobile device -

On Feb 28, 2013, at 10:17 AM, "Banks, Juliane" <juliane.banks@cpuc.ca.gov> wrote:

Thanks, Jessica! Sorry for the last minute inquiry. Michael actually brought it up in one of previous emails, but I failed to follow up.

From: Jessica Feingold [mailto:jfeingold@edf.org]
Sent: Thursday, February 28, 2013 10:15 AM
To: Katy Mixter; Sandra Shorenstein
Cc: Brad Copithorne; Banks, Juliane; Colvin, Michael
Subject: Fwd: Comr. Ferron's PPT

Katy and Sandra: can you pls confirm we can make this work?

Thanks
Jessica

- sent from my mobile device -

Begin forwarded message:

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Date: February 28, 2013 10:12:33 AM PST
To: Jessica Feingold <jfeingold@edf.org>, Brad Copithorne <bcopithorne@edf.org>
Cc: "Colvin, Michael" <michael.colvin@cpuc.ca.gov>
Subject: Comr. Ferron's PPT

Hi Jessica and Brad,

Comr. Ferron will have a Power Point Presentation for his speech today. Will you be able to facilitate his presentation? Please advise.

Thanks,
Juliane
415-703-2284

From: Jessica Feingold [mailto:jfeingold@edf.org]
Sent: Thursday, January 31, 2013 11:34 AM
To: Banks, Juliane; Brad Copithorne; Colvin, Michael
Subject: RE: Save the Date: Innovations in Energy Efficiency Finance II

Our pleasure. Really looking forward to having Comr. Ferron there. Thanks for your help with scheduling.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Thursday, January 31, 2013 10:36 AM
To: Brad Copithorne; Colvin, Michael
Cc: Jessica Feingold
Subject: RE: Save the Date: Innovations in Energy Efficiency Finance II

Saw the revised agenda. Thanks for being flexible and accommodating us.

From: Brad Copithorne [mailto:bcopithorne@edf.org]
Sent: Wednesday, January 30, 2013 7:29 PM
To: Banks, Juliane; Colvin, Michael
Cc: Jessica Feingold
Subject: RE: Save the Date: Innovations in Energy Efficiency Finance II

Got it. We will adjust.

Brad

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, January 30, 2013 4:04 PM
To: Colvin, Michael; Brad Copithorne
Cc: Jessica Feingold
Subject: RE: Save the Date: Innovations in Energy Efficiency Finance II

Hi Brad,

It's likely that the 3pm time slot will work; however, as noted in Comr. Ferron's note below, it's our Commission meeting day and the end time is unpredictable. Therefore, a later time, such as 3:30 or 4pm, might be advisable (if possible) to avoid any hindrances to the agenda schedule that day.

Please just let me know what you decide.

Thanks,
Juliane

From: Colvin, Michael
Sent: Wednesday, January 30, 2013 3:27 PM
To: Brad Copithorne; Banks, Juliane
Cc: Jessica Feingold
Subject: RE: Save the Date: Innovations in Energy Efficiency Finance II

Brad and Jessica

The agenda seems to be going well. I think that 15 min is the right amount of time and I think that hopefully we can fill in with the topic. I might suggest that we make it broad "Current California regulatory activities in EE Finance" (or something to that effect) so that way we can talk about as much progress as we have made and where we think we are going…

As it gets closer, we will need to ask if there is PPT capabilities, etc.

I defer to Juliane on the timing if that slot will work. I think that it should, but she controls the schedule.

Michael

From: Brad Copithorne [mailto:bcopithorne@edf.org]
Sent: Tuesday, January 29, 2013 3:59 PM
To: Colvin, Michael; Banks, Juliane
Cc: Jessica Feingold
Subject: FW: Save the Date: Innovations in Energy Efficiency Finance II

Michael and Juliane –

Planning is going well for the conference. We have the commissioner slotted in at 3 PM. I have him down for 15 minutes.

We have two other keynotes. Fmr Gov Bill Ritter of CO will be discussing his work on EE finance. Should we try to calendar a few minutes for the two of them to speak at the conference?

Sen Kevin de Leon will be the other keynote speaker.

Does this work for you?

Michael – I am thinking we have him speaking about the PUC's leadership in establishing some cutting edge EE finance programs and our collective need for industry focus on demand generation. I am happy to change that up as you see fit. Please let me know if I can be of assistance on drafting.

BTW – Will you be attending too? Are there others at PUC we should invite?

Cheers,

Brad

From: Ferron, Mark J. [mailto:mark.ferron@cpuc.ca.gov]
Sent: Wednesday, January 09, 2013 3:22 PM
To: Brad Copithorne
Cc: Colvin, Michael; Katy Mixter; Lauren Faber; TerKeurst, Charlotte; Banks, Juliane
Subject: Re: Save the Date: Innovations in Energy Efficiency Finance II

Brad,

Thanks for your flexibility. Michael should be your point person concerning content and format. Juliane is my executive assistant who can help with logistics.

thanks
Mark

On [9 Jan 13], at 9 Jan 15:11, Brad Copithorne <bcopithorne@edf.org> wrote:

Of course you may join when you free up for the day. We had been targeting to have you be one of the initial speakers, but I do not foresee a problem slotting you in at the end of the day.

Let me circle up w/ our co-sponsor (Citi) and figure out a revised agenda.

Who on your team should I coordinate with to set this up?

Brad

From: Ferron, Mark J. [mailto:mark.ferron@cpuc.ca.gov]
Sent: Wednesday, January 09, 2013 2:47 PM
To: Brad Copithorne
Cc: Colvin, Michael; Mixter, Katy; Lauren Faber; TerKeurst, Charlotte; Banks, Juliane
Subject: Re: Save the Date: Innovations in Energy Efficiency Finance II

Hi Brad,

Thanks for the invitation to what I'm sure will be a very interesting event.

Unfortunately, the date coincides with one of our public meetings of the Commission. These meetings usually begin at 9:00am and can last for much of the day, with the final end time ranging from 1:00 to 3:00pm depending upon the number of items on the agenda, the volume of public speakers and the length of the debate. Would it be possible for me to join as a participant at some unspecified time during the day, and if you want to use me as a speaker, that it be towards the end of the day?

Thanks and regards

Mark

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

On [9 Jan 13], at 9 Jan 11:37, Brad Copithorne <bcopithorne@edf.org> wrote:

Commr –

EDF and Citi are hosting a conference on EE and renewable finance on 2/28 in San Francisco.

The objective is to gather the key market participants to get updates on all of the business opportunities in EE in CA. We plan to profile the upcoming utility programs, the PACE programs and EE/renewable opportunities in general. We plan on panels for residential, small commercial and large commercial and are considering a panel on multifamily. We expect the audience to primarily consist of ESCOs, ESA companies, contractors, lighting companies, leasing companies solar installers and banks.

We would be interested in having you as one of the primary speakers.

Let us know if that would be of interest and if you are available. We can be pretty flexible on content and/or format.

Best,

Brad

From: Mixter, Katy [mailto:katy.mixter@citi.com]
Sent: Monday, January 07, 2013 11:23 AM
To: 'sustainability@citi.com'
Cc: Schlein, Bruce S
Subject: Save the Date: Innovations in Energy Efficiency Finance II

<image001.png> <image002.png>

SAVE THE DATE
Innovations in Energy Efficiency Finance II

Citi and Environmental Defense Fund cordially invite you to our second convening of practitioners on energy efficiency finance: new partnerships, optimized policies and solutions, learnings from innovative transactions, and keys to achieving scale in energy efficiency and distributed generation markets.

February 28, 2013
9:30am - 4:30pm Convening and lunch
4:30pm - 6:00pm Cocktails

Terra Gallery, 511 Harrison Street, San Francisco

By invitation only. Please RSVP to Katy Mixter (katy.mixter@citi.com) with your name, title and organization, and whether or not you plan to join for cocktails.

Regards,

Brad Copithorne, EDF, Director Clean Energy Financing Solutions
Lauren Faber, EDF, West Coast Political Director
Marshal Salant, Citi, Head of Alternative Energy Finance
Pam Flaherty, Citi, Director of Corporate Citizenship, and President and CEO of Citi Foundation
Bruce Schlein, Citi, Director Corporate Sustainability

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From:	Karp, Sophie
To:	'bnk@cpuc.ca.gov'
Sent:	10/22/2013 12:32:27 PM
Subject:	Meeting Request
Attachments:	CITI Ferron Request.doc

Hello,

I am requesting a meeting with Commissioner Ferron as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

***NOTE:* Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: Sharhriar Pourreza, Faisel Khan, Citigroup	**Today's Date**: 10/22/2013
2. Reason for meeting (subject, topic, issues): Meeting with utilities and energy investors and sell-side analysts Shahriar Pourreza (NA Power and Renewables) and Faisel Khan (Pipelines, Integrated Oil and Gas)	
3. Docket or Proceeding # (if applicable) and case name:	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): We're requesting a meeting with all Commissioners (Florio, Sandoval, Ferron, Peterman and President Peevey) and we would like to have all those meetings coordinated back-to-back on the same day. We're tentatively planning our visit to CA between 1/13/2014 and 1/15/2014, but those dates are flexible and we can work around Commissioners' schedules.	☒ **In Person** ☐ **By phone**
Proposed staff: ☒ **Comr. Ferron*** ☐ **Charlotte TerKeurst** ☐ **Michael Colvin** ☐ **Sara Kamins** ☐ **Charlyn Hook**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☒ Assign an advisor	
6. Industry: ☒ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☒ No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding: **N/A**	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Shahriar (Shar) Pourreza, CFA	Vice President, Head of North American Power / Global Alt. Energy	Citigroup
Faisel Khan	Director, Integrated Oil & Gas Research	Citigroup
Sophie Karp	Senior Associate, North American Power/Alternative Energy	Citigroup
Ryan Levine	Senior Associate, North American Power/Alternative Energy	Citigroup
15-20 buy side investors, TBD		

10. List your contact information:	
Contact name: Sophie Karp	**E-mail: sophie.karp@citi.com**

Office phone: 212-816-3366	**Cell: 347-267-5990**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

*__If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.__

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From:	Karp, Sophie
To:	'joan.dahlgren@cpuc.ca.gov'
CC:	'sepideh.khosrowjah@cpuc.ca.gov'; 'amy.brodrick@cpuc.ca.gov'
Sent:	10/22/2013 12:34:46 PM
Subject:	Citigroup - Meeting Request
Attachments:	CITI Florio request.doc

Joan,

I am requesting a meeting with Commissioner Florio as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 10/22/2013
Party requesting meeting: Citigroup
Docket # and Short Name:
Reason for the meeting: Meeting with utilities and energy investors and sell-side analysts Shahriar Pourreza (NA Power and Renewables) and Faisel Khan (Pipelines, Integrated Oil and Gas)
If the commissioner is not available, are you willing to meet with an advisor only? yes
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Shahriar (Shar) Pourreza, CFA Head of North American Power / Global Alt. Energy Citigroup Faisel Khan, Director, Integrated Oil & Gas Research Citigroup Sophie Karp, Senior Associate, North American Power/Alternative Energy Citigroup Ryan Levine, Senior Associate, North American Power/Alternative Energy Citigroup Group of 15-20 buy-side investors, TBD
Proposed date/time of meeting: We're requesting a meeting with all Commissioners (Florio, Sandoval, Ferron, Peterman and Presidnet Peevey) and we would like to have all those meetings coordinated back-to-back on the same day. We're tentatively planning our visit to CA between 1/13/2014 and 1/15/2014, but those dates are flexible and we can work around Commissioners' schedules.
Contact name, Phone, e-mail: Sophie Karp sophie.karp@citi.com 212 816 3366
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Karp, Sophie
To:	'rsm@cpuc.ca.gov'
CC:	'jf2@cpuc.ca.gov'; 'cmf@cpuc.ca.gov'
Sent:	10/22/2013 12:36:44 PM
Subject:	Citigroup - Meeting Request
Attachments:	CITI Peterman Request.doc

Scott,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: 10/22/2012
Person and entity requesting meeting: Citigroup
Docket # and Short Name:
Reason for the meeting (or short suggested agenda): Meeting with utilities and energy investors and sell-side analysts Shahriar Pourreza (NA Power and Renewables) and Faisel Khan (Pipelines, Integrated Oil and Gas)
Industry: Energy (x) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting in a ratesetting matter to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman. Please also provide advisor(s) service of ex-parte notice after meeting takes place, if applicable.
Attendees (name, title, company) : Shahriar (Shar) Pourreza, CFA Head of North American Power / Global Alt. Energy Citigroup Faisel Khan, Director, Integrated Oil & Gas Research Citigroup Sophie Karp, Senior Associate, North American Power/Alternative Energy Citigroup Ryan Levine, Senior Associate, North American Power/Alternative Energy Citigroup Group of 15-20 buy-side investors, TBD
Proposed date/time of meeting: In Person (x) By phone ( )
Contact name, phone, e-mail: Sophie Karp 212 816 3366 sophie.karp@citi.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Please note that submission of this form does not guarantee a meeting with Commissioner Peterman or her advisors.

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From:	Karp, Sophie
To:	'SandovalRequest@cpuc.ca.gov'
Sent:	10/22/2013 12:38:16 PM
Subject:	Citi - Meeting Request
Attachments:	CITI Sandoval request.doc

Hello,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 10/22/2013
Party requesting meeting: Citigroup
Docket # and Short Name:
Reason for the meeting: Meeting with utilities and energy investors and sell-side analysts Shahriar Pourreza (NA Power and Renewables) and Faisel Khan (Pipelines, Integrated Oil and Gas)
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Meeting Attendees (name, title, company): Shahriar (Shar) Pourreza, CFA Head of North American Power / Global Alt. Energy Citigroup Faisel Khan, Director, Integrated Oil & Gas Research Citigroup Sophie Karp, Senior Associate, North American Power/Alternative Energy Citigroup Ryan Levine, Senior Associate, North American Power/Alternative Energy Citigroup Group of 15-20 buy-side investors, TBD
Proposed date/time of meeting: We're requesting a meeting with all Commissioners (Florio, Sandoval, Ferron, Peterman and Presidnet Peevey) and we would like to have all those meetings coordinated back-to-back on the same day. We're tentatively planning our visit to CA between 1/13/2014 and 1/15/2014, but those dates are flexible and we can work around Commissioners' schedules.
Contact name, phone, e-mail: Sophie Karp sophie.karp@citi.com 212 816 3366

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From: Malliett, Valerie
To: Karp, Sophie ; SandovalRequest
Sent: 10/22/2013 12:40:29 PM
Subject: RE: Citi - Meeting Request

Dear Ms. Karp,

You have requested a meeting with Commissioner Peterman but have sent the request to Commissioner Sandoval's office. We do not manage Commissioner Peterman's schedule. Please contact her office directly.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, October 22, 2013 12:38 PM
To: SandovalRequest
Subject: Citi - Meeting Request

Hello,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From:	Mosbaugh, Scott
To:	Karp, Sophie
CC:	Fitch, Julie A.; Fernandez, Cristine
Sent:	10/22/2013 12:48:11 PM
Subject:	RE: Citigroup - Meeting Request

Hi Sophie,

Can you please tell me what date and time you are requesting to meet with us? Thanks.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, October 22, 2013 12:37 PM
To: Mosbaugh, Scott
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: Citigroup - Meeting Request

Scott,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Karp, Sophie
To: 'Mosbaugh, Scott'
Sent: 10/22/2013 12:50:47 PM
Subject: RE: Citigroup - Meeting Request

Scott,

We can do any date between 1/13/2014 and 1/15/2014 as we just started putting together the agenda for the trip. However, our goal is to have meetings with all Commissioners on the same date back-to-back, which is why we're keeping it flexible on our end. Let me know if you'd like to discuss further over the phone.

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, October 22, 2013 3:48 PM
To: Karp, Sophie [ICG-RSCH]
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: RE: Citigroup - Meeting Request

Hi Sophie,

Can you please tell me what date and time you are requesting to meet with us? Thanks.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, October 22, 2013 12:37 PM
To: Mosbaugh, Scott
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: Citigroup - Meeting Request

Scott,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Malliett, Valerie
To: Karp, Sophie
Sent: 10/22/2013 1:10:26 PM
Subject: RE: Citi - Meeting Request

Dear Ms. Karp,

We regret that we are unable to meet with Citigroup.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, October 22, 2013 12:38 PM
To: SandovalRequest
Subject: Citi - Meeting Request

Hello,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Karp, Sophie
To: 'Malliett, Valerie'
Sent: 10/22/2013 2:47:45 PM
Subject: RE: Citi - Meeting Request

Valerie,

Is there any other dates that would work better for Ms. Sandoval? Our schedule is very flexible and we can move the dates around to accommodate her schedule.

Best regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Tuesday, October 22, 2013 4:10 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Citi - Meeting Request

Dear Ms. Karp.

We regret that we are unable to meet with Citigroup.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, October 22, 2013 12:38 PM
To: SandovalRequest
Subject: Citi - Meeting Request

Hello,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Ferron, Mark J. on behalf of Banks, Juliane
To: Kamins, Sara M.; sophie.karp@citi.com
Sent: 10/29/2013 11:50:26 AM
Subject: Citigroup "Energy Investors" Mtg
Attachments: Attachment1

BNK 10/29/13

Contact: Sophie Karp 212-816-3366

1. Person (and company) requesting meeting:
Sharhriar Pourreza, Faisel Khan, Citigroup

Today's Date:
10/22/2013

2. Reason for meeting (subject, topic, issues):
Meeting with utilities and energy investors and sell-side analysts Shahriar Pourreza (NA Power and Renewables) and Faisel Khan (Pipelines, Integrated Oil and Gas)

3. Docket or Proceeding # (if applicable) and case name:

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): We're requesting a meeting with all Commissioners (Florio, Sandoval, Ferron, Peterman and President Peevey) and we would like to have all those meetings coordinated back-to-back on the same day. We're tentatively planning our visit to CA between 1/13/2014 and 1/15/2014, but those dates are flexible and we can work around Commissioners' schedules.

In Person **By phone**

Proposed staff: Comr. Ferron* **Charlotte TerKeurst** **Michael Colvin** **Sara Kamins** **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy** **Telecom** **Transportation** **Water** **General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No
7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding: **N/A**

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Shahriar (Shar) Pourreza, CFA	Vice President, Head of North American Power / Global Alt. Energy	Citigroup
Faisel Khan	Director, Integrated Oil & Gas Research	Citigroup
Sophie Karp	Senior Associate, North American Power/Alternative Energy	Citigroup
Ryan Levine	Senior Associate, North American Power/Alternative Energy	Citigroup

15-20 buy side investors, TBD

Name: Attachment1

From: Karp, Sophie
To: Banks, Juliane
Sent: 10/29/2013 12:12:15 PM
Subject: Accepted: Citigroup "Energy Investors" Mtg
Attachments: Attachment1

Name: Attachment1

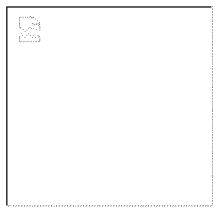
From: Karp, Sophie
To: 'Ferron, Mark J.'
Sent: 10/29/2013 12:12:15 PM
Subject: Accepted: Citigroup "Energy Investors" Mtg
Attachments: Attachment1

Name: Attachment1

From: Dahlgren, Joan
To: sophie.karp@citi.com
Sent: 10/31/2013 11:19:17 AM
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--MEETING CONFIRMATION--Corrected Copy

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13**

This will confirm that your meeting request for the above date has been set for (January 14, 2014, 3:00) with (Sepideh Khosrowjah, Marcelo Poirier),(Room 5305). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

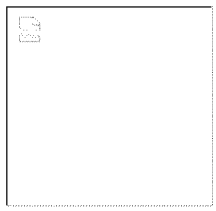
If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

Sophie, I'm sorry but due to other scheduling conflicts and the availability of a meeting room large enough to accommodate everyone, we need to schedule this meeting at 3:00 on January 14 instead of 11:00.--Joan

From: Dahlgren, Joan
To: sophie.karp@citi.com
Sent: 10/31/2013 11:30:55 AM
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--REVISED

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13--REVISED**

This will confirm that your meeting request for the above date has been set for (January 15, 2014,1:30pm) with (Sepideh Khosrowjah, Marcelo Poirier),(Room 5305). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From: Karp, Sophie
To: 'Dahlgren, Joan'
Sent: 10/31/2013 11:31:57 AM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--REVISED

Joan,

Thank you very much, I appreciate your help on this!

Sophie

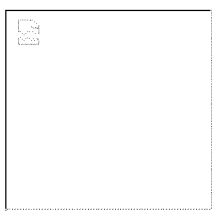
Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, October 31, 2013 2:31 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--REVISED

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13--REVISED**

This will confirm that your meeting request for the above date has been set for (January 15, 2014,1:30pm) with (Sepideh Khosrowjah, Marcelo Poirier),(Room 5305). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From:	sophie.karp@citi.com
To:	commissionerpeevey@cpuc.ca.gov
CC:	sophie.karp@citi.com
Sent:	10/31/2013 12:24:25 PM
Subject:	Citi - Requesting Meeting with Analysts and Investors

On 10/31/2013 Sophie Karp writes (using the Commissioner's Online Email Form):

Dear President Peevey, I hope this email finds you well. I am a Senior Associate in Equity Research at Citi and I work on Shar Pourreza's team covering electric utilities. Shar Pourreza is the Head of North American Power group. We are based in New York. We're currently planning our 2014 annual investors' trip to California where we expect to meet with CA PUC Commissioners and senior executives from CA-based utilities such as PG&E, Edison International and Sempra, and various other stakeholders. We expect to bring a group of 15-20 representatives of large institutional investors who will be accompanied by two Citi analysts, Shar Pourreza and Faisel Khan, and two of their associates including myself. Our priority is to meet with Commissioners and their advisors as our clients are extremely focused on the regulatory environment in the state, and found such meetings to be very helpful in the past. We currently have meetings with Commissioners Peterman, Ferron and Florio (advisors) on January 15 of 2015 at 10am, 11am and 1:30pm. We would really appreciate it if it would be possible for you to dedicate 30-40 minutes of your time on that day to meet with our group as well since our clients would really like to hear from you also. Perhaps, it would be possible to join us around noon in between our meetings for lunch, or around 9am-9:30am in the morning? Citi would be happy to provide lunch/breakfast. We understand that your schedule is very busy and we would greatly appreciate your time! I am attaching Shar's and Faisel's business bios for your reference. Best regards, Sophie Karp | Senior Associate North American Power / Global Alternative Energy Citi Research; U.S. Equities 388 Greenwich Street, New York, NY 10013-2375 Office 212-816-3366; sophie.karp@citi.com Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science. Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

From: Karp, Sophie
To: 'nur@cpuc.ca.gov'
Sent: 11/1/2013 2:53:00 PM
Subject: President Peevey - Meeting Request

Nuria,

It was good talking to you on the phone earlier.

I am a Senior Associate in Equity Research at Citi and I work on Shar Pourreza's team covering electric utilities. Shar Pourreza is the Head of North American Power group. We are based in New York.

We're currently planning our 2014 annual investors' trip to California where we expect to meet with CA PUC Commissioners and senior executives from CA-based utilities such as PG&E, Edison International and Sempra, and various other stakeholders. We expect to bring a group of 15-20 representatives of large institutional investors who will be accompanied by two Citi analysts, Shar Pourreza and Faisel Khan, and two of their associates including myself. Our priority is to meet with Commissioners and their advisors as our clients are extremely focused on the regulatory environment in the state, and found such meetings to be very helpful in the past.

We currently have meetings with Commissioners Peterman, Ferron and Florio (advisors) on January 15 of 2015 at 10am, 11am and 1:30pm. We would really appreciate it if it would be possible for President Peevey to dedicate 30-40 minutes of his time on that day to meet with our group as well since our clients would really like to hear from him also. Perhaps, it would be possible for him to join us around noon in between our meetings for lunch, or around 9am-9:30am in the morning? Citi would be happy to provide lunch/breakfast.

We understand that President Peevey's schedule is very busy and we would greatly appreciate hist time!

I am attaching Shar's and Faisel's business bios for your reference.

Best regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania,

receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Karp, Sophie
To: 'Gonzalez, Nuria'
Sent: 11/4/2013 6:26:25 AM
Subject: RE: President Peevey - Meeting Request
Attachments: PEEVEY MEETING REQUEST FORM NEW 2010 REVISED.doc

Nuria,

Please see attached the filled out request form. I put down requested time as 12pm on 1/15/2014, but we're flexible on timing as I mentioned in my original email.

Best regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Friday, November 01, 2013 6:33 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: President Peevey - Meeting Request

Please complete the attached form. Thanks!

Nuria

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, November 01, 2013 2:53 PM
To: Gonzalez, Nuria
Subject: President Peevey - Meeting Request

Nuria,

It was good talking to you on the phone earlier.

I am a Senior Associate in Equity Research at Citi and I work on Shar Pourreza's team covering electric utilities. Shar Pourreza is the Head of North American Power group. We are based in New York.

We're currently planning our 2014 annual investors' trip to California where we expect to meet with CA PUC Commissioners and senior executives from CA-based utilities such as PG&E, Edison International and Sempra, and various other stakeholders. We expect to bring a group of 15-20 representatives of large institutional investors who will be accompanied by two Citi analysts, Shar Pourreza and Faisel Khan, and two of their associates including myself. Our priority is to meet with Commissioners and their advisors as our clients are extremely focused on the regulatory environment in the state, and found such meetings to be very helpful in the past.

We currently have meetings with Commissioners Peterman, Ferron and Florio (advisors) on January 15 of 2015 at 10am, 11am and 1:30pm. We would really appreciate it if it would be possible for President Peevey to dedicate 30-40 minutes of his time on that day to meet with our group as well since our clients would really like to hear from him also. Perhaps, it would be possible for him to join us around noon in between our meetings for lunch, or around 9am-9:30am in the morning? Citi would be happy to provide lunch/breakfast.

We understand that President Peevey's schedule is very busy and we would greatly appreciate hist time!

I am attaching Shar's and Faisel's business bios for your reference.

Best regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

Sophie Karp | Senior Associate
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Office 212-816-3366;
sophie.karp@citi.com

MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(x) Party requesting meeting: Citigroup ( ) Party requesting conference call:
Today's date: 11/3/2013
Docket or proceeding # N/A
Reason for the meeting: Investors and analysts meeting
Industry (*please indicate with an X*) **ENERGY (x) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (x)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(x)
Has or will a hearing be held in this matter? YES( ) NO(x)
Attendees (name, title, company) - Number of attendees **20-25** **Shahriar (Shar) Pourreza**, CFA Head of North American Power Citigroup **Faisel Khan**, Director, Integrated Oil & Gas Research Citigroup Sophie Karp, Senior Associate, North American Power/Alternative Energy Citigroup Ryan Levine, Senior Associate, North American Power/Alternative Energy Citigroup Group of 15-20 buy-side investors, TBD
Proposed date/time of meeting: 1/15/2014, 12pm (Citi will provide lunch)
Contact name: Sophie Karp
Contact phone: 212 816 3366 sophie.karp@citi.com

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 11/4/2013

From: Pourreza, Shahriar
To: Pourreza, Shahriar
CC: Tarola, Lauren ; Karp, Sophie ; Khan, Faisel
Sent: 11/19/2013 5:16:07 AM
Subject: SAVE THE DATE | Citi's West Coast Power & Gas Trip | Jan 13 - 16 | California & Las Vegas

SAVE THE DATE. Requests will open in December. Open for Citi clients only – contact Citi Sales

Please Save the Date for Shar Pourreza and Faisel Khan's Annual

West Coast Power & Gas Trip

Dates: Monday, January 13, 2014 – Thursday, January 16, 2014

Location: San Francisco, San Diego, LA & Las Vegas

Trip Highlights: While the exact agenda is not yet finalized, the following meetings are confirmed:

- PG&E Corp (**PCG**) Headquarters Visit
- Edison International (**EIX**) Headquarters Visit
- Sempra (**SRE**) Headquarters Visit & Solar Farm Tour
- Southwest Gas (**SWX**) Headquarters Visit
- **Meetings with 4 California commissioners, including the Chairman**
- **Meeting with the Commissioner staff**
- **Meeting with TURN**, the consumer advocacy group in California

Please mark your calendar and look for further information in December.

Managed by Lauren Tarola

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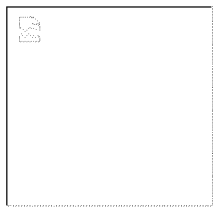
Shahriar (Shar) Pourreza, CFA
Head of North American Power
Global Alt Energy
Citigroup Global Markets
(o) 212 816 7903
(c) 973 632 6304
(f) 212 816 6227
shahriar.pourreza@citi.com

For important disclosures regarding Citi Investment Research & Analysis ("CIRA"), including with respect to any issuers mentioned herein, please refer to the CIRA disclosure website at https://www.citigroupgeo.com/geopublic/Disclosures/disclosure.html.

From: Dahlgren, Joan
To: sophie.karp@citi.com
Sent: 12/2/2013 9:51:06 AM
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

This will confirm that your meeting request for the above date has been set for (January 15, 2014, **4:00 PM**) with (Sepideh Khosrowjah, Marcelo Poirier),(Room 5305). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

Please note that we have had to revise the time for this meeting due to the fact that Commissioner Florio has to attend a crucial All-Party meeting that conflicts with the originally scheduled time of 1:30 on January 15. We regret the inconvenience. Sincerely, Joan Dahlgren

From: Karp, Sophie
To: 'cheryl.cox@cpuc.ca.gov'
Sent: 12/10/2013 9:33:41 AM
Subject: Following up - meeting with Citi

Dear Cheryl,

I hope this email finds you well. I left you a voice mail earlier today and wanted to follow up in the email.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

We would love to meet with the ORA representatives as there's very high demand from our clients to hear from consumer advocates on various issues. We would greatly appreciate if some members of the ORA Staff would be able to meet with our group for about 30 minutes. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan
To: sophie.karp@citi.com
Sent: 12/10/2013 3:28:58 PM
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hello Sophie—I sent this meeting confirmation noting the change of time for your January 15 meeting with Commissioner Florio's Chief of Staff; I wanted to be sure you received, so am sending again.

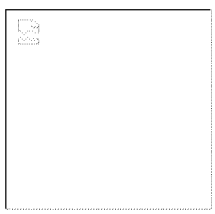
Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

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If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

Please note that we have had to revise the time for this meeting due to the fact that Commissioner Florio has to attend a crucial All-Party meeting that conflicts with the originally scheduled time of 1:30 on January 15. We regret the inconvenience.
Sincerely, Joan Dahlgren

From: Karp, Sophie
To: 'Dahlgren, Joan'
Sent: 12/11/2013 11:26:34 AM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Joan,

Thank you for re-sending, I don't think I received it the first time around so really appreciate the follow up.

Is 4pm the only time Ms. Khosrowjah and Mr. Poirier are available on 1/15? We can definitely work around it, but if they have any availability in the morning it would make scheduling much easier.

Best regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 6:29 PM
To: Karp, Sophie [ICG-RSCH]
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hello Sophie—I sent this meeting confirmation noting the change of time for your January 15 meeting with Commissioner Florio's Chief of Staff; I wanted to be sure you received, so am sending again.

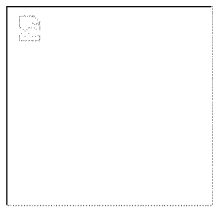
Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

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From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 12/11/2013 11:28:10 AM
Subject: RE: Following up - meeting with Citi

Thank you Cheryl, I appreciate it. We currently have 1pm – 4pm availability window. I look forward to hearing from you.

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 12:52 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie – Thanks for your interest in meeting with ORA. Let me check in with our Executive team and staff on availability, and one of us will get back to you.

Cheryl

Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
www.ora.ca.gov
Follow ORA on Facebook
Follow ORA on Twitter

newbannerFINAL3_rgb_xtra smal Email

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 10, 2013 9:34 AM
To: Cox, Cheryl
Subject: Following up - meeting with Citi

Dear Cheryl,

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Best regards,

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Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan
To: Karp, Sophie
Sent: 12/11/2013 11:29:48 AM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Sophie,

Sorry, morning scheduling is not possible.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 11:27 AM
To: Dahlgren, Joan
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Joan,

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Best regards,

Sophie

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388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 6:29 PM
To: Karp, Sophie [ICG-RSCH]
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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Sincerely,

Joan Dahlgren

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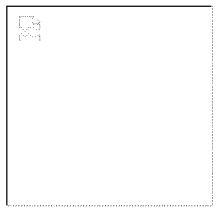
From: Dahlgren, Joan
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
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From: Karp, Sophie
To: 'Dahlgren, Joan'
Sent: 12/11/2013 11:30:33 AM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Ok, we will do 4pm. Thank you –

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, December 11, 2013 2:30 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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Sent: Wednesday, December 11, 2013 11:27 AM
To: Dahlgren, Joan
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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Office 212-816-3366;
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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 6:29 PM
To: Karp, Sophie [ICG-RSCH]
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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Sincerely,

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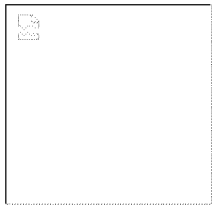
From: Dahlgren, Joan
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

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Sincerely, Joan Dahlgren

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 12/11/2013 2:21:29 PM
Subject: RE: Following up - meeting with Citi

Cheryl,

Here's some high level topics of discussion that would be of interest to our clients. Thank you,

Sophie

1. State renewable mandate, its impact on the grid and utilities
2. Impact of DG, rate reform and AB 327 implementation
3. Views on carbon market developments in CA
4. Impact of evolving EPA regulation (carbon, rule 360 b, etc.)
5. Future of nuclear generation in the state
6. Pipeline safety measures across utilities
7. Rising interest rates impact on CoC and rate payers
8. Rising cost of capital impact on investment in infrastructure
9. Discussion of electric and gas rate setting mechanisms in CA

Sophie Karp | Senior Associate
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Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, December 11, 2013 2:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

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From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 11:28 AM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Thank you Cheryl, I appreciate it. We currently have 1pm – 4pm availability window. I look forward to hearing from you.

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities

388 Greenwich Street, New York, NY 10013-2375

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sophie.karp@citi.com

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Sent: Tuesday, December 10, 2013 12:52 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie – Thanks for your interest in meeting with ORA. Let me check in with our Executive team and staff on availability, and one of us will get back to you.

Cheryl

Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
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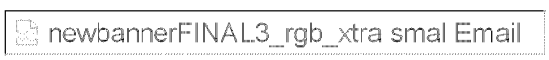
Follow ORA on Twitter



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We would love to meet with the ORA representatives as there's very high demand from our clients to hear from consumer advocates on various issues. We would greatly appreciate if some members of the ORA Staff would be able to meet with our group for about 30 minutes. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

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Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Karp, Sophie
To: 'efr@cpuc.ca.gov'
Sent: 12/11/2013 2:48:17 PM
Subject: Meeting with Citi Request

Dear Edward,

I hope this email finds you well.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

We would love to meet with the Energy Division representatives as well to give our clients an opportunity to hear from all stakeholders and have a better understanding of how the Commission makes its determinations. We would greatly appreciate if you or some members of your staff would be able to meet with our group. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

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North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris
To: sophie.karp@citi.com
Sent: 12/13/2013 9:57:32 AM
Subject: Meeting Request on Citi

Hi Sophie,

Ed has availability on January 15th in the afternoon at 2:00 p.m. to 3:00 p.m.

Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie
To: 'Lo, Doris'
Sent: 12/13/2013 10:01:41 AM
Subject: RE: Meeting Request on Citi

Doris,

That timeframe would work great for us! Thank you so much

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Friday, December 13, 2013 12:58 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting Request on Citi

Hi Sophie,

Ed has availability on January 15th in the afternoon at 2:00 p.m. to 3:00 p.m.

Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Randolph, Edward F. on behalf of Lo, Doris
To: Walker, Cynthia; sopie.karp@citi.com
Sent: 12/13/2013 10:13:09 AM
Subject: Meeting with Citi
Attachments: Attachment1

Dear Edward,

I hope this email finds you well.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

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Office 212-816-3366;
sophie.karp@citi.com

Name: Attachment1

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 12/13/2013 12:47:40 PM
Subject: RE: Following up - meeting with Citi

Hi Cheryl,

Thank you for looking into this, much appreciated. Could we do 3pm – 4pm? With respect to what we'd like to discuss, we usually like to let our clients drive the conversation, however we can anticipate what they're interested in and what they'd be asking. I believe that pipeline safety and rate reform are going to be the most interesting topics for our clients to discuss.

Best regards,

Sophie

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388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Thursday, December 12, 2013 7:15 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie - So, I was checking with the group simultaneously and it looks like they currently have the 1-4pm timeframe on Jan 15 open. So, just let me know what time you would prefer, and I'll make sure it gets on everyone's calendars.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 2:21 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Cheryl,

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Sophie

1. State renewable mandate, its impact on the grid and utilities
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To: Karp, Sophie [ICG-RSCH]
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sophie.karp@citi.com

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 12/16/2013 1:03:22 PM
Subject: RE: Following up - meeting with Citi

Cheryl,

We will be bringing approximately 12 clients in addition to 2 Citi analysts (Shar Pourreza and Faisel Khan) and myself. Below are the bios of Citi's analysts who will be attending. Thank you very much for your help.

Sophie

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

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sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Friday, December 13, 2013 6:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Thanks, Sophie. I'll schedule this time and let everyone know about issue approach.

How many people will you be bringing with you?

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, December 13, 2013 12:48 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

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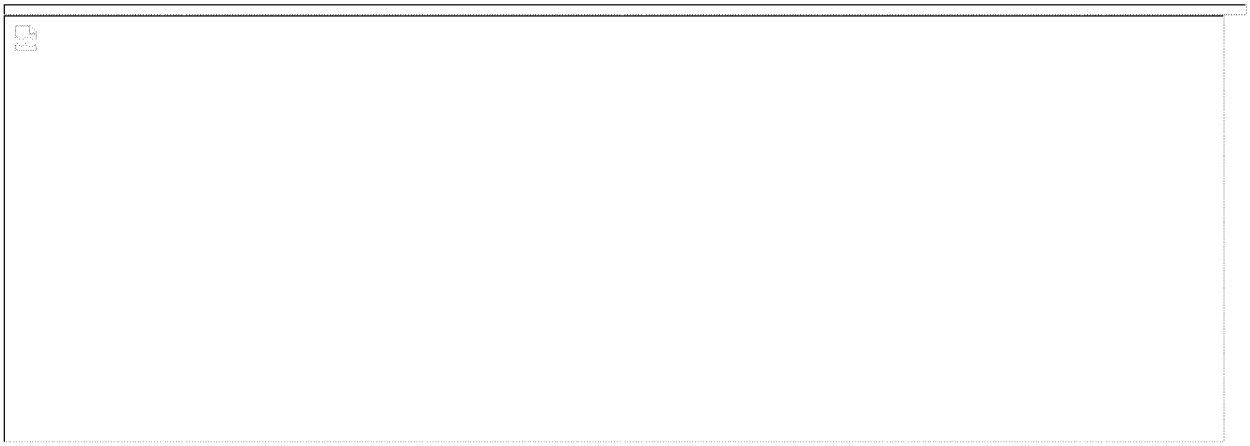
sophie.karp@citi.com

From:	Pourreza, Shahriar
To:	Pourreza, Shahriar ; Karp, Sophie ; Matus, Michael ; Pignata, Gerard ; Khan, Faisel ; Rudovic, Mark ; Rudovic, Mark ; Tarola, Lauren
Sent:	12/16/2013 1:34:17 PM
Subject:	Agenda | Citi's West Coast Power & Gas Trip | Jan 13 - 16 | California & Las Vegas

Below is the updated agenda for the West Coast Power & Gas Trip next month. OPEN FOR CITI CLIENTS ONLY. Please contact Citi sales to register.



Please join Shar Pourreza and Faisel Khan for their annual

West Coast Power & Gas Trip

Dates: Monday, January 13, 2014 – Thursday, January 16, 2014

Location: San Francisco, San Diego, LA & Las Vegas

Agenda:

Monday, January 13

12:30 PM	**Arrive in San Francisco** - Suggested flight from NYC to San Fran: United 317
2:00 PM	**PG&E Corp** - Anthony Earley (CEO) - Kent Harvey (CFO)
4:00 PM	**Transportation to airport**
7:25 PM	**Flight to San Diego** - Suggested flight to San Diego: Southwest Airlines 4737
9:00 PM	**Transportation to Hotel** - Suggested hotel: The W San Diego

Tuesday, January 14

8:00 AM	**Bus transportation from W San Diego**
9:00 AM	**Sempra Energy** - Joe Householder (CFO) - Mark Snell (President) - Lee Schavrien (SVP, Financial, Legislative & Regulatory Affairs) - George Liparidis (President & CEO)
11:15 AM	**Transportation to LA by bus**
2:00 PM	**Edison International** - Ted Craver (CEO) - Jim Scilacci (CFO) - Ron Litzinger (CEO, Southern California Edison) - Linda Sullivan (CFO, Southern California Edison)
4:00 PM	**Transportation to hotel** - Suggested Hotel: Beverly Wilshire LA

Wednesday, January 15

6:00 AM	**Flight to San Francisco** - Suggested Flight: Southwest Airlines 1351
7:30 AM	**Transportation from Airport**
8:30 AM	**Meeting with TURN** - Mark Toney, Executive Director
10:00 AM	**Walk or bus to CPUC Offices (1 mile)** - Commissioner Peterman - Commissioner Ferron - President Peevey - Edward Randolph, Director CPUC Energy Division - ORA Staff (TBD) - Mr. Marcelo Poirier, Legal Advisor to Commissioner Florio - Ms. Sepideh Khosrowjah, Chief of Staff and Advisor on energy policy issues to Commissioner Florio
5:00 PM	**Transportation to airport**
7:38 PM	**Flight to Las Vegas** - Suggested flight: United 257
9:20 PM	**Transportation to Hotel** - Suggested Hotel: Encore at the Wynn Las Vegas

Thursday, January 16

8:00 AM	**Transportation to Sempra Solar Facility**
9:00 AM	**Tour of Sempra Solar Facility**
11:30 AM	**Transportation to restaurant for lunch**

12:00 PM	**Lunch with Southwest Gas Management** - Jeffrey W. Shaw (President & CEO) - Kenneth J. Kenny (VP, Finance & Treasurer) - Roy R. Centrella (SVP & CFO)

Managed by Lauren Tarola

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Shahriar (Shar) Pourreza, CFA
Head of North American Power
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shahriar.pourreza@citi.com

For important disclosures regarding Citi Investment Research & Analysis ("CIRA"), including with respect to any issuers mentioned herein, please refer to the CIRA disclosure website at https://www.citigroupgeo.com/geopublic/Disclosures/disclosure.html.

From: Karp, Sophie
To: 'Lo, Doris'
Sent: 12/17/2013 10:37:33 AM
Subject: RE: Meeting Request on Citi

Hi Doris,

I wanted to follow up to confirm scheduling of this meeting.

Also, below are bios of Citi's analysts who would be attending, Shar Pourreza and Faisel Khan. We also expect to bring a group of approximately 12 investors – we expect to finalize the list in the next couple of weeks.

Best regards,

Sophie

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Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Lo, Doris
To: Karp, Sophie
Sent: 12/17/2013 10:45:06 AM
Subject: RE: Meeting Request on Citi

Hi Sophie,

The Citi Meeting is scheduled on January 15, 2014 at 2:30 p.m. to 3:30 p.m.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
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To: Lo, Doris
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Energy Division
(415) 703-1974

From: Karp, Sophie
To: 'Lo, Doris'
Sent: 12/17/2013 10:52:31 AM
Subject: RE: Meeting Request on Citi

Thank you Doris. Is there any chance that could be moved to 2:00-3pm time slot?

Thank you,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 1:45 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

The Citi Meeting is scheduled on January 15, 2014 at 2:30 p.m. to 3:30 p.m.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:38 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Hi Doris,

I wanted to follow up to confirm scheduling of this meeting.

Also, below are bios of Citi's analysts who would be attending, Shar Pourreza and Faisel Khan. We also expect to bring a group of approximately 12 investors – we expect to finalize the list in the next couple of weeks.

Best regards,

Sophie

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from

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From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Friday, December 13, 2013 12:58 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting Request on Citi

Hi Sophie,

Ed has availability on January 15th in the afternoon at 2:00 p.m. to 3:00 p.m.

Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Lo, Doris
To: Karp, Sophie
Sent: 12/17/2013 4:18:51 PM
Subject: RE: Meeting Request on Citi

Hi Sophie,

Can you tell me how many people will be joining the meeting?

Thanks,

Doris lo

From: Karp, Sophie [mailto:sophie.karp@citi.com]
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Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie
To: 'Lo, Doris'
Sent: 12/17/2013 4:39:13 PM
Subject: RE: Meeting Request on Citi

Doris,

The total head count will be approximately 15 people. We will be able to provide the full list of attendees closer to the date.

Thank you,

Sophie

-----Original Message-----
From: Lo, Doris [doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 07:19 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

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Doris Lo
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(415) 703-1974

From: Lo, Doris
To: Karp, Sophie
Sent: 12/17/2013 4:58:46 PM
Subject: RE: Meeting Request on Citi

Hi Sophie,

Ed is only available at 2:30 p.m. to 3:30 p.m.

Doris

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From: Karp, Sophie
To: 'Lo, Doris'
Sent: 12/19/2013 9:54:07 AM
Subject: RE: Meeting Request on Citi

Thank you Doris. We're confirmed for 2:30pm

Regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
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From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 12/19/2013 10:00:51 AM
Subject: RE: Following up - meeting with Citi

Hi Cheryl,

Is there any way that we could split this meeting into 2 sections as follows: 2pm – 2:30pm and 3:30pm -4pm instead of having it from 3pm to 4pm?We are experiencing some last minute scheduling conflicts with other meetings at CPUC. Would really appreciate it. Let me know and happy holidays!

Sophie

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From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Monday, December 16, 2013 4:05 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Thanks!

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, December 16, 2013 1:03 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Cheryl,

We will be bringing approximately 12 clients in addition to 2 Citi analysts (Shar Pourreza and Faisel Khan) and myself. Below are the bios of Citi's analysts who will be attending. Thank you very much for your help.

Sophie

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From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Friday, December 13, 2013 6:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Thanks, Sophie. I'll schedule this time and let everyone know about issue approach.

How many people will you be bringing with you?

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, December 13, 2013 12:48 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Hi Cheryl,

Thank you for looking into this, much appreciated. Could we do 3pm – 4pm? With respect to what we'd like to discuss, we usually like to let our clients drive the conversation, however we can anticipate what they're interested in and what they'd be asking. I believe that pipeline safety and rate reform are going to be the most interesting topics for our clients to discuss.

Best regards,

Sophie

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From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Thursday, December 12, 2013 7:15 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie - So, I was checking with the group simultaneously and it looks like they currently have the 1-4pm timeframe on Jan 15 open. So, just let me know what time you would prefer, and I'll make sure it gets on everyone's calendars.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 2:21 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Cheryl,

Here's some high level topics of discussion that would be of interest to our clients. Thank you,

Sophie

1. State renewable mandate, its impact on the grid and utilities
2. Impact of DG, rate reform and AB 327 implementation
3. Views on carbon market developments in CA
4. Impact of evolving EPA regulation (carbon, rule 360 b, etc.)
5. Future of nuclear generation in the state
6. Pipeline safety measures across utilities
7. Rising interest rates impact on CoC and rate payers
8. Rising cost of capital impact on investment in infrastructure
9. Discussion of electric and gas rate setting mechanisms in CA

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From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, December 11, 2013 2:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

I've heard there is interest. Can you give me a list of issues that you are interested in discussing so that I can see if the right experts are available at those times – and that would also help us to be prepared. Thanks.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 11:28 AM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Thank you Cheryl, I appreciate it. We currently have 1pm – 4pm availability window. I look forward to hearing from you.

Sophie

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Sent: Tuesday, December 10, 2013 12:52 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie – Thanks for your interest in meeting with ORA. Let me check in with our Executive team and staff on availability, and one of us will get back to you.

Cheryl

Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
www.ora.ca.gov
Follow ORA on Facebook
Follow ORA on Twitter

newbannerFINAL3_rgb_xtra smal Email

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Subject: Following up - meeting with Citi

Dear Cheryl,

I hope this email finds you well. I left you a voice mail earlier today and wanted to follow up in the email.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

We would love to meet with the ORA representatives as there's very high demand from our clients to hear from consumer advocates on various issues. We would greatly appreciate if some members of the ORA Staff would be able to meet with our group for about 30 minutes. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;

sophie.karp@citi.com

From: Karp, Sophie
To: 'Mosbaugh, Scott'
Sent: 12/26/2013 12:45:58 PM
Subject: RE: Citigroup - Meeting Request

Scott,

Hope all is well and you're enjoying the holidays. I wanted to confirm the meeting of our group with Commissioner Peterman on January 15, 2014 at 10am.

We will provide the complete list of attendees shortly.

Best regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, October 22, 2013 3:48 PM
To: Karp, Sophie [ICG-RSCH]
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: RE: Citigroup - Meeting Request

Hi Sophie,

Can you please tell me what date and time you are requesting to meet with us? Thanks.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, October 22, 2013 12:37 PM
To: Mosbaugh, Scott
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: Citigroup - Meeting Request

Scott,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy

Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Karp, Sophie
To: 'Gonzalez, Nuria'
Sent: 12/26/2013 12:47:28 PM
Subject: RE: President Peevey - Meeting Request

Dear Nuria,

I hope all is well and you're enjoying the holidays. I am writing to confirm the meeting of our group with President Peevey at noon on January 15, 2014 (lunch provided by Citigroup).

We will also provide the list of attendees shortly.

Best regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Friday, November 01, 2013 6:33 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: President Peevey - Meeting Request

Please complete the attached form. Thanks!

Nuria

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, November 01, 2013 2:53 PM
To: Gonzalez, Nuria
Subject: President Peevey - Meeting Request

Nuria,

It was good talking to you on the phone earlier.

I am a Senior Associate in Equity Research at Citi and I work on Shar Pourreza's team covering electric utilities. Shar Pourreza is the Head of North American Power group. We are based in New York.

We're currently planning our 2014 annual investors' trip to California where we expect to meet with CA PUC Commissioners and senior executives from CA-based utilities such as PG&E, Edison International and Sempra, and various other stakeholders. We expect to bring a group of 15-20 representatives of large institutional investors who will be accompanied by two Citi analysts, Shar Pourreza and Faisel Khan, and two of their associates including myself. Our priority is to meet with Commissioners and their advisors as our clients are extremely focused on the regulatory environment in the state, and found such meetings to be very helpful in the past.

We currently have meetings with Commissioners Peterman, Ferron and Florio (advisors) on January 15 of 2015 at 10am, 11am and 1:30pm. We would really appreciate it if it would be possible for President Peevey to dedicate 30-40 minutes of his time on that day to meet with our group as well since our clients would really like to hear from him also. Perhaps, it would be possible for him to join us around noon in between our meetings for lunch, or around 9am-9:30am

in the morning? Citi would be happy to provide lunch/breakfast.

We understand that President Peevey's schedule is very busy and we would greatly appreciate hist time!

I am attaching Shar's and Faisel's business bios for your reference.

Best regards,

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Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

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sophie.karp@citi.com

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

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Office 212-816-3366;
sophie.karp@citi.com

From: Mosbaugh, Scott
To: Karp, Sophie
Sent: 12/30/2013 9:21:55 AM
Subject: RE: Citigroup - Meeting Request

Hi Sophie,

Yes, you are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Thursday, December 26, 2013 12:46 PM
To: Mosbaugh, Scott
Subject: RE: Citigroup - Meeting Request

Scott,

Hope all is well and you're enjoying the holidays. I wanted to confirm the meeting of our group with Commissioner Peterman on January 15, 2014 at 10am.

We will provide the complete list of attendees shortly.

Best regards,

Sophie

Sophie Karp | Senior Associate
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Office 212-816-3366;
sophie.karp@citi.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, October 22, 2013 3:48 PM
To: Karp, Sophie [ICG-RSCH]
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: RE: Citigroup - Meeting Request

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Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102

415-703-4435

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To: Mosbaugh, Scott
Cc: Fitch, Julie A.; Fernandez, Cristine
Subject: Citigroup - Meeting Request

Scott,

I am requesting a meeting with Commissioner Peterman as indicated in the request form (attached)

Regards,

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Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Karp, Sophie
To: 'Lo, Doris'
Sent: 1/6/2014 2:26:23 PM
Subject: RE: Meeting Request on Citi

Hi Doris,

Hope all is well – I wanted to touch base to confirm the meeting next week. Please let me know if there's been any change in Mr. Randolph's availability (we can start as early as 2pm).

Also, below please find the list of attendees from our side:

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
York Capital - *Jeff Rosenbaum*

Best regards,

Sophie.

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North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 7:59 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

Ed is only available at 2:30 p.m. to 3:30 p.m.

Doris

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 4:39 PM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Doris,

The total head count will be approximately 15 people. We will be able to provide the full list of attendees closer to the date.

Thank you,

Sophie

-----Original Message-----
From: Lo, Doris [doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 07:19 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

Can you tell me how many people will be joining the meeting?

Thanks,

Doris lo

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:53 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Thank you Doris. Is there any chance that could be moved to 2:00-3pm time slot?

Thank you,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 1:45 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

The Citi Meeting is scheduled on January 15, 2014 at 2:30 p.m. to 3:30 p.m.

Doris Lo

Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:38 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Hi Doris,

I wanted to follow up to confirm scheduling of this meeting.

Also, below are bios of Citi's analysts who would be attending, Shar Pourreza and Faisel Khan. We also expect to bring a group of approximately 12 investors – we expect to finalize the list in the next couple of weeks.

Best regards,

Sophie

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

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388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Friday, December 13, 2013 12:58 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting Request on Citi

Hi Sophie,

Ed has availability on January 15th in the afternoon at 2:00 p.m. to 3:00 p.m.

Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 1/6/2014 2:59:09 PM
Subject: Meeting with Citi Jan 15 - Attendees

Hi Cheryl,

I wanted to follow up to confirm our meeting next week on 15th and to provide you with the list of attendees (see below). Please let me know if there's been any changes in availability on your side. Also, if you could provide me with the list of attendees from the ORA I would appreciate it.

Best regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
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North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Friday, December 13, 2013 6:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Thanks, Sophie. I'll schedule this time and let everyone know about issue approach.

How many people will you be bringing with you?

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, December 13, 2013 12:48 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Hi Cheryl,

Thank you for looking into this, much appreciated. Could we do 3pm – 4pm? With respect to what we'd like to discuss,

we usually like to let our clients drive the conversation, however we can anticipate what they're interested in and what they'd be asking. I believe that pipeline safety and rate reform are going to be the most interesting topics for our clients to discuss.

Best regards,

Sophie

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North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Thursday, December 12, 2013 7:15 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie - So, I was checking with the group simultaneously and it looks like they currently have the 1-4pm timeframe on Jan 15 open. So, just let me know what time you would prefer, and I'll make sure it gets on everyone's calendars.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 2:21 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Cheryl,

Here's some high level topics of discussion that would be of interest to our clients. Thank you,

Sophie

1. State renewable mandate, its impact on the grid and utilities
2. Impact of DG, rate reform and AB 327 implementation
3. Views on carbon market developments in CA
4. Impact of evolving EPA regulation (carbon, rule 360 b, etc.)
5. Future of nuclear generation in the state
6. Pipeline safety measures across utilities
7. Rising interest rates impact on CoC and rate payers
8. Rising cost of capital impact on investment in infrastructure
9. Discussion of electric and gas rate setting mechanisms in CA

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I've heard there is interest. Can you give me a list of issues that you are interested in discussing so that I can see if the right experts are available at those times – and that would also help us to be prepared. Thanks.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 11:28 AM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Thank you Cheryl, I appreciate it. We currently have 1pm – 4pm availability window. I look forward to hearing from you.

Sophie

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North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 12:52 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie – Thanks for your interest in meeting with ORA. Let me check in with our Executive team and staff on availability, and one of us will get back to you.

Cheryl

Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
www.ora.ca.gov
Follow ORA on Facebook
Follow ORA on Twitter

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 10, 2013 9:34 AM

To: Cox, Cheryl
Subject: Following up - meeting with Citi

Dear Cheryl,

I hope this email finds you well. I left you a voice mail earlier today and wanted to follow up in the email.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

We would love to meet with the ORA representatives as there's very high demand from our clients to hear from consumer advocates on various issues. We would greatly appreciate if some members of the ORA Staff would be able to meet with our group for about 30 minutes. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

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Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl
To: Karp, Sophie
Sent: 1/6/2014 3:06:56 PM
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thanks, Sophie. Yes, we're still on.

Attending for ORA will be...

Joe Como, Acting Director
Linda Serizawa, Deputy Director Energy
Mark Pocta, Program Manager – Energy Cost of Service (Rate Cases & Natural Gas)
Truman Burns, Supervisor – Rate Cases & SONGS closure issue
Nat Skinner, Supervisor – Natural Gas
Mike Campbell, Program Manager – Customer Rates and Programs (e.g., Energy Efficiency, Demand Response)

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 06, 2014 2:59 PM
To: Cox, Cheryl
Subject: Meeting with Citi Jan 15 - Attendees

Hi Cheryl,

I wanted to follow up to confirm our meeting next week on 15th and to provide you with the list of attendees (see below). Please let me know if there's been any changes in availability on your side. Also, if you could provide me with the list of attendees from the ORA I would appreciate it.

Best regards,

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Shar Pourreza – Citigroup
Faisel Khan – Citigroup
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Cheryl

Cheryl Cox

Policy Advisor
ORA – Office of Ratepayer Advocates
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Best regards,

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Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris
To: 'Karp, Sophie '
Sent: 1/6/2014 3:36:22 PM
Subject: RE: Meeting Request on Citi

Hi Sophie,

Yes, the meeting on Citi is still scheduled for January 15th at 2:30 p.m. to 3:30 p.m.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 06, 2014 2:26 PM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Hi Doris,

Hope all is well – I wanted to touch base to confirm the meeting next week. Please let me know if there's been any change in Mr. Randolph's availability (we can start as early as 2pm).

Also, below please find the list of attendees from our side:

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
York Capital - *Jeff Rosenbaum*

Best regards,

Sophie.

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 7:59 PM
To: Karp, Sophie [ICG-RSCH]

Subject: RE: Meeting Request on Citi

Hi Sophie,

Ed is only available at 2:30 p.m. to 3:30 p.m.

Doris

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 4:39 PM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Doris,

The total head count will be approximately 15 people. We will be able to provide the full list of attendees closer to the date.

Thank you,

Sophie

-----Original Message-----
From: Lo, Doris [doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 07:19 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

Can you tell me how many people will be joining the meeting?

Thanks,

Doris lo

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:53 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Thank you Doris. Is there any chance that could be moved to 2:00-3pm time slot?

Thank you,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;

sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 1:45 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

The Citi Meeting is scheduled on January 15, 2014 at 2:30 p.m. to 3:30 p.m.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:38 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Hi Doris,

I wanted to follow up to confirm scheduling of this meeting.

Also, below are bios of Citi's analysts who would be attending, Shar Pourreza and Faisel Khan. We also expect to bring a group of approximately 12 investors – we expect to finalize the list in the next couple of weeks.

Best regards,

Sophie

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

Sophie Karp | Senior Associate

North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Friday, December 13, 2013 12:58 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting Request on Citi

Hi Sophie,

Ed has availability on January 15th in the afternoon at 2:00 p.m. to 3:00 p.m.

Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Banks, Juliane
To: sophie.karp@citi.com
Sent: 1/8/2014 10:17:47 AM
Subject: 1/15 11am Mtg

Hi Sophie,

I just wanted to follow up to see if you have the final attendee list for next week's meeting? Please confirm.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Karp, Sophie
To: 'Banks, Juliane'
Sent: 1/8/2014 10:22:06 AM
Subject: RE: 1/15 11am Mtg

Juliane,

Yes we have the list – please see below. We look forward to the meeting. Regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 1:18 PM
To: Karp, Sophie [ICG-RSCH]
Subject: 1/15 11am Mtg

Hi Sophie,

I just wanted to follow up to see if you have the final attendee list for next week's meeting? Please confirm.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Banks, Juliane
To: Karp, Sophie
Sent: 1/8/2014 10:31:28 AM
Subject: RE: 1/15 11am Mtg

Thank you!

Juliane

415-703-2284

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 08, 2014 10:22 AM
To: Banks, Juliane
Subject: RE: 1/15 11am Mtg

Juliane,

Yes we have the list – please see below. We look forward to the meeting. Regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 1:18 PM
To: Karp, Sophie [ICG-RSCH]
Subject: 1/15 11am Mtg

Hi Sophie,

I just wanted to follow up to see if you have the final attendee list for next week's meeting? Please confirm.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Karp, Sophie
To: 'Gonzalez, Nuria'
Sent: 1/8/2014 12:12:46 PM
Subject: RE: Meeting on January 15 with President Peevey

Nuria,

Yes this should be fine. Thank you. Also, below is the list of attendees from our side.

Regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup

Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 3:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting on January 15 with President Peevey

Hello Sophie,
Something has come up and we need to move the meeting scheduled January 15 to a later time. President Peevey is available to meet at 12:30 – 1:30 p.m. instead. Please let me know if this work. Thanks!

Nuria

Nuria I. Gonzalez
Administrative Assistant to
President Michael R. Peevey
California Public Utilities Commission

505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-2156
Nur@cpuc.ca.gov

From: Karp, Sophie
To: 'Dahlgren, Joan'
Sent: 1/8/2014 12:35:42 PM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Joan,

I wanted to confirm the meeting on 15th at 4pm. Also, if by any chance Ms. Khosrowjah and Mr. Poirier availability on that day changed and they could be available earlier than 4pm, please let me know.

Also, below is the list of attendees from our side:

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton – Citigroup

Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 6:29 PM
To: Karp, Sophie [ICG-RSCH]
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hello Sophie—I sent this meeting confirmation noting the change of time for your January 15 meeting with Commissioner Florio's Chief of Staff; I wanted to be sure you received, so am sending again.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840

jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum

Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

This will confirm that your meeting request for the above date has been set for (January 15, 2014, **4:00 PM**) with (Sepideh Khosrowjah, Marcelo Poirier),(Room 5305). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

Please note that we have had to revise the time for this meeting due to the fact that Commissioner Florio has to attend a crucial All-Party meeting that conflicts with the originally scheduled time of 1:30 on January 15. We regret the inconvenience.
Sincerely, Joan Dahlgren

From: Karp, Sophie
To: 'Gonzalez, Nuria'
Sent: 1/8/2014 12:55:21 PM
Subject: RE: Meeting on January 15 with President Peevey

Nuria,

Is there any chance that we could have President Peevey stay until 2pm? I think there will be considerable amount of interest from clients and we wanted to give them all an opportunity to ask a question.

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 3:26 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting on January 15 with President Peevey

Thank you Sophie.

Nuria

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 08, 2014 12:13 PM
To: Gonzalez, Nuria
Subject: RE: Meeting on January 15 with President Peevey

Nuria,

Yes this should be fine. Thank you. Also, below is the list of attendees from our side.

Regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup

Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
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Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 3:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting on January 15 with President Peevey

Hello Sophie,
Something has come up and we need to move the meeting scheduled January 15 to a later time. President Peevey is available to meet at 12:30 – 1:30 p.m. instead. Please let me know if this work. Thanks!

Nuria

Nuria I. Gonzalez
Administrative Assistant to
President Michael R. Peevey
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-2156
Nur@cpuc.ca.gov

From: Dahlgren, Joan
To: Karp, Sophie
CC: Khosrowjah, Sepideh; Poirier, Marcelo
Sent: 1/8/2014 1:20:34 PM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Sophie,

Thank you for your updated meeting list. As I explained in my earlier email, we needed to change the time for this meeting because both the Commissioner and Ms. Khosrowjah need to be present in a crucial All-Party meeting earlier in the day, and the Commission meeting room able to hold a group of this size is also booked earlier in the day as well. So, unfortunately, I would not be able to know of any schedule changes until the actual day of the meeting itself; as a result, your group should plan on meeting with us at 4:00 on the 15th. We look forward to seeing you then.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 08, 2014 12:36 PM
To: Dahlgren, Joan
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Joan,

I wanted to confirm the meeting on 15th at 4pm. Also, if by any chance Ms. Khosrowjah and Mr. Poirier availability on that day changed and they could be available earlier than 4pm, please let me know.

Also, below is the list of attendees from our side:

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton – Citigroup

Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 6:29 PM
To: Karp, Sophie [ICG-RSCH]
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hello Sophie—I sent this meeting confirmation noting the change of time for your January 15 meeting with Commissioner Florio's Chief of Staff; I wanted to be sure you received, so am sending again.

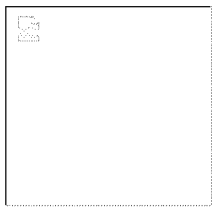
Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

This will confirm that your meeting request for the above date has been set for (January 15, 2014, **4:00 PM**) with (Sepideh Khosrowjah, Marcelo Poirier),(Room 5305). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

Please note that we have had to revise the time for this meeting due to the fact that Commissioner Florio has to attend a crucial All-Party meeting that conflicts with the originally scheduled time of 1:30 on January 15. We regret the inconvenience. Sincerely, Joan Dahlgren

From: Karp, Sophie
To: 'Gonzalez, Nuria'
Sent: 1/8/2014 1:40:33 PM
Subject: RE: Meeting on January 15 with President Peevey

Nuria,

Thank you.

Regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 4:32 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting on January 15 with President Peevey

Hi Sophie,
Unfortunately, President Peevey has another meeting to attend.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 08, 2014 12:55 PM
To: Gonzalez, Nuria
Subject: RE: Meeting on January 15 with President Peevey

Nuria,

Is there any chance that we could have President Peevey stay until 2pm? I think there will be considerable amount of interest from clients and we wanted to give them all an opportunity to ask a question.

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 3:26 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting on January 15 with President Peevey

Thank you Sophie.

Nuria

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 08, 2014 12:13 PM
To: Gonzalez, Nuria
Subject: RE: Meeting on January 15 with President Peevey

Nuria,

Yes this should be fine. Thank you. Also, below is the list of attendees from our side.

Regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup

Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 3:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting on January 15 with President Peevey

Hello Sophie,
Something has come up and we need to move the meeting scheduled January 15 to a later time. President Peevey is available to meet at 12:30 – 1:30 p.m. instead. Please let me know if this work. Thanks!

Nuria

Nuria I. Gonzalez
Administrative Assistant to
President Michael R. Peevey
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(415) 703-2156
Nur@cpuc.ca.gov

From: Karp, Sophie
To: 'Dahlgren, Joan'
Sent: 1/8/2014 1:42:03 PM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Thank you Joan. I received a number of last-minute changes requests from other participants so I thought I'd check. We look forward to the meeting.

Regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 4:21 PM
To: Karp, Sophie [ICG-RSCH]
Cc: Khosrowjah, Sepideh; Poirier, Marcelo
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Hi Sophie,

Thank you for your updated meeting list. As I explained in my earlier email, we needed to change the time for this meeting because both the Commissioner and Ms. Khosrowjah need to be present in a crucial All-Party meeting earlier in the day, and the Commission meeting room able to hold a group of this size is also booked earlier in the day as well. So, unfortunately, I would not be able to know of any schedule changes until the actual day of the meeting itself; as a result, your group should plan on meeting with us at 4:00 on the 15th. We look forward to seeing you then.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 08, 2014 12:36 PM
To: Dahlgren, Joan
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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Faisel Khan – Citigroup
Sophie Karp – Citigroup
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Regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

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Sent: Tuesday, December 10, 2013 6:29 PM
To: Karp, Sophie [ICG-RSCH]
Subject: FW: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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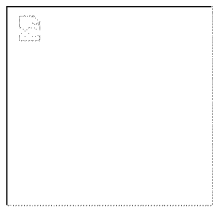
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

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Sent: 1/9/2014 3:34:01 PM
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Thank you,

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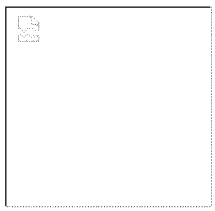
State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

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Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

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Sincerely, Joan Dahlgren

From: Dahlgren, Joan
To: Karp, Sophie
CC: Gonzalez, Nuria
Sent: 1/9/2014 4:19:08 PM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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Sent: Thursday, January 09, 2014 3:34 PM
To: Dahlgren, Joan
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

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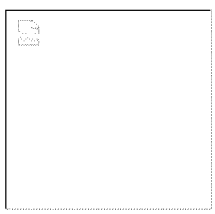
Sent: Monday, December 02, 2013 9:51 AM
To: sophie.karp@citi.com
Subject: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

State of California

Memorandum



Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

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To: 'Dahlgren, Joan'
Sent: 1/9/2014 4:20:05 PM
Subject: RE: Mtg_confirmation_form_for_Citigroup_Mtg_request_dated_10_22_13--TIME CHANGE FOR JANUARY 15, 2014

Sounds good, thank you!

Sophie Karp | Senior Associate
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State of California

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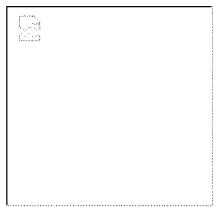

Date: October 31, 2013

To: Sophie Karp, Citigroup

From: **Joan Dahlgren**
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Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 10/22/13—REVISED December 2, 2013**

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From: Banks, Juliane
To: sophie.karp@citi.com
Sent: 1/13/2014 10:10:29 AM
Subject: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Sophie,

Regrettably, I just had to cancel Wednesday's meeting due to an unexpected urgent matter that has come up. My sincere apologies for the last minute notice, but unfortunately it couldn't be avoided. I also left you a voice mail message.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Karp, Sophie
To: 'Banks, Juliane'
CC: Pourreza, Shahriar
Sent: 1/13/2014 12:14:13 PM
Subject: RE: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Juliane,

I just got your email and wanted to touch base to see if we could do anything with the schedule to avoid the cancelation? We are already jn San Francisco with our group (so I don't have access to my voicemail at the moment) and our clients have already made costly arrangements in anticipation of this meeting, so i can imagine it would be very disappointing. i just tried calling you just now - but missed you. I can be reached at my cell 347 267 5990

Regards,

Sophie

-----Original Message-----
From: Banks, Juliane [juliane.banks@cpuc.ca.gov]
Sent: Monday, January 13, 2014 01:10 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: Cancellation of 1/15 Mtg w/Comr. Ferron

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From:	Colvin, Michael on behalf of Banks, Juliane
To:	Hook, Charlyn A.; sophie.karp@citi.com
Sent:	1/14/2014 10:01:39 AM
Subject:	Citigroup "Energy Investors" Mtg.
Attachments:	Attachment1

BNK 1/14/14

Contact: Sophie Karp **347-267-5990 cell**

Attendees:

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
Franklin Resources Inc. - John Kohli, Blair Schmicker

1. Person (and company) requesting meeting:
Sharhriar Pourreza, Faisel Khan, Citigroup

Today's Date:
10/22/2013

2. Reason for meeting (subject, topic, issues):
Meeting with utilities and energy investors and sell-side analysts Shahriar Pourreza (NA Power and Renewables) and Faisel Khan (Pipelines, Integrated Oil and Gas)

3. Docket or Proceeding # (if applicable) and case name:

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): We're requesting a meeting with all Commissioners (Florio, Sandoval, Ferron, Peterman and President Peevey) and we would like to have all those meetings coordinated back-to-back on the same day. We're tentatively planning our visit to CA between 1/13/2014 and 1/15/2014, but those dates are flexible and we can work around Commissioners' schedules.

In Person **By phone**

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy** **Telecom** **Transportation** **Water** **General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No
7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding: **N/A**

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Shahriar (Shar) Pourreza, CFA	Vice President, Head of North American Power / Global Alt. Energy	Citigroup
Faisel Khan	Director, Integrated Oil & Gas Research	Citigroup
Sophie Karp	Senior Associate, North American Power/Alternative Energy	Citigroup
Ryan Levine	Senior Associate, North American Power/Alternative Energy	Citigroup
15-20 buy side investors, TBD		

10. List your contact information:

Contact name: Sophie Karp **E-mail: sophie.karp@citi.com**

Office phone: **212-816-3366** **Cell:** **347-267-5990** Fax No.:

Office use only:

FER CFT MC3 SMK CHH **Comments:** **Confirmed date:** **Confirmed time:**

Name: Attachment1

From: Banks, Juliane
To: Karp, Sophie
CC: Pourreza, Shahriar
Sent: 1/14/2014 10:04:54 AM
Subject: The mtg has been rescheduled for 1/15 at 11:30am w/Ferron's advisors

Hi Sophie,

I wanted to confirm that I have rescheduled the meeting for tomorrow from 11:30am-Noon with Comr. Ferron's advisors, Michael Colvin and Charlyn Hook. The meeting will take place in room 5305.

Thanks,

Juliane
415-703-2284

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 13, 2014 12:14 PM
To: Banks, Juliane
Cc: Pourreza, Shahriar
Subject: RE: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Juliane,

I just got your email and wanted to touch base to see if we could do anything with the schedule to avoid the cancelation? We are already jn San Francisco with our group (so I don't have access to my voicemail at the moment) and our clients have already made costly arrangements in anticipation of this meeting, so i can imagine it would be very disappointing. i just tried calling you just now - but missed you. I can be reached at my cell 347 267 5990

Regards,

Sophie

-----Original Message-----
From: Banks, Juliane [juliane.banks@cpuc.ca.gov]
Sent: Monday, January 13, 2014 01:10 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Sophie,

Regrettably, I just had to cancel Wednesday's meeting due to an unexpected urgent matter that has come up. My sincere apologies for the last minute notice, but unfortunately it couldn't be avoided. I also left you a voice mail message.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Pourreza, Shahriar
To: Banks, Juliane
Sent: 1/14/2014 10:06:05 AM
Subject: Automatic reply: The mtg has been rescheduled for 1/15 at 11:30am w/Ferron's advisors

I will be out of the office from Monday 1/13 through Friday 1/17 traveling on business. I will be checking emails frequently. For administrative related issues, please contact Judy Collazo at 212-816-2760. For all other items, please contact my associates Ryan Levine (212-816-6555), Sophie Karp (212-816-3366) or Mark Rudovic (716-730-6666).

Shahriar (Shar) Pourreza, CFA
Head of North American Power
Global Alt Energy
Citigroup Global Markets
(o) 212 816 7903
(c) 973 632 6304
(f) 212 816 6227
shahriar.pourreza@citi.com

For important disclosures regarding Citi Investment Research & Analysis ("CIRA"), including with respect to any issuers mentioned herein, please refer to the CIRA disclosure website at https://www.citigroupgeo.com/geopublic/Disclosures/disclosure.html.
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From: Pourreza, Shahriar
To: 'juliane.banks@cpuc.ca.gov'; Karp, Sophie
Sent: 1/14/2014 10:40:07 AM
Subject: Re: The mtg has been rescheduled for 1/15 at 11:30am w/Ferron's advisors

Thank you for accommodating Juliane. We have a lot of investors that have signed up to come to see CPUC. So we appreciate it

Shahriar (Shar) Pourreza, CFA
Head of North American Power
Global Alt. Energy
Citigroup Global Markets
(o) 212 816 7903
(c) 973 632 6304
(f) 212 816 6227
shahriar.pourreza@citi.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, January 14, 2014 10:04 AM
To: Karp, Sophie [ICG-RSCH]
Cc: Pourreza, Shahriar [ICG-RSCH]
Subject: The mtg has been rescheduled for 1/15 at 11:30am w/Ferron's advisors

Hi Sophie,

I wanted to confirm that I have rescheduled the meeting for tomorrow from 11:30am-Noon with Comr. Ferron's advisors, Michael Colvin and Charlyn Hook. The meeting will take place in room 5305.

Thanks,

Juliane
415-703-2284

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 13, 2014 12:14 PM
To: Banks, Juliane
Cc: Pourreza, Shahriar
Subject: RE: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Juliane,

I just got your email and wanted to touch base to see if we could do anything with the schedule to avoid the cancelation? We are already jn San Francisco with our group (so I don't have access to my voicemail at the moment) and our clients have already made costly arrangements in anticipation of this meeting, so i can imagine it would be very disappointing. i just tried calling you just now - but missed you. I can be reached at my cell 347 267 5990

Regards,

Sophie

-----Original Message-----
From: Banks, Juliane [juliane.banks@cpuc.ca.gov]
Sent: Monday, January 13, 2014 01:10 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Sophie,

Regrettably, I just had to cancel Wednesday's meeting due to an unexpected urgent matter that has come up. My sincere apologies for the last minute notice, but unfortunately it couldn't be avoided. I also left you a voice mail message.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Karp, Sophie
To: 'Lo, Doris'
Sent: 1/15/2014 6:42:33 AM
Subject: RE: Meeting Request on Citi

Hi Doris,

Due to some last-minute changes in the commission schedule that affected our meetings, we would have to have a 30 minute meeting with Ed instead of 1 hour (2:30-3pm).
I apologize for the late notice. We look forward to seeing him today.

Regards,

Sophie

-----Original Message-----
From: Lo, Doris [doris.lo@cpuc.ca.gov]
Sent: Monday, January 06, 2014 06:36 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

Yes, the meeting on Citi is still scheduled for January 15th at 2:30 p.m. to 3:30 p.m.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 06, 2014 2:26 PM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Hi Doris,

Hope all is well – I wanted to touch base to confirm the meeting next week. Please let me know if there's been any change in Mr. Randolph's availability (we can start as early as 2pm).

Also, below please find the list of attendees from our side:

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*

Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
York Capital - *Jeff Rosenbaum*

Best regards,

Sophie.

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 7:59 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

Ed is only available at 2:30 p.m. to 3:30 p.m.

Doris

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 4:39 PM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Doris,

The total head count will be approximately 15 people. We will be able to provide the full list of attendees closer to the date.

Thank you,

Sophie

-----Original Message-----
From: Lo, Doris [doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 07:19 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

Can you tell me how many people will be joining the meeting?

Thanks,

Doris lo

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:53 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Thank you Doris. Is there any chance that could be moved to 2:00-3pm time slot?

Thank you,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Tuesday, December 17, 2013 1:45 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting Request on Citi

Hi Sophie,

The Citi Meeting is scheduled on January 15, 2014 at 2:30 p.m. to 3:30 p.m.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 17, 2013 10:38 AM
To: Lo, Doris
Subject: RE: Meeting Request on Citi

Hi Doris,

I wanted to follow up to confirm scheduling of this meeting.

Also, below are bios of Citi's analysts who would be attending, Shar Pourreza and Faisel Khan. We also expect to bring a group of approximately 12 investors – we expect to finalize the list in the next couple of weeks.

Best regards,

Sophie

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole

in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Lo, Doris [mailto:doris.lo@cpuc.ca.gov]
Sent: Friday, December 13, 2013 12:58 PM
To: Karp, Sophie [ICG-RSCH]
Subject: Meeting Request on Citi

Hi Sophie,

Ed has availability on January 15th in the afternoon at 2:00 p.m. to 3:00 p.m.

Please let me know if the date and time works for everyone.

Doris Lo
Executive Secretary
Energy Division
(415) 703-1974

From: Karp, Sophie
To: 'Banks, Juliane'
Sent: 1/15/2014 11:21:30 AM
Subject: RE: The mtg has been rescheduled for 1/15 at 11:30am w/Ferron's advisors

Hi Juliane,

Just wanted to let you know that we wrapped up our 10am meeting and our group is in room 5305 ready to meet with Mr. Colvin

Regards,
Sophie

-----Original Message-----
From: Banks, Juliane [juliane.banks@cpuc.ca.gov]
Sent: Tuesday, January 14, 2014 01:06 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Cc: Pourreza, Shahriar [ICG-RSCH]
Subject: The mtg has been rescheduled for 1/15 at 11:30am w/Ferron's advisors

Hi Sophie,

I wanted to confirm that I have rescheduled the meeting for tomorrow from 11:30am-Noon with Comr. Ferron's advisors, Michael Colvin and Charlyn Hook. The meeting will take place in room 5305.

Thanks,

Juliane
415-703-2284

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 13, 2014 12:14 PM
To: Banks, Juliane
Cc: Pourreza, Shahriar
Subject: RE: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Juliane,

I just got your email and wanted to touch base to see if we could do anything with the schedule to avoid the cancelation? We are already jn San Francisco with our group (so I don't have access to my voicemail at the moment) and our clients have already made costly arrangements in anticipation of this meeting, so i can imagine it would be very disappointing. i just tried calling you just now - but missed you. I can be reached at my cell 347 267 5990

Regards,

Sophie

-----Original Message-----

From: Banks, Juliane [juliane.banks@cpuc.ca.gov]
Sent: Monday, January 13, 2014 01:10 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: Cancellation of 1/15 Mtg w/Comr. Ferron

Hi Sophie,

Regrettably, I just had to cancel Wednesday's meeting due to an unexpected urgent matter that has come up. My sincere apologies for the last minute notice, but unfortunately it couldn't be avoided. I also left you a voice mail message.

Thanks,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 1/15/2014 11:26:09 AM
Subject: RE: Meeting with Citi Jan 15 - Attendees

Cheryl,

Which room is this meeting scheduled in? We're in room 5305 for our morning meeting, but I don't see this meeting on the schedule for the same room.

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Monday, January 06, 2014 6:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thanks, Sophie. Yes, we're still on.

Attending for ORA will be…

Joe Como, Acting Director
Linda Serizawa, Deputy Director Energy
Mark Pocta, Program Manager – Energy Cost of Service (Rate Cases & Natural Gas)
Truman Burns, Supervisor – Rate Cases & SONGS closure issue
Nat Skinner, Supervisor – Natural Gas
Mike Campbell, Program Manager – Customer Rates and Programs (e.g., Energy Efficiency, Demand Response)

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 06, 2014 2:59 PM
To: Cox, Cheryl
Subject: Meeting with Citi Jan 15 - Attendees

Hi Cheryl,

I wanted to follow up to confirm our meeting next week on 15th and to provide you with the list of attendees (see below). Please let me know if there's been any changes in availability on your side. Also, if you could provide me with the list of attendees from the ORA I would appreciate it.

Best regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup

Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
York Capital - *Jeff Rosenbaum*

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Friday, December 13, 2013 6:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Thanks, Sophie. I'll schedule this time and let everyone know about issue approach.

How many people will you be bringing with you?

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, December 13, 2013 12:48 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Hi Cheryl,

Thank you for looking into this, much appreciated. Could we do 3pm – 4pm? With respect to what we'd like to discuss, we usually like to let our clients drive the conversation, however we can anticipate what they're interested in and what they'd be asking. I believe that pipeline safety and rate reform are going to be the most interesting topics for our clients to discuss.

Best regards,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Thursday, December 12, 2013 7:15 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie - So, I was checking with the group simultaneously and it looks like they currently have the 1-4pm timeframe on Jan 15 open. So, just let me know what time you would prefer, and I'll make sure it gets on everyone's calendars.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 2:21 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Cheryl,

Here's some high level topics of discussion that would be of interest to our clients. Thank you,

Sophie

1. State renewable mandate, its impact on the grid and utilities
2. Impact of DG, rate reform and AB 327 implementation
3. Views on carbon market developments in CA
4. Impact of evolving EPA regulation (carbon, rule 360 b, etc.)
5. Future of nuclear generation in the state
6. Pipeline safety measures across utilities
7. Rising interest rates impact on CoC and rate payers
8. Rising cost of capital impact on investment in infrastructure
9. Discussion of electric and gas rate setting mechanisms in CA

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, December 11, 2013 2:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

I've heard there is interest. Can you give me a list of issues that you are interested in discussing so that I can see if the right experts are available at those times – and that would also help us to be prepared. Thanks.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, December 11, 2013 11:28 AM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Thank you Cheryl, I appreciate it. We currently have 1pm – 4pm availability window. I look forward to hearing from you.

Sophie

Sophie Karp | Senior Associate

North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 12:52 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie – Thanks for your interest in meeting with ORA. Let me check in with our Executive team and staff on availability, and one of us will get back to you.

Cheryl

Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
www.ora.ca.gov
Follow ORA on Facebook
Follow ORA on Twitter

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Tuesday, December 10, 2013 9:34 AM
To: Cox, Cheryl
Subject: Following up - meeting with Citi

Dear Cheryl,

I hope this email finds you well. I left you a voice mail earlier today and wanted to follow up in the email.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

We would love to meet with the ORA representatives as there's very high demand from our clients to hear from consumer advocates on various issues. We would greatly appreciate if some members of the ORA Staff would be able to meet with our group for about 30 minutes. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy

Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl
To: Karp, Sophie
Sent: 1/15/2014 11:29:58 AM
Subject: RE: Meeting with Citi Jan 15 - Attendees

It's in 4200.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 15, 2014 11:26 AM
To: Cox, Cheryl
Subject: RE: Meeting with Citi Jan 15 - Attendees

Cheryl,

Which room is this meeting scheduled in? We're in room 5305 for our morning meeting, but I don't see this meeting on the schedule for the same room.

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Monday, January 06, 2014 6:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thanks, Sophie. Yes, we're still on.

Attending for ORA will be...

Joe Como, Acting Director
Linda Serizawa, Deputy Director Energy
Mark Pocta, Program Manager – Energy Cost of Service (Rate Cases & Natural Gas)
Truman Burns, Supervisor – Rate Cases & SONGS closure issue
Nat Skinner, Supervisor – Natural Gas
Mike Campbell, Program Manager – Customer Rates and Programs (e.g., Energy Efficiency, Demand Response)

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 06, 2014 2:59 PM
To: Cox, Cheryl
Subject: Meeting with Citi Jan 15 - Attendees

Hi Cheryl,

I wanted to follow up to confirm our meeting next week on 15th and to provide you with the list of attendees (see below). Please let me know if there's been any changes in availability on your side. Also, if you could provide me with the list of attendees from the ORA I would appreciate it.

Best regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
Luminus Management LLC - *James Heckler*
Millennium Partners - *Andy Levi, Chris Shelton*
Neuberger & Berman - *Yves Siegel*
Surveyor Capital Ltd - *Graham Melanson*
Talon Capital - *Matt Fallon*
York Capital - *Jeff Rosenbaum*

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Friday, December 13, 2013 6:36 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Thanks, Sophie. I'll schedule this time and let everyone know about issue approach.

How many people will you be bringing with you?

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Friday, December 13, 2013 12:48 PM
To: Cox, Cheryl
Subject: RE: Following up - meeting with Citi

Hi Cheryl,

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Best regards,

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Hi Sophie - So, I was checking with the group simultaneously and it looks like they currently have the 1-4pm timeframe on Jan 15 open. So, just let me know what time you would prefer, and I'll make sure it gets on everyone's calendars.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
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From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Tuesday, December 10, 2013 12:52 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Following up - meeting with Citi

Hi Sophie – Thanks for your interest in meeting with ORA. Let me check in with our Executive team and staff on availability, and one of us will get back to you.

Cheryl

Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
www.ora.ca.gov
Follow ORA on Facebook
Follow ORA on Twitter

newbannerFINAL3_rgb_xtra smal Email

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able to meet with our group for about 30 minutes. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

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sophie.karp@citi.com

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 1/15/2014 11:32:07 AM
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thank you.

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Which room is this meeting scheduled in? We're in room 5305 for our morning meeting, but I don't see this meeting on the schedule for the same room.

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Linda Serizawa, Deputy Director Energy
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Best regards,

Sophie

Shar Pourreza – Citigroup
Faisel Khan – Citigroup
Sophie Karp – Citigroup
Blake Clayton - Citigroup
Cambiar Investors LLC - *Colin Dunn*
Columbia Management Advisors - *Larry Alberts*
Decade Capital Management LLC - *Reza Hatefi*
Green Arrow Capital - *Tom O'Neill*
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Cheryl Cox
Policy Advisor
ORA – Office of Ratepayer Advocates
415.703.2495
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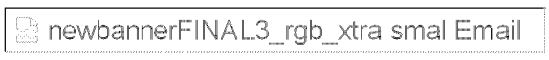
Follow ORA on Facebook
Follow ORA on Twitter



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Best regards,

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Office 212-816-3366;
sophie.karp@citi.com

From: Randolph, Edward F. on behalf of Lo, Doris
To: Walker, Cynthia; 'sopie.karp@citi.com'
Sent: 1/15/2014 11:44:40 AM
Subject: Meeting with Citi
Attachments: Attachment1

Hi Doris,

I wanted to follow up to confirm scheduling of this meeting.

Also, below are bios of Citi's analysts who would be attending, Shar Pourreza and Faisel Khan. We also expect to bring a group of approximately 12 investors – we expect to finalize the list in the next couple of weeks.

Best regards,

Sophie

Shahriar (Shar) Pourreza, CFA - Head of North American Power and lead analyst on the Global Alternative Energy team. He joined Citi in 2009 as a Senior Associate on the Electric Utilities team. He has more than ten years of experience in equity markets (Sell and Buy Side) with a primary focus on energy/commodities. Shar's career started at Merrill Lynch Asset Management in 1999. In the early years, his focus was mainly on global equities and EAFE (Europe, Asia, Far East). His career on the Buy Side concluded at GE Asset Management. Shar joined Credit Agricole in 2007, helping to cover the energy space. Shar is a CFA Charterholder and also holds Series 7, 63, and 87 licenses. He is an active member of the New York Society of Security Analysts and CFA Institute. He holds a BS degree from the University of Scranton in Business and Operations Management Science.

Faisel Khan is a Managing Director at Citi Research, covering the North American Integrated Oil, Refining and Pipeline industries. Faisel was ranked No. 1 for 2011 and No. 2 for 2012, 2010, 2008 and 2007 in the Institutional Investor Survey in the Natural Gas sector. He received First Place in the 2012 Greenwich Associate Polls. He was the No. 1 stock picker for Multi-Utilities according to the Financial Times in 2010. Prior to joining the firm in February 2005, he worked for six years at Credit Suisse First Boston, first in investment banking and later as an equity research analyst following the Integrated Pipeline and Gas Distribution industries. Faisel graduated from the University of Pennsylvania, receiving a BS in Engineering and a BA in Economics, with minors in Mathematics and Actuarial Mathematics. He is a CFA Charterholder. Faisel is also on the International Advisory Council for the International Crisis Group.

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Dear Edward,

I hope this email finds you well.

I am a Senior Associate on the equity research team at Citigroup that covers Utilities. We are bringing a group of our clients (investors) and Citi's analysts to San Francisco on January 15, 2014 to meet with CPUC and rate payers advocates. We currently have meetings scheduled with Commissioners Peterman, Ferron, President Peevey and Commissioner Florio's advisors.

We would love to meet with the Energy Division representatives as well to give our clients an opportunity to hear from all stakeholders and have a better understanding of how the Commission makes its determinations. We would greatly appreciate if you or some members of your staff would be able to meet with our group. Please let me know if it would be possible and what would be the best way to proceed.

Best regards,

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Name: Attachment1

From: Karp, Sophie
To: 'cheryl.cox@cpuc.ca.gov'
Sent: 1/15/2014 2:18:18 PM
Subject: Citi meeting room number

Hi Cheryl,

Sorry to bother you, could you confirm the room number again for Citigroup meeting at 2:30? I have it as 7363.

Thank you,

Sophie

From: Cox, Cheryl
To: sophie.karp@citi.com
Sent: 1/15/2014 2:28:51 PM
Subject: RE: Citi meeting room number

The meeting is at 3pm, not 2:30 in room 4200. As I mentioned in an earlier email, there is a SONGS All Party meeting today and we would not be able to do a different time. So let me know if there is a problem.

From my Android phone on T-Mobile. The first nationwide 4G network.

-------- Original message --------
From: "Karp, Sophie" <sophie.karp@citi.com>
Date: 01/15/2014 2:19 PM (GMT-08:00)
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Subject: Citi meeting room number

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From: Cox, Cheryl
To: sophie.karp@citi.com
Sent: 1/15/2014 2:30:42 PM
Subject: Fwd: Meeting with Citi Jan 15 - Attendees
Attachments: image001.jpg

Per this email, thought you had room number. ..

From my Android phone on T-Mobile. The first nationwide 4G network.

-------- Original message --------
From: "Karp, Sophie" <sophie.karp@citi.com>
Date: 01/15/2014 11:32 AM (GMT-08:00)
To: "Cox, Cheryl" <cheryl.cox@cpuc.ca.gov>
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thank you.

-----Original Message-----
From: Cox, Cheryl [cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, January 15, 2014 02:30 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting with Citi Jan 15 - Attendees

It's in 4200.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
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From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Monday, January 06, 2014 6:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thanks, Sophie. Yes, we're still on.

Attending for ORA will be…

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Linda Serizawa, Deputy Director Energy

Mark Pocta, Program Manager – Energy Cost of Service (Rate Cases & Natural Gas)

Truman Burns, Supervisor – Rate Cases & SONGS closure issue

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ORA

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 1/15/2014 2:37:31 PM
Subject: RE: Citi meeting room number

Yes, sorry I misspoke in the email. Which building is it in? I understand there is 2 building?

-----Original Message-----
From: Cox, Cheryl [cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, January 15, 2014 05:29 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Citi meeting room number

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From: Cox, Cheryl
To: sophie.karp@citi.com
Sent: 1/15/2014 2:39:44 PM
Subject: RE: Citi meeting room number

The meeting with ORA is in the main building at 505 Van Ness, 4th floor.

From my Android phone on T-Mobile. The first nationwide 4G network.

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From: "Karp, Sophie" <sophie.karp@citi.com>
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Subject: RE: Fwd: Meeting with Citi Jan 15 - Attendees

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Since we are coming from a different building we will be about 15 minutes late - apologies about it.

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From: Cox, Cheryl [cheryl.cox@cpuc.ca.gov]
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Sent: 1/15/2014 2:58:59 PM
Subject: RE: Fwd: Meeting with Citi Jan 15 - Attendees

If you need assistance getting upstairs from the lobby, please have security call my assistant, Charmian Desales, and she will escort you.

From my Android phone on T-Mobile. The first nationwide 4G network.

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From: "Karp, Sophie" <sophie.karp@citi.com>
Date: 01/15/2014 2:44 PM (GMT-08:00)
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-------- Original message --------
From: "Karp, Sophie" <sophie.karp@citi.com>
Date: 01/15/2014 11:32 AM (GMT-08:00)
To: "Cox, Cheryl" <cheryl.cox@cpuc.ca.gov>
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thank you.

-----Original Message-----

From: Cox, Cheryl [cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, January 15, 2014 02:30 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting with Citi Jan 15 - Attendees

It's in 4200.

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Wednesday, January 15, 2014 11:26 AM
To: Cox, Cheryl
Subject: RE: Meeting with Citi Jan 15 - Attendees

Cheryl,

Which room is this meeting scheduled in? We're in room 5305 for our morning meeting, but I don't see this meeting on the schedule for the same room.

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Cox, Cheryl [mailto:cheryl.cox@cpuc.ca.gov]
Sent: Monday, January 06, 2014 6:07 PM
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thanks, Sophie. Yes, we're still on.

Attending for ORA will be…

Joe Como, Acting Director

Linda Serizawa, Deputy Director Energy

Mark Pocta, Program Manager – Energy Cost of Service (Rate Cases & Natural Gas)

Truman Burns, Supervisor – Rate Cases & SONGS closure issue

Nat Skinner, Supervisor – Natural Gas

Mike Campbell, Program Manager – Customer Rates and Programs (e.g., Energy Efficiency, Demand Response)

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Monday, January 06, 2014 2:59 PM
To: Cox, Cheryl
Subject: Meeting with Citi Jan 15 - Attendees

Hi Cheryl,

I wanted to follow up to confirm our meeting next week on 15th and to provide you with the list of attendees (see below). Please let me know if there's been any changes in availability o

From: Karp, Sophie
To: 'Cox, Cheryl'
Sent: 1/15/2014 3:13:41 PM
Subject: RE: Fwd: Meeting with Citi Jan 15 - Attendees

Will do, thank you!

-----Original Message-----
From: Cox, Cheryl [cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, January 15, 2014 06:11 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: RE: Fwd: Meeting with Citi Jan 15 - Attendees

If you need assistance getting upstairs from the lobby, please have security call my assistant, Charmian Desales, and she will escort you.

From my Android phone on T-Mobile. The first nationwide 4G network.

-------- Original message --------
From: "Karp, Sophie" <sophie.karp@citi.com>
Date: 01/15/2014 2:44 PM (GMT-08:00)
To: "Cox, Cheryl" <cheryl.cox@cpuc.ca.gov>
Subject: RE: Fwd: Meeting with Citi Jan 15 - Attendees

Cheryl,

Since we are coming from a different building we will be about 15 minutes late - apologies about it.

Sophie

-----Original Message-----
From: Cox, Cheryl [cheryl.cox@cpuc.ca.gov]
Sent: Wednesday, January 15, 2014 05:30 PM Eastern Standard Time
To: Karp, Sophie [ICG-RSCH]
Subject: Fwd: Meeting with Citi Jan 15 - Attendees

Per this email, thought you had room number. ..

From my Android phone on T-Mobile. The first nationwide 4G network.

-------- Original message --------
From: "Karp, Sophie" <sophie.karp@citi.com>

Date: 01/15/2014 11:32 AM (GMT-08:00)
To: "Cox, Cheryl" <cheryl.cox@cpuc.ca.gov>
Subject: RE: Meeting with Citi Jan 15 - Attendees

Thank you.

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Sophie

Sophie Karp | Senior Associate
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Citi Research; U.S. Equities
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Office 212-816-3366;
sophie.karp@citi.com

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Linda Serizawa, Deputy Director Energy

Mark Pocta, Program Manager – Energy Cost of Service (Rate Cases & Natural Gas)

Truman Burns, Supervisor – Rate Cases & SONGS closure issue

Nat Skinner, Supervisor – Natural Gas

Mike Campbell, Program Manager – Customer Rates and Programs (e.g., Energy Efficiency, Demand Response)

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Sent: Monday, January 06, 2014 2:59 PM
To: Cox, Cheryl
Subject: Meeting with Citi Jan 15 - Attendees

Hi Cheryl,

I wanted to follow up to confirm our meeting next week on 15th and to provide you with the list of attendees (see below). Please let me know if there's been any changes in availability o

From:	Clanon, Paul on behalf of Madrigal, Anna-Marie
To:	Apgar, John A (john.a.apgar@citi.com); Madrigal, Anna-Marie
Sent:	1/16/2014 2:44:49 PM
Subject:	Meeting research team--BofA--John Apgar
Attachments:	Attachment1

Confirmed meeting with Paul Clanon.
Contact:

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Apgar, John - RSCH AMRS
Sent: Monday, January 06, 2014 12:38 PM
To: 'am3@cpuc.ca.gov'
Subject: Request for meeting on 3/25/14: Clanon

Good morning Anna Marie,

I work with Brian Chin on the equity research team at Bank of America. We are hosting an institutional investor tour through California the week of March 24th 2014 and will be in San Francisco visiting PG&E on March 25th in the afternoon. Is Executive Director Clanon available to meet with us in the morning on March 25th? It would be a group of approximately 15 equity analysts and institutional investors.

Regards,

John Apgar, CFA
Bank of America Merrill Lynch Research
One Bryant Park, 15th Fl
New York, NY 10036
(646) 855-3753
John.apgar@baml.com

Name: Attachment1

From:	Pourreza, Shahriar
To:	Pourreza, Shahriar
CC:	Lincifort, Rebecca ; Karp, Sophie ; Rudovic, Mark ; Levine, Ryan ; Hollins, Dan
Sent:	1/18/2014 10:41:10 AM
Subject:	Reminder: Citi Hosted NARUC/AGA Wall Street Visit | January 22 | New York, NY
Attachments:	Bios Commissioners.docx; Kantor with pic 2014.docx

Please submit requests to Citi Sales (10 spots) – For Citi clients only.

Description: Description: header

Industry Expert

Faisel Khan and Shar Pourreza are hosting a group meeting with utility commissioners during their annual visit to Wall Street.

AGA/NARUC Wall Street visit

Date/ Time: Wednesday, January 22, 2014, 10:00-11:30 AM

Location: Citi Center
399 Park Avenue, 2nd Floor
(Between 53rd-54th Streets)
New York, NY 10022

NARUC Participants:
William P. (Bill) Kenney, Commissioner, Missouri Public Service Commission
Bob Stump, Chairman, Arizona Corporation Commission
Swain E. Whitfield, Commissioner, South Carolina Public Service Commission

AGA Participants:
Gregg S. Kantor, AGA Chairman, President and CEO, NW Natural
Dave McCurdy, President and CEO
Gary Gardner, Vice President, Corporate Affairs & Corporate Secretary
Kyle Rogers, Vice President, Government Relations
Ashley Duckman, Manager, State Affairs

Managed by Rebecca Lincifort

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Shahriar (Shar) Pourreza, CFA
Head of North American Power
Global Alt Energy
Citigroup Global Markets
(o) 212 816 7903
(c) 973 632 6304
(f) 212 816 6227
shahriar.pourreza@citi.com

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Commissioner William P. (Bill) Kenney
Missouri Public Service Commission

Commissioner Bill Kenney was appointed to the Missouri Public Service Commission by Governor Jay Nixon on January 9, 2013. On January 24, 2013, he was confirmed by the Missouri Senate to a six-year term.

Commissioner Kenney was born in San Francisco, California and grew up in Southern California with his parents and eight siblings. He received an Associate of Arts Degree from Saddleback Junior College and attended Arizona State University prior to graduating from the University of Northern Colorado with a Bachelor's Degree in Business Management.

Commissioner Kenney was drafted as a quarterback in the National Football League by the Miami Dolphins in 1978. He went on to play professional football for 11 years, 10 with the Kansas City Chiefs. Among his many accomplishments were becoming the National Football League's fourth quarterback to ever throw for 4000 yards in a single season, Pro Bowl 1983 and Kansas City Chiefs Most Valuable Player in 1983.

Upon his retirement from football, Commissioner Kenney became a licensed real estate broker. He is president of Bill Kenney & Associates, a real estate brokerage and development company. He is also president of Bill Kenney Homes, a residential construction company.

Commissioner Kenney was elected to the Missouri Senate in 1994 and served the citizens of eastern Jackson County until 2002. In 2001, Commissioner Kenney was selected by Senate members to serve as the Majority Floor leader, the first Republican to hold this office in over 50 years. During a brief stint when neither party had an 18-seat majority, he became the first Republican in history to serve as co-floor leader.

In 1996, Commissioner Kenney was the Republican nominee for Lieutenant Governor. From January 2011 until accepting his current position, Commissioner Kenney was Chief of Staff for Missouri Lieutenant Governor Peter Kinder.

In August of 2013, Commissioner Kenny was appointed to the National Association of Regulatory Utility Commissioners Committee on Gas.

Commissioner Kenney is married to Sandra (Ehrlich) Kenney. They reside in Lee's Summit and have four adult children.

Chairman Bob Stump
Arizona Corporation Commission

Commissioner Bob Stump was elected to the Arizona Corporation Commission in 2008 and re-elected in 2012 with the second-highest vote tally of any Arizona Republican candidate. He represented District 9 in the Arizona House of Representatives from 2002-2008.

Bob serves on the Board of Directors of the National Association of Regulatory Commissioners (NARUC), is a member of the Harvard Electricity Policy Group, and is an Advisory Council member of the Center for Public Utilities. Bob has also served on the faculty of Law Seminars International. He is Chairman of the Board of Phoenix Opera and served on the board of the Symphony of the West Valley.

The Arizona Republic says Bob is "cerebral...a candidate with depth...energetic...intelligent, hard-working and effective...a quick study [and] a strong fiscal conservative."
The Tucson Citizen has called Bob "an innovator" who has "strong experience with public policymaking, wise perspectives on energy use [and] a commitment to pursuing fairness for Arizona residents."

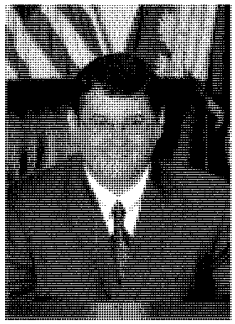
Bob was also deemed one of Arizona's three "Best State Representatives" by the Arizona Capitol Times, based on a survey of Arizona's government and civic leaders. He has received over a dozen awards in recognition of his efforts to improve Arizonans' health care and protect Arizona's taxpayers, including awards from the Alzheimer's Association, the Autism Society of America, and the March of Dimes.

Bob has a wide range of policy experience, having served as Chairman of the House Health Committee; Co-Chair of the Joint Select Committee to Investigate Operations and Conditions at the Arizona Veterans Home; Vice Chair of the Health and Rules committees; and as a member of Ways & Means, Commerce & Military Affairs, Water and Agriculture, Financial Institutions & Insurance, Education, the Interagency Council on Long-Term Care, the Interim Committee on Welfare Reform, and the House Ethics Committee.

Bob's policy proposals have made front-page news in USA Today and serve as model legislation for legislatures throughout the country. He has discussed key legislative initiatives on CNN; "Your World with Neil Cavuto," on the Fox News Channel; National Public Radio; as well as various national and international media. In 2006, Bob was a featured guest on C-SPAN's "Washington Journal" to discuss his policy ideas with a national audience.

Bob holds degrees from Harvard University, where he studied political philosophy with columnist George F. Will, and the University of California at Berkeley, where he studied philosophy and social thought, and from which he graduated with High Honors.

Commissioner Swain E. Whitfield
South Carolina Public Service Commission



Assumed Commissionership July 1, 2008
Current term ends June 30, 2016.

Education:
Attended Erskine College as a freshman 1981-82
University of Georgia – BA degree in Industrial Geography, 1986
Walk-on UGA football squad 1984-85
Phi Kappa Tau Fraternity
Regulatory Schools
NARUC Utility Rate School
Regulatory Studies Program, Institute of Public Utilities - Michigan State University

Professional Experience:
22 year veteran of the Transportation Industry.16 of those years as Founder and Owner of Whitfield Transportation, Inc., a transportation brokerage and trucking firm.Sold Whitfield Transportation, Inc. in July 2008 to devote full time service on the Public Service Commission of South Carolina.

Professional Associations:
SC Trucking Association (membership task force)
SC State Ports Authority - Transportation Advisory Committee (1991-1995)
SCForestry Association
Southeastern Lumber Manufacturers Association (SLMA)
Greater Columbia Traffic and Transportation Association – past President (1995)
SC State Chamber of Commerce
American Traffic Exchange (AMTEX)
Licensed SC Real Estate agent.

Government Experience:
Councilman, Town of Winnsboro, SC 1995-1999
Utilities over 80% of Municipal budget
SC Institute of Government for Municipal Elected Officials
SC Economic Developers' School
SC Association of Municipal Power Systems (SCAMPS)

Fairfield County Substance Abuse Board 1994-1997

Midlands Workforce Development Board 2000-2006

John de la Howe School Board of Trustees 2006-2008 (resigned from State Board to serve on the Public Service Commission of South Carolina)

Elected to Public Service Commission of South Carolina, May 21, 2008.

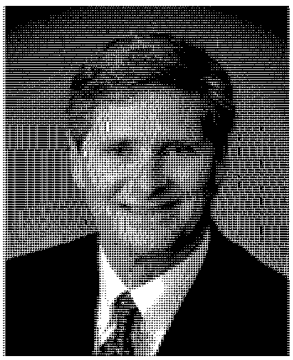
Member of SEARUC (Southeastern Association of Regulatory Utility Commissioners)

Member of NARUC (National Association of Regulatory Utility Commissioners)
Member, NARUC Committee on Gas
Member, NARUC Committee on Critical Infrastructure
Member, NARUC Pipeline Safety Task Force
Member, NARUC Washington Action Committee
Member, NARUC Subcommittee on Nuclear Issues-Waste Disposal

Other Civic Involvement:

Blackstock Young Farmers (President 2011-2013)
South Carolina Economic Developers Association (SCEDA)
Fairfield County Chamber of Commerce
Association of American Geographers

Personal:
Born in Columbia, SC, native of Winnsboro, SC
Wife – the former Amy Mills of White Oak, SC
Three children
Former lifelong member and Deacon, Sion Presbyterian Church, Winnsboro, SC
Elder, Centennial Associate Reformed Presbyterian Church
Enjoys spending time with family, boating, fishing and hunting.



Gregg Kantor has servedas President and Chief Executive Officer of NW Natural since January 1, 2009. He served as President and Chief Operating Officer of the company from May 2007 to December 2008 and as Executive Vice President from December 2006 to April 2007. He came to NW Natural in 1996, and before being promoted to Executive Vice President, served as Senior Vice President of Public and Regulatory Affairs, Vice President of Public Affairs and Communications andas Director of Public Affairs and Communications.

Prior to joining the Company, Mr. Kantor ran his own Portland-based public affairs firm, Kantor & Associates, which provided community, government and media relations services to a broad range of public and private sector clients. From 1991 to 1993, he worked for Portland General Electric as manager of community development, and from 1987 to 1991, served in the Oregon Governor's Office, as director of communications.

Mr. Kantor is a member of the Oregon Global Warming Commission, the Cradle to Career Council, the Oregon Business Council, the Portland Business Alliance and the American Gas Association, where he is currently Chairman of the Board. He is also currently chair of the Cradle to Career Council.He formerly served on the United Way of the Columbia-Willamette Board and as chair of its 2012 campaign, the Portland Schools Foundation, 1000 Friends of Oregon, the Chinese Garden Trust and the Leaders Roundtable. Mr. Kantor earned a Bachelor of Arts in Geography and Environmental Studies from the University of California at Santa Barbara and a Masters of Urban Planning from the University of Oregon.

From: Karp, Sophie
To: 'efr@cpuc.ca.gov'
Sent: 1/23/2014 3:43:28 PM
Subject: Citi Meeting - Following Up

Ed,

It was a pleasure to meet you last week in San Francisco. Thank you very much for taking the time to meet with our group. We received overwhelmingly positive feedback from our clients and it was very helpful. We greatly appreciate your time!

I have a quick follow up question. Do you know how does Cal ISO is factoring in draught conditions in CA into their reliability forecast for 2014? I am trying to find any publication that speaks about that or the assumptions they've been using.

Thank you,

Sophie

Sophie Karp | Senior Associate
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From:	Randolph, Edward F.
To:	Karp, Sophie
Sent:	1/23/2014 3:51:23 PM
Subject:	RE: Citi Meeting - Following Up

You would need to talk to them about that.

Edward Randolph | Phone: 415-703-2083 | Cell: 916-601-9635

From: Karp, Sophie [mailto:sophie.karp@citi.com]
Sent: Thursday, January 23, 2014 3:43 PM
To: Randolph, Edward F.
Subject: Citi Meeting - Following Up

Ed,

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Sophie

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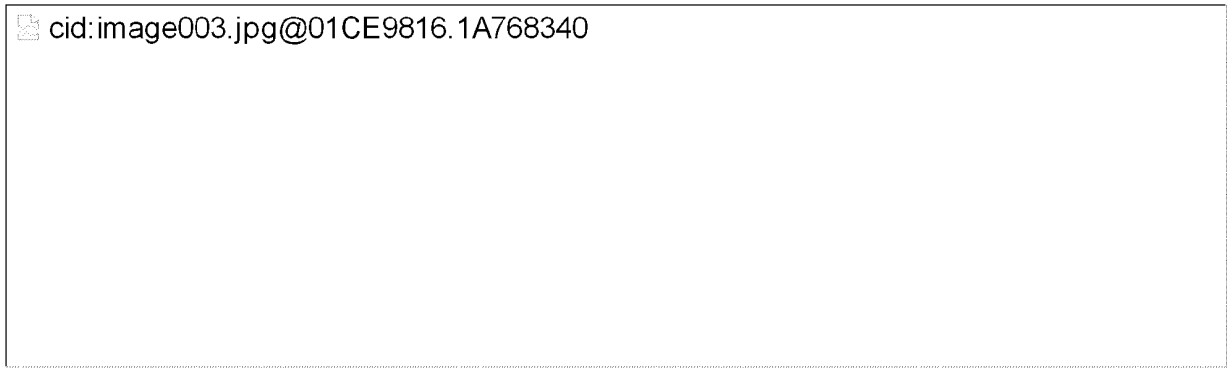
North American Power / Global Alternative Energy
Citi Research; U.S. Equities
388 Greenwich Street, New York, NY 10013-2375

Office 212-816-3366;
sophie.karp@citi.com

From: Pourreza, Shahriar
To: Pourreza, Shahriar
Sent: 2/21/2014 7:41:45 AM
Subject: REGISTRATION OPEN | 2014 Global Energy and Utilities Conference | May 12 - 15 | Boston, MA



Citi invites you to participate in the

2014 Global Energy and Utilities Conference

Tuesday May 13 to Thursday May 15, 2014

Hyatt Regency
1 Ave De Lafayette
Boston, Massachusetts

Please click here to register

As of February 14, 2014 we have 63 companies confirmed or tentatively confirmed to attend.
We will continue to update this list. Please look out for 1x1 requests to open in mid-March.

Confirmed Companies:

Afren Plc
Africa Oil Corp.
Alon USA Energy Inc
American Electric Power
American Water Works Company
Athlon Energy
BP PLC
C&J Energy Services
Cenovus Energy Inc.
Centerpoint Energy
Chesapeake Energy Corporation
ConocoPhillips
Consolidated Edison
CVR Energy Inc
Dominion Resources
DTE Energy
Duke Energy
Newfield Exploration Co.
NextEra
Noble Corporation
Noble Energy Inc
Northeast Power & Gas
NRG Energy
NRG Yield Inc
ONE Gas
ONEOK, Inc.
Pacific Gas
Pepco Holdings
Phillips 66
Pinnacle West
Pioneer Natural Resources
PPL Corporation
Public Service Enterprise Group
Range Resources Corp

Dynegy
EOG Resources
Essar Energy
Forum Energy
Frank's International
Gazprom
Genel Energy
Great Plains Energy
Halliburton
Lundin Petroleum
Nabors Industries
Southern Company
Statoil
Suncor Energy
Sunedison Inc
SunPower Corporation
Technip
Tesoro
Total SA
Valero Energy Corporation
Vantage Drilling

Tentatively Confirmed Companies:
FMC Technologies
Occidental Petroleum Group
Petrobras
Subsea 7
Tenaris S.A.

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Description: Description: Description: Description:

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Shahriar (Shar) Pourreza, CFA
Head of North American Power
Global Alt Energy
Citigroup Global Markets
(o) 212 816 7903
(c) 973 632 6304
(f) 212 816 6227
shahriar.pourreza@citi.com

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From: Adam Bergman
To: Grueneich, Dian; mark ferron; mark
Sent: 4/21/2011 8:20:14 AM
Subject: Re: Introducing you to each other

Dian,

Thanks for the introduction and I look forward to grabbing lunch next Tuesday.

Mark,

It is very nice to meet you by email. As a bit of background, I lead the Deutsche Bank renewable energy effort in North America and have been covering the sector since 2004. I would greatly appreciate the opportunity to meet and compare notes on the CleanTech sector. Please let me know if you have any time to meet during the weeks of April 25th or May 2nd.

I look forward to meeting you in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: "Grueneich, Dian" [dgrueneich@mofo.com]
Sent: 04/21/2011 06:55 AM MST
To: mark.ferron@cpuc.ca.gov; mark@theferrons.com; Adam Bergman
Subject: Introducing you to each other

Mark,

I hope all is well.

Adam, who is the Director of Clean Tech Investment Banking for Deutsche Bank Securities here in San Francisco, asked that I introduce you to him, given your background at Deutsche Bank overseas.

Adam - As you know, Mark is the new CPUC Commissioner. He brings a great background to the Commission, particularly in thinking about the financial implications of what the CPUC does and extensive management experience as well.

Regards,
Dian

Dian Grueneich
Morrison & Foerster LLP

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From: Adam Bergman
To: Juliane Banks
Sent: 4/25/2011 5:55:33 PM
Subject: Re: Introducing you to each other

Juliane,

Please let me know what times work for Mark on May 5th to meet.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
(415) 617-3374
adam.bergman@db.com

Mark Ferron <mark@theferrons.com>

04/23/2011 05:54 PM

To Adam Bergman/db/dbcom@DBAMERICAS
cc Juliane Banks <juliane.banks@cpuc.ca.gov>
Subject Re: Introducing you to each other

Hi Adam,

I'd be happy to meet up, although I will be out of town on the April 25th. My assistant, Juliane Banks, can try to find a time which is mutually convenient on May 5th.

Regards

Mark

p.s., I spent 15 years at DB myself, though all of it was in London...

On Apr 21, 2011, at 8:20 AM, Adam Bergman wrote:

Dian,

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101 California Street, 48th Floor
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Work: (415) 617-3374
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Sent: 04/21/2011 06:55 AM MST
To: mark.ferron@cpuc.ca.gov; mark@theferrons.com; Adam Bergman
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Dian

Dian Grueneich
Morrison & Foerster LLP

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From:	Tanja Dobberstein
To:	mark.ferron@cpuc.ca.gov
CC:	juliane.banks@cpuc.ca.gov; Anne Francis
Sent:	4/26/2011 2:44:58 AM
Subject:	Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group
Attachments:	Attachment1; Attachment2

Dear Mr. Ferron,

Anshu Jain's office was kind enough to provide me with your new contact details in your position as Commissioner to the CPUC. Mr. Koch-Weser, Vice Chairman of Deutsche Bank Group and Chair of our Climate Change Advisory Board, will be in San Francisco on May 17 and 18 and would be delighted to meet with you.

Could you kindly let me know if a meeting on either May 17th in the afternoon or May 18th in the morning would be possible?

Many thanks and kind regards
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

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Passion to Perform

From: Banks, Juliane
To: 'Tanja Dobberstein'
CC: Anne Francis
Sent: 4/26/2011 9:20:55 AM
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Tanja,

Commissioner Ferron would be happy to meet with Mr. Koch-Weser. His current availability is as follows:

May 17: 3pm – 5pm
May 18th: 11am – noon; 1pm – 2pm; 4pm – 5pm

Please let me know which date and time frame works best for Mr. Koch-Weser's schedule.

Thank you,

Juliane

Juliane Banks

Assistant to Commissioner Mark Ferron

California Public Utilities Commission

Office: 415-703-2444

Direct: 415-703-2284

bnk@cpuc.ca.gov

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Dear Mr. Ferron,

Anshu Jain's office was kind enough to provide me with your new contact details in your position as Commissioner to the CPUC. Mr. Koch-Weser, Vice Chairman of Deutsche Bank Group and Chair of our Climate Change Advisory Board, will be in San Francisco on May 17 and 18 and would be delighted to meet with you.

Could you kindly let me know if a meeting on either May 17th in the afternoon or May 18th in the morning would be possible?

Many thanks and kind regards
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG

Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

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From:	Tanja Dobberstein
To:	juliane.banks@cpuc.ca.gov
CC:	Anne Francis
Sent:	4/26/2011 9:34:17 AM
Subject:	RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group
Attachments:	Attachment1; Attachment2; Attachment3

Hi Juliane,

many thanks for your prompt reply. Would 11am on May 18th be suitable? Where are you located?

Best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Tanja,

Commissioner Ferron would be happy to meet with Mr. Koch-Weser. His current availability is as follows:

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Thank you,

Juliane

Juliane Banks

Assistant to Commissioner Mark Ferron

California Public Utilities Commission

Office: 415-703-2444

Direct: 415-703-2284

bnk@cpuc.ca.gov

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Kind regards,
Tanja Dobberstein

Tanja Dobberstein

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Email tanja.dobberstein@db.com

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Passion to Perform

Passion to Perform

From: Banks, Juliane
To: 'Tanja Dobberstein'
CC: Anne Francis
Sent: 4/26/2011 9:46:59 AM
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Yes, let's go with May 18th at 11am. How much time do you think they need, an hour?

Our address is:

505 Van Ness Avenue, 5th Floor
San Francisco, CA 94102

Thanks,
Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 9:34 AM
To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Juliane,

many thanks for your prompt reply. Would 11am on May 18th be suitable? Where are you located?

Best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

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Office of Caio Koch-Weser, Vice Chairman
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Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Office: 415-703-2444
Direct: 415-703-2284
bnk@cpuc.ca.gov

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Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Kind regards,
Tanja Dobberstein

Tanja Dobberstein

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Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom

Tel. +44(20)754-19862
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Email tanja.dobberstein@db.com

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From:	Tanja Dobberstein
To:	juliane.banks@cpuc.ca.gov
CC:	Anne Francis
Sent:	4/26/2011 9:50:26 AM
Subject:	RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group
Attachments:	Attachment1; Attachment2; Attachment3; Attachment4; Attachment5

An hour would be great! Thank you very much for sending over the details.

Have a great day - our working day is almost over now.... :-)

best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
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Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:46

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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San Francisco, CA 94102

Thanks,
Juliane

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To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Kind regards,
Tanja Dobberstein

Tanja Dobberstein

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Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Please let me know which date and time frame works best for Mr. Koch-Weser's schedule.

Thank you,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Office: 415-703-2444
Direct: 415-703-2284
bnk@cpuc.ca.gov

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Dear Mr. Ferron,

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Tanja

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Tanja Dobberstein

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From: Banks, Juliane
To: 'Tanja Dobberstein'
CC: Anne Francis
Sent: 4/26/2011 10:15:40 AM
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

You are very welcome. I will schedule the meeting now and add you to the Outlook calendar appointment.

Lucky you!! But then again, you were up while I was peacefully sleeping J

Have a great evening,
Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 9:50 AM
To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

An hour would be great! Thank you very much for sending over the details.

Have a great day - our working day is almost over now.... :-)

best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:46

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Yes, let's go with May 18th at 11am. How much time do you think they need, an hour?

Our address is:

505 Van Ness Avenue, 5th Floor
San Francisco, CA 94102

Thanks,
Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 9:34 AM
To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Tanja Dobberstein

Tanja Dobberstein

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Office of Caio Koch-Weser, Vice Chairman
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Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Tanja,

Commissioner Ferron would be happy to meet with Mr. Koch-Weser. His current availability is as follows:

May 17: 3pm – 5pm
May 18th: 11am – noon; 1pm – 2pm; 4pm – 5pm

Please let me know which date and time frame works best for Mr. Koch-Weser's schedule.

Thank you,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Office: 415-703-2444
Direct: 415-703-2284
bnk@cpuc.ca.gov

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Dear Mr. Ferron,

Anshu Jain's office was kind enough to provide me with your new contact details in your position as Commissioner to the CPUC. Mr. Koch-Weser, Vice Chairman of Deutsche Bank Group and Chair of our Climate Change Advisory Board, will be in San Francisco on May 17 and 18 and would be delighted to meet with you.

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Many thanks and kind regards
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
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Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

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From:	Tanja Dobberstein
To:	Mark.Ferron@cpuc.ca.gov
Sent:	4/27/2011 12:27:20 AM
Subject:	Accepted: Mr. Caio Koch-Weser-Deutsche Bank Group, Meeting w/Comr. Mark Ferron (11am PDT)
Attachments:	Attachment1; c082719.ics; pic06938.gif; pic10878.gif; pic19496.gif; pic25051.gif

Calendar Entry

Subject	Mr. Caio Koch-Weser-Deutsche Bank Group, Meeting w/Comr. Mark Ferron (11am PDT)	**Chair**	Mark.Ferron@cpuc.ca.gov
When	Date: 18/05/2011 Time: 19:00 - 20:00 (1 hour) ☐ This meeting occurs in a different time zone	**Invitees** Required (to) Optional (cc)	Tanja Dobberstein/db/dbcom
Where	CPUC: 505 Van Ness Ave., 5th Floor, San Francisco, CA 94102		

Please note, that Sabine Miltner, future Group Sustainability Officer of Deutsche Bank, and Adam Bergman from our SF office will be joining this meeting.
Many thanks
Tanja

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Name: Attachment1

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METHOD
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Start Date/Time
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-0800

TZOFFSETTO
-0700

Recurrence Rule
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Mr. Caio Koch-Weser-Deutsche Bank Group, Meeting w/Comr. Mark Ferron (11am PDT)
CPUC : 505 Van Ness Ave., 5th Floor, San Francisco, CA 94102
20110518T110000

Start Date/Time
20110518T110000

End Date/Time
20110518T120000

Time Transparency
OPAQUE

DTSTAMP
20110427T072719Z

COMMENT
Please note, that Sabine Miltner, future Group Sustainabilit y Officer of Deutsche Bank, and Adam Bergman from our SF office will be joining this meeting.
Many thanks
Tanja

Sequence Number
0

Attendee mailto:tanja.dobberstein@db.com
RSVP FALSE

Categories
PUBLIC

Summary
Mr. Caio Koch-Weser-Deutsche Bank Group, Meeting w/Comr. Mark Ferron (11am PDT)

Location
CPUC : 505 Van Ness Ave., 5th Floor, San Francisco, CA 94102

ORGANIZER (CN="Ferron, Mark")
mailto:Mark.Ferron@cpuc.ca.gov

UID

040000008200E00074C5B7101A82E0080000000080FA646B0104CC010000000000000000100000001CCBCFD04091DE4782958F33C9F9DEB1

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X-LOTUS-NOTESVERSION
2

X-LOTUS-NOTICETYPE
A

X-LOTUS-CHILD_UID
16E2F90A49DB97288025787F0028DDCB

From:	Tanja Dobberstein
To:	juliane.banks@cpuc.ca.gov
Sent:	4/27/2011 2:11:09 AM
Subject:	RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group
Attachments:	Attachment1; Attachment2; Attachment3; Attachment4; Attachment5; Attachment6; Attachment7

Right you are - and hopefully also sleeping right now :-)

I accepted the calendar invite, with the following additional information / comment: Sabine Miltner, future Group Sustainability Officer of DB and Adam Bergman from our SF office will be joining the meeting.

Thanks for your support in setting this up!!

Best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 18:15

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

You are very welcome. I will schedule the meeting now and add you to the Outlook calendar appointment.

Lucky you!! But then again, you were up while I was peacefully sleeping J

Have a great evening,
Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 9:50 AM

To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

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Tel. +44(20)754-19862
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Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:46

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Yes, let's go with May 18th at 11am. How much time do you think they need, an hour?

Our address is:

505 Van Ness Avenue, 5th Floor
San Francisco, CA 94102

Thanks,
Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 9:34 AM
To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Juliane,

many thanks for your prompt reply. Would 11am on May 18th be suitable? Where are you located?

Best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357

Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

To Tanja Dobberstein/db/dbcom@DBEMEA

cc Anne Francis/db/dbcom@DBEMEA

Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Tanja,

Commissioner Ferron would be happy to meet with Mr. Koch-Weser. His current availability is as follows:

May 17: 3pm – 5pm
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Please let me know which date and time frame works best for Mr. Koch-Weser's schedule.

Thank you,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Office: 415-703-2444
Direct: 415-703-2284
bnk@cpuc.ca.gov

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Tanja Dobberstein
Deutsche Bank AG

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Email tanja.dobberstein@db.com

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From: Banks, Juliane
To: 'Tanja Dobberstein'
Sent: 4/27/2011 8:24:32 AM
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Thanks for the additional information. It was my pleasure to help in setting this meeting up.

Have a great evening!

Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Wednesday, April 27, 2011 2:11 AM
To: Banks, Juliane
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Kind regards,
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26/04/2011 18:15

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cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

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Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:46

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cc Anne Francis/db/dbcom@DBEMEA
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"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

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From: Adam Bergman
To: juliane.banks@cpuc.ca.gov
Sent: 4/28/2011 9:28:11 PM
Subject: Re: Introducing you to each other

Juliane,

I wanted to follow-up and see if you were able to speak with Mark Ferron about lunch on Monday, May 2nd. Please let me know at your earliest convenience.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: Mark Ferron [mark@theferrons.com]
Sent: 04/23/2011 05:54 PM MST
To: Adam Bergman
Cc: Juliane Banks <juliane.banks@cpuc.ca.gov>
Subject: Re: Introducing you to each other

Hi Adam,

I'd be happy to meet up, although I will be out of town on the April 25th. My assistant, Juliane Banks, can try to find a time which is mutually convenient on May 5th.

Regards

Mark

p.s., I spent 15 years at DB myself, though all of it was in London...

On Apr 21, 2011, at 8:20 AM, Adam Bergman wrote:

Dian,

Thanks for the introduction and I look forward to grabbing lunch next Tuesday.

Mark,

It is very nice to meet you by email. As a bit of background, I lead the Deutsche Bank renewable energy effort in North America and have been covering the sector since 2004. I would greatly appreciate the opportunity to meet and compare notes on the CleanTech sector. Please let me know if you have any time to meet during the weeks of April 25th or May 2nd.

I look forward to meeting you in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: "Grueneich, Dian" [dgrueneich@mofo.com]
Sent: 04/21/2011 06:55 AM MST
To: mark.ferron@cpuc.ca.gov; mark@theferrons.com; Adam Bergman
Subject: Introducing you to each other

Mark,

I hope all is well.

Adam, who is the Director of Clean Tech Investment Banking for Deutsche Bank Securities here in San Francisco, asked that I introduce you to him, given your background at Deutsche Bank overseas.

Adam - As you know, Mark is the new CPUC Commissioner. He brings a great background to the Commission, particularly in thinking about the financial implications of what the CPUC does and extensive management experience as well.

Regards,
Dian

Dian Grueneich
Morrison & Foerster LLP

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From:	Tanja Dobberstein
To:	juliane.banks@cpuc.ca.gov
CC:	Anne Francis
Sent:	5/9/2011 1:24:02 AM
Subject:	RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group
Attachments:	Attachment1; Attachment2; Attachment3; Attachment4; Attachment5; Attachment6; Attachment7; Attachment8; Attachment9

Dear Juliane,

hope you had a nice weekend.

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27/04/2011 16:24

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Have a great evening!

Juliane

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From: Banks, Juliane
To: 'Tanja Dobberstein'
CC: Anne Francis
Sent: 5/9/2011 9:34:35 AM
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Good morning Tanja,

My weekend was nice—I hope yours was as well.

I'm sorry to hear about Mr. Koch-Weser's surgery and of course, please do contact me when you want to reschedule. I will also inform Comr. Ferron.

Thanks and have a great day,

Juliane
415-703-2284

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Monday, May 09, 2011 1:24 AM
To: Banks, Juliane
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"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

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Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:46

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Yes, let's go with May 18th at 11am. How much time do you think they need, an hour?

Our address is:

505 Van Ness Avenue, 5th Floor
San Francisco, CA 94102

Thanks,
Juliane

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 9:34 AM
To: Banks, Juliane
Cc: Anne Francis
Subject: RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Juliane,

many thanks for your prompt reply. Would 11am on May 18th be suitable? Where are you located?

Best wishes
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

26/04/2011 17:20

To Tanja Dobberstein/db/dbcom@DBEMEA
cc Anne Francis/db/dbcom@DBEMEA
Subject RE: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Hi Tanja,

Commissioner Ferron would be happy to meet with Mr. Koch-Weser. His current availability is as follows:

May 17: 3pm – 5pm
May 18th: 11am – noon; 1pm – 2pm; 4pm – 5pm

Please let me know which date and time frame works best for Mr. Koch-Weser's schedule.

Thank you,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission

Office: 415-703-2444

Direct: 415-703-2284

bnk@cpuc.ca.gov

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, April 26, 2011 2:45 AM
To: Ferron, Mark
Cc: Banks, Juliane; Anne Francis
Subject: Meeting with Caio Koch-Weser, Vice Chairman Deutsche Bank Group

Dear Mr. Ferron,

Anshu Jain's office was kind enough to provide me with your new contact details in your position as Commissioner to the CPUC. Mr. Koch-Weser, Vice Chairman of Deutsche Bank Group and Chair of our Climate Change Advisory Board, will be in San Francisco on May 17 and 18 and would be delighted to meet with you.

Could you kindly let me know if a meeting on either May 17th in the afternoon or May 18th in the morning would be possible?

Many thanks and kind regards
Tanja

Kind regards,
Tanja Dobberstein

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

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From: Adam Bergman
To: Mark Ferron
CC: Juliane Banks
Sent: 6/9/2011 1:31:43 AM
Subject: Re: Introducing you to each other

Mark,

As we were not able to connect last month, I was hoping we could find a time to meet in the near future.

Let me know your availability during the weeks of June 27th or July 4th.

I look forward to connecting in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: Mark Ferron [mark@theferrons.com]
Sent: 04/23/2011 05:54 PM MST
To: Adam Bergman
Cc: Juliane Banks <juliane.banks@cpuc.ca.gov>
Subject: Re: Introducing you to each other

Hi Adam,

I'd be happy to meet up, although I will be out of town on the April 25th. My assistant, Juliane Banks, can try to find a time which is mutually convenient on May 5th.

Regards

Mark

p.s., I spent 15 years at DB myself, though all of it was in London...

On Apr 21, 2011, at 8:20 AM, Adam Bergman wrote:

Dian,

Thanks for the introduction and I look forward to grabbing lunch next Tuesday.

Mark,

It is very nice to meet you by email. As a bit of background, I lead the Deutsche Bank renewable energy effort in North America and have been covering the sector since 2004. I would greatly appreciate the opportunity to meet and compare notes on the CleanTech sector. Please let me

know if you have any time to meet during the weeks of April 25th or May 2nd.

I look forward to meeting you in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: "Grueneich, Dian" [dgrueneich@mofo.com]
Sent: 04/21/2011 06:55 AM MST
To: mark.ferron@cpuc.ca.gov; mark@theferrons.com; Adam Bergman
Subject: Introducing you to each other

Mark,

I hope all is well.

Adam, who is the Director of Clean Tech Investment Banking for Deutsche Bank Securities here in San Francisco, asked that I introduce you to him, given your background at Deutsche Bank overseas.

Adam - As you know, Mark is the new CPUC Commissioner. He brings a great background to the Commission, particularly in thinking about the financial implications of what the CPUC does and extensive management experience as well.

Regards,
Dian

Dian Grueneich
Morrison & Foerster LLP

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From: Jonathan Arnold
To: bnk@cpuc.ca.gov
Sent: 6/20/2011 9:19:05 AM
Subject: Meeting request - as discussed

Hello Juliane. As discussed on the phone I was just wondering if Commissioner Ferron might have a few minutes free this week. I just found out that I'm going to be in San Francisco for some meetings and it seemed too good an opportunity to pass up without asking the question. By way of introduction I am the equity analyst responsible for coverage of the California utilities at Deutsche Bank. My team and I have developed close relationships at the CPUC over the years and we have typically brought a group of investors in to meet at least once a year - the most recent visit was just before the elections last year. I was in fact also responsible for inviting Commissioner Grueneich to present at our annual conference in New York last month - and she asked me if I had met Commissioner Ferron yet which I have not. In the event that he would like to meet I'm available to come to the commission on Tuesday afternoon (21st) or Wednesday morning (23rd). It could certainly be brief if needed - I'm just hoping to put a face to the name and establish a dialog going forward. Thank you for your help. Jonathan.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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From: Banks, Juliane
To: 'Jonathan Arnold'
Sent: 6/20/2011 9:45:14 AM
Subject: RE: Meeting request - as discussed

Hello Mr. Arnold,

Comr. Ferron would be happy to meet with you this week. Wednesday would be the best day. Are you available at 10:30 or 11am?

Thanks,
Juliane
415-703-2284

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, June 20, 2011 9:19 AM
To: Banks, Juliane
Subject: Meeting request - as discussed

Hello Juliane. As discussed on the phone I was just wondering if Commissioner Ferron might have a few minutes free this week. I just found out that I'm going to be in San Francisco for some meetings and it seemed too good an opportunity to pass up without asking the question. By way of introduction I am the equity analyst responsible for coverage of the California utilities at Deutsche Bank. My team and I have developed close relationships at the CPUC over the years and we have typically brought a group of investors in to meet at least once a year - the most recent visit was just before the elections last year. I was in fact also responsible for inviting Commissioner Grueneich to present at our annual conference in New York last month - and she asked me if I had met Commissioner Ferron yet which I have not. In the event that he would like to meet I'm available to come to the commission on Tuesday afternoon (21st) or Wednesday morning (23rd). It could certainly be brief if needed - I'm just hoping to put a face to the name and establish a dialog going forward. Thank you for your help. Jonathan.

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Tel: +1 212 250 3182
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From: Jonathan Arnold
To: juliane.banks@cpuc.ca.gov
Sent: 6/20/2011 10:01:42 AM
Subject: RE: Meeting request - as discussed

Thanks so much for the quick response Juliane - 10.30 probably works best for me. Should I just come to the commission then? Jonathan.

"Banks, Juliane" <juliane.banks@cpuc.ca.gov>

06/20/2011 12:45 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc
Subject RE: Meeting request - as discussed

Hello Mr. Arnold,

Comr. Ferron would be happy to meet with you this week. Wednesday would be the best day. Are you available at 10:30 or 11am?

Thanks,
Juliane
415-703-2284

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, June 20, 2011 9:19 AM
To: Banks, Juliane
Subject: Meeting request - as discussed

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From: Adam Bergman
To: Mark Ferron
CC: Juliane Banks
Sent: 7/23/2011 9:28:11 AM
Subject: Meeting with Deutsche Bank

Mark,

As we haven't been able to schedule a meeting yet, I wanted to follow-up with you and see if you might be available to grab lunch next Tuesday, July 26th or Wednesday, July 27th or Monday, August 1st. I also could meet during the afternoon on Thursday, July 28th.

I look forward to meeting in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: Adam Bergman
Sent: 06/09/2011 04:31 AM EDT
To: "Mark Ferron" <mark@theferrons.com>
Cc: "Juliane Banks" <juliane.banks@cpuc.ca.gov>
Subject: Re: Introducing you to each other

Mark,

As we were not able to connect last month, I was hoping we could find a time to meet in the near future.

Let me know your availability during the weeks of June 27th or July 4th.

I look forward to connecting in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: Mark Ferron [mark@theferrons.com]
Sent: 04/23/2011 05:54 PM MST
To: Adam Bergman
Cc: Juliane Banks <juliane.banks@cpuc.ca.gov>

Subject: Re: Introducing you to each other

Hi Adam,

I'd be happy to meet up, although I will be out of town on the April 25th. My assistant, Juliane Banks, can try to find a time which is mutually convenient on May 5th.

Regards

Mark

p.s., I spent 15 years at DB myself, though all of it was in London...

On Apr 21, 2011, at 8:20 AM, Adam Bergman wrote:

Dian,

Thanks for the introduction and I look forward to grabbing lunch next Tuesday.

Mark,

It is very nice to meet you by email. As a bit of background, I lead the Deutsche Bank renewable energy effort in North America and have been covering the sector since 2004. I would greatly appreciate the opportunity to meet and compare notes on the CleanTech sector. Please let me know if you have any time to meet during the weeks of April 25th or May 2nd.

I look forward to meeting you in the near future.

Regards,

Adam

Adam E. Bergman
Director, CleanTech Investment Banking
Deutsche Bank Securities
101 California Street, 48th Floor
San Francisco, CA 94111
Work: (415) 617-3374
adam.bergman@db.com

From: "Grueneich, Dian" [dgrueneich@mofo.com]
Sent: 04/21/2011 06:55 AM MST
To: mark.ferron@cpuc.ca.gov; mark@theferrons.com; Adam Bergman
Subject: Introducing you to each other

Mark,

I hope all is well.

Adam, who is the Director of Clean Tech Investment Banking for Deutsche Bank Securities here in San Francisco, asked that I introduce you to him, given your background at Deutsche Bank overseas.

Adam - As you know, Mark is the new CPUC Commissioner. He brings a great background to the Commission, particularly in thinking about the financial implications of what the CPUC does and extensive management experience as well.

Regards,

Dian

Dian Grueneich
Morrison & Foerster LLP

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From: Jonathan Wills
To: dgrueneich@mofo.com
Sent: 9/26/2011 1:46:23 AM
Subject: Re: Meeting with you Oct. 6-8 [I]
Attachments: ecblank.gif; graycol.gif; pic12382.gif

Classification: For internal use only

Dian,

There's a typo in Caio Koch-Weser's email address. It should be caio.koch-weser@db.com

Regards,

Jonathan

Jonathan Wills
Managing Director
Head of Strategy, Corporate & Investment Bank
Deutsche Bank AG
(w) +44 (0) 20 754 73626
(m) +44 (0) 7951 130849

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"Grueneich, Dian" <dgrueneich@mofo.com>

"Grueneich, Dian" <dgrueneich@mofo.com>	Tocaio.wock-weser@db.com, tanja.dobberstein@db.com
	ccJonathan Wills/db/dbcom@DBEMEA, mark.ferron@cpuc.ca.gov, "James, Trevor" <TJames@mofo.com>, "Nelson, Stephanie J." <SNelson@mofo.com>
26/09/2011 05:06	
	SubjectMeeting with you Oct. 6-8

Caio,
Mark Ferron and Jonathan Wills have recommended that I contact you to see if you would be available to meet next week (Oct. 6, 7 or 8) when I am in London.

I have been deeply engaged in energy matters in California and the U.S. for over 30 years and most recently served as a Commissioner at the California Public Utilities Commission (2005-2010), the state agency where Mark now serves as a Commissioner. Earlier this year, I joined the international law firm, Morrison & Foerster, to help advise clients on energy matters. I will be in London next week (Oct. 6-8) and would like to meet with you if you are in town. The head of our London office, Trevor James, would join me. I would be delighted to give you a direct update on California and U.S. energy developments and the market for investments; in turn I would be very interested in your perspective on European developments. We would also like to introduce you to Morrison & Foerster, since it is heavily involved in energy matters both in Europe and worldwide.

Below is additional information on my background.
Please let me know if you would be available for a meeting.
Regards,
Dian Grueneich

Dian Grueneich
Morrison & Foerster LLP | www.mofo.com
425 Market Street | San Francisco, California 94105-2482
Phone: 415-268-6976 | Fax: 415-268-7522
Email: dgrueneich@mofo.com

Additional information on my background:
I served as a Commissioner with the California Public Utilities Commission (CPUC) from 2005-2010, involved in key areas of the State's clean energy activities. The CPUC is the lead California agency implementing the state's clean energy efforts on renewables, transmission, distribution generation, energy efficiency, demand response, smart grid, electric vehicles and energy storage. At the end of my 6 year term last December, I joined Morrison & Foerster, an international law firm. Prior to my appointment as a Commissioner, I practiced energy law for over 20 years, both with my own law and consulting firm, with a major international law firm, and in the first administration of California Governor Jerry Brown.

While at the CPUC, I was the lead Commissioner on transmission, energy efficiency and demand response. I oversaw the groundbreaking development of the California Long-Term Energy Efficiency Strategic Plan, which now guides the state's $3.1 billion efficiency program, the largest program in the US. I also oversaw smart meter rollouts at three of the state's utilities and California's demand response programs, and was the Commissioner representative on the State's Climate Action Team. I helped establish the California Renewable Energy Transmission Initiative, the parallel Western Renewable Energy Zone Initiative and the Western Interconnection's regional transmission planning process, and oversaw the successful permitting of three major new transmission lines in California.

I have advised the International Energy Agency on its Combined Heat & Power initiative and briefed staff and stakeholders in the European Union on the national U.S. transmission expansion effort. I also serve on the U.S. Department of Energy's Electricity Advisory Committee and its Smart Grid, Energy Storage Technology, and Transmission subcommittees.

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From: Grueneich, Dian
To: Tanja Dobberstein
CC: Nelson, Stephanie J.; jonathan.wills@db.com; mark.ferron@cpuc.ca.gov
Sent: 10/2/2011 4:57:17 PM
Subject: RE: Meeting with you Oct. 6-8
Attachments: image003.gif; image004.png; image005.png

Tanja,

My sincerest apologies but my trip this upcoming week to the U.K. and London has been delayed. An urgent business matter in San Francisco requiring my presence has arisen. I will be rescheduling my trip to the U.K. and very much hope I can then meet Caio.

In the meantime, if Caio or others at Duetsche Bank in the U.K. have any questions about energy developments in California and the U.S., please feel free to contact me. My colleagues in our London office, Sophie McGrath (smcgrath@mofo.com) and Alistair Maughan (amaughan@mofo.com), would also be delighted to provide any details regarding the firm's U.K. and European expertise, particularly in clean tech and energy matters.

My apologies again for the rescheduling and I look forward to meeting Caio at a later date.

Best regards,

Dian.

Dian Grueneich
Morrison & Foerster LLP | www.mofo.com
425 Market Street | San Francisco, California 94105-2482
Phone: 415-268-6976 | Fax: 415-268-7522
Email: dgrueneich@mofo.com

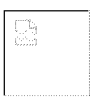
From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Thursday, September 29, 2011 3:03 AM
To: Grueneich, Dian
Cc: Nelson, Stephanie J.
Subject: RE: Meeting with you Oct. 6-8

Dear Mrs. Grueneich,

Mr. Koch-Weser would be happy to meet with you. Are you available on Thursday 6th at 10:00?

Many thanks and kind regards
Tanja

Kind regards,
Tanja Dobberstein



Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

From: Grueneich, Dian [mailto:dgrueneich@mofo.com]
Sent: 27 September 2011 15:09
To: Tanja Dobberstein
Cc: Nelson, Stephanie J.
Subject: RE: Meeting with you Oct. 6-8

Thanks!
Dian

From: Tanja Dobberstein [mailto:tanja.dobberstein@db.com]
Sent: Tuesday, September 27, 2011 7:04 AM
To: Grueneich, Dian
Subject: RE: Meeting with you Oct. 6-8

Dear Mrs Grueneich,

no worries, we had received the request. Caio will return from his current trip shortly and we will take it up with him.

With kind regards
Tanja

Tanja Dobberstein

Deutsche Bank AG
Office of Caio Koch-Weser, Vice Chairman
Winchester House, 1 Great Winchester Street, EC2N 2DB London, United Kingdom
Tel. +44(20)754-19862
Fax +44(20)754-70357
Email tanja.dobberstein@db.com

From: Grueneich, Dian [mailto:dgrueneich@mofo.com]
Sent: 27 September 2011 15:01
To: Caio Koch-Weser; Tanja Dobberstein
Cc: Jonathan Wills; mark.ferron@cpuc.ca.gov; James, Trevor; Nelson, Stephanie J.
Subject: RE: Meeting with you Oct. 6-8

My apologies. I had a typo in Caio's email address when I sent this out on Sunday.

Caio - I hope we can arrange a time to meet.

Thanks,
Dian

From: Grueneich, Dian

Sent: Sunday, September 25, 2011 9:07 PM

To: 'caio.wock-weser@db.com'; 'tanja.dobberstein@db.com'

Cc: 'jonathan.wills@db.com'; 'mark.ferron@cpuc.ca.gov'; James, Trevor; Nelson, Stephanie J.

Subject: Meeting with you Oct. 6-8

Caio,
Mark Ferron and Jonathan Wills have recommended that I contact you to see if you would be available to meet next week (Oct. 6, 7 or 8) when I am in London.

I have been deeply engaged in energy matters in California and the U.S. for over 30 years and most recently served as a Commissioner at the California Public Utilities Commission (2005-2010), the state agency where Mark now serves as a Commissioner. Earlier this year, I joined the international law firm, Morrison & Foerster, to help advise clients on energy matters. I will be in London next week (Oct. 6-8) and would like to meet with you if you are in town. The head of our London office, Trevor James, would join me. I would be delighted to give you a direct update on California and U.S. energy developments and the market for investments; in turn I would be very interested in your perspective on European developments. We would also like to introduce you to Morrison & Foerster, since it is heavily involved in energy matters both in Europe and worldwide.

Below is additional information on my background.
Please let me know if you would be available for a meeting.
Regards,
Dian Grueneich

Dian Grueneich
Morrison & Foerster LLP | www.mofo.com
425 Market Street | San Francisco, California 94105-2482
Phone: 415-268-6976 | Fax: 415-268-7522
Email: dgrueneich@mofo.com

Additional information on my background:
I served as a Commissioner with the California Public Utilities Commission (CPUC) from 2005-2010, involved in key areas of the State's clean energy activities. The CPUC is the lead California agency implementing the state's clean energy efforts on renewables, transmission, distribution generation, energy efficiency, demand response, smart grid, electric vehicles and energy storage. At the end of my 6 year term last December, I joined Morrison & Foerster, an international law firm. Prior to my appointment as a Commissioner, I practiced energy law for over 20 years, both with my own law and consulting firm, with a major international law firm, and in the first administration of California Governor Jerry Brown.

While at the CPUC, I was the lead Commissioner on transmission, energy efficiency and demand response. I oversaw the groundbreaking development of the California Long-Term Energy Efficiency Strategic Plan, which now guides the state's $3.1 billion efficiency program, the largest program in the US. I also oversaw smart meter rollouts at three of the state's utilities and California's demand response programs, and was the Commissioner representative on the State's Climate Action Team. I helped establish the California Renewable Energy Transmission Initiative, the parallel Western Renewable Energy Zone Initiative and the Western Interconnection's regional transmission planning process, and oversaw the successful permitting of three major new transmission lines in California.

I have advised the International Energy Agency on its Combined Heat & Power initiative and briefed staff and stakeholders in the European Union on the national U.S. transmission expansion effort. I also serve on the U.S. Department of Energy's Electricity Advisory Committee and its Smart Grid, Energy Storage Technology, and Transmission subcommittees.

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Passion to Perform

From:	Thomas, Sarah R.
To:	jonathan.arnold@db.com
CC:	Banks, Juliane
Sent:	10/4/2011 2:01:25 PM
Subject:	California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Jonathan - Gabe Togneri put us in touch. My Commissioner, Mark Ferron (who has 25 years in banking) will be in NY on 10/28 and was wondering if there was a chance you could meet in NY that day to touch base on a number of energy topics, principally related to RPS and EE financing. If you're available, he'd like to talk to you. Thanks.

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
California Public Utilities Commission
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San Francisco, CA 94102
srt@cpuc.ca.gov
www.cpuc.ca.gov
(415) 703-2310 (phone)
(415) 703-2262 (fax)

From: Jonathan Arnold
To: sarah.thomas@cpuc.ca.gov
CC: Banks, Juliane
Sent: 10/4/2011 2:06:13 PM
Subject: Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Classification: Public

I could certainly make myself available that day. It will be a busy day with earnings reports and later in the morning would probably be best, but I will accommodate his schedule. I did meet with Commr Ferron in his office in San Francisco back in the spring he may recall and would be delighted to catch up on these topics. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

10/04/2011 05:01 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Jonathan - Gabe Togneri put us in touch. My Commissioner, Mark Ferron (who has 25 years in banking) will be in NY on 10/28 and was wondering if there was a chance you could meet in NY that day to touch base on a number of energy topics, principally related to RPS and EE financing. If you're available, he'd like to talk to you. Thanks.

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

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From: Thomas, Sarah R.
To: Jonathan Arnold
CC: Banks, Juliane
Sent: 10/4/2011 2:15:06 PM
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Yes, he mentioned that. It turns out he's available pretty much all day Friday, so late morning is great - say 11:30?

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
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(415) 703-2262 (fax)

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, October 04, 2011 2:06 PM
To: Thomas, Sarah R.
Cc: Banks, Juliane
Subject: Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Classification: Public

I could certainly make myself available that day. It will be a busy day with earnings reports and later in the morning would probably be best, but I will accommodate his schedule. I did meet with Commr Ferron in his office in San Francisco back in the spring he may recall and would be delighted to catch up on these topics. Jonathan Arnold.

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Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

10/04/2011 05:01 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Jonathan - Gabe Togneri put us in touch. My Commissioner, Mark Ferron (who has 25 years in banking) will be in NY on 10/28 and was wondering if there was a chance you could meet in NY that day to touch base on a number of energy topics, principally

related to RPS and EE financing. If you're available, he'd like to talk to you. Thanks.

http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

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From: Thomas, Sarah R.
To: Jonathan Arnold
CC: Banks, Juliane
Sent: 10/13/2011 3:38:40 PM
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Jonathan - with regrets, Commissioner Ferron has had to cancel his trip to New York. Hopefully he can make it in the new year. Thank you for your prompt reply and accommodation of a new California Commissioner!

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
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(415) 703-2262 (fax)

From: Thomas, Sarah R.
Sent: Tuesday, October 04, 2011 2:40 PM
To: 'Jonathan Arnold'
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

yes. 60 Wall St, what floor?

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
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From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, October 04, 2011 2:39 PM
To: Thomas, Sarah R.
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

Classification: For internal use only

Could we do 2pm?

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.

60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

10/04/2011 05:36 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc
Subject RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

sure - what works best - 1?

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
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(415) 703-2262 (fax)

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, October 04, 2011 2:34 PM
To: Thomas, Sarah R.
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

Classification: For internal use only

Any chance we might be able to do early afternoon ? Jonathan.

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

10/04/2011 05:15 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Yes, he mentioned that. It turns out he's available pretty much all day Friday, so late morning is great - say 11:30?

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From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, October 04, 2011 2:06 PM
To: Thomas, Sarah R.
Cc: Banks, Juliane
Subject: Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Classification: Public

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Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

10/04/2011 05:01 PM

To Jonathan Arnold/db/dbcom@DBAmericas

cc "Banks, Juliane" <juliane.banks@cpuc.ca.gov>

Subject California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning

Jonathan - Gabe Togneri put us in touch. My Commissioner, Mark Ferron (who has 25 years in banking) will be in NY on 10/28 and was wondering if there was a chance you could meet in NY that day to touch base on a number of energy topics, principally related to RPS and EE financing. If you're available, he'd like to talk to you. Thanks.

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From:	Clifford Swint
To:	jonathan.arnold@db.com
CC:	Katague, Ditas
Sent:	1/30/2012 11:20:32 AM
Subject:	MFR Hosting Reception with CPUC Commissioner Sandoval at the Harvard Club of NY on February 9th 6-8pm
Attachments:	Reception Invitation with Commr Sandoval v5 final.pdf

Jon,

MFR will be hosting a welcome and reception next Thursday with CPUC Commissioner Sandoval next Thursday in New York.

In addition to a powerful group of banks, analysts and investors involved with the utility sector, also participating will be two New York State Commissioners. The panel will explore regulatory best practices from around the nation and how such decisions affect utility investment and cost of capital.

It would be my pleasure if you could attend however space is limited so let me know soon.

Warm regards,

Cliff

Clifford C. Swint, CFA
Executive Vice President
Capital Markets Group
MFR Securities, Inc.
675 Third Avenue, 11th Floor
New York, NY 10017

212-416-5035 Office
917-232-1591 Mobile
cliff@mfr.com

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Welcome and Reception

with

Commissioner Sandoval

California Public Utilities Commission

at

Harvard Club of New York

35 West 44th Street * New York, NY
Thursday February 9, 2012
6:00pm – 8:00pm

Program

6:00-6:30 Registration, Open Bar and Networking

***6:30-6:35 Welcoming Remarks** - Chairman Brown, NYS Public Service Commission*

***6:35-6:40 Panel Introduction** - Christopher Ellinghaus, Senior Equity Analyst, Williams Capital*

6:40-7:15 Panel: Comparative Regulatory Environments and how they Impact Wall Street Investment Decisions

***Moderator:** [confirmation expected shortly]*

***Panelists:** Hugh Wynne, Senior Research Analyst, Sanford C. Bernstein & Co.*
Karen Choi, Fixed Income Analyst, Capital Group Companies
Eric Seltenrich, Director Debt Capital Markets, Citigroup Global Markets
Richard Cortright, Managing Director, Standard and Poor's

***7:15-7:20 Commr. Sandoval Introduction** – Commissioner Curry, NYS Public Service Comm.*

7:20-7:30 Remarks by Commissioner Sandoval

7:30-8:00 Open Bar and Networking

Spaced limited, rsvp no later than 2/8/12

proudly hosted by:

MFR Securities

Williams Capital

Lebenthal & Co.

From:	Jonathan Arnold
To:	Thomas, Sarah R.
CC:	Banks, Juliane; Lauren Duke
Sent:	2/7/2012 11:24:51 AM
Subject:	Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled
Attachments:	graycol.gif

Hi Sarah. Following up on this discussion from late last year, I'm wondering whether Commr Ferron might be willing and available to meet with me and (potentially) a very small group of locally (i.e. California) based investors. I'm in San Francisco visiting clients on March 7 and was thinking of trying to work in a quick visit to with him as part of that trip. Could that work? Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Tel: +1-212-250-3182
Mobile +1-917-207-6953
Email: jonathan.arnold@db.com

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"Thomas, Sarah R."

----- Original Message -----
From: "Thomas, Sarah R." [sarah.thomas@cpuc.ca.gov]
Sent: 10/13/2011 03:38 PM MST
To: Jonathan Arnold
Cc: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Jonathan- with regrets, Commissioner Ferron has had to cancel his trip to New York. Hopefully he can make it in the new year. Thank you for your prompt reply and accommodation of a new California Commissioner!

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
California Public Utilities Commission
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From: Thomas, Sarah R.
Sent: Tuesday, October 04, 2011 2:40 PM
To: 'Jonathan Arnold'
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

yes. 60 Wall St, what floor?

Sarah R. Thomas, Esq.

Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
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contained in this communication should not be regarded as such.

From:	Jonathan Arnold
To:	Charlotte.terkeurst@cpuc.ca.gov
CC:	Banks, Juliane; Lauren Duke; Thomas,
Sent:	2/7/2012 11:28:39 AM
Subject:	Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled
Attachments:	graycol.gif

Hi Charlotte. Please see message below I sent to Sarah. Given that she's not back till 2/14 per her out of office I thought I should forward this to you as the date in question - March 7 - is not too far off. Jonathan Arnold.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Tel: +1-212-250-3182
Mobile +1-917-207-6953
Email: jonathan.arnold@db.com

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Jonathan Arnold

----- Original Message -----
From: Jonathan Arnold
Sent: 02/07/2012 02:24 PM EST
To: "Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>
Cc: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>; Lauren Duke
Subject: Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

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"Thomas, Sarah R."

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From: "Thomas, Sarah R." [sarah.thomas@cpuc.ca.gov]
Sent: 10/13/2011 03:38 PM MST
To: Jonathan Arnold
Cc: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Jonathan- with regrets, Commissioner Ferron has had to cancel his trip to New York. Hopefully he can make it in the new year. Thank you for your prompt reply and accommodation of a new California Commissioner!

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
srt@cpuc.ca.gov
www.cpuc.ca.gov
(415) 703-2310 (phone)
(415) 703-2262 (fax)

From: Thomas, Sarah R.
Sent: Tuesday, October 04, 2011 2:40 PM
To: 'Jonathan Arnold'
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

yes. 60 Wall St, what floor?

Sarah R. Thomas, Esq.
Advisor to Commissioner Mark Ferron
(Legal/Energy/Communications)
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
srt@cpuc.ca.gov
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(415) 703-...

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contained in this communication should not be regarded as such.

From: Lauren Duke
To: Ditas Katague (ditas.katague@cpuc.ca.gov)
Sent: 2/15/2012 1:57:14 PM
Subject: Potential Meeting (3/7)

Hi Ditas,

I met you at the MFR event in New York and mentioned that I might reach out to you about a potential meeting with Commissioner Sandoval in early March. We are in fact planning a brief trip out and wanted to see if Commissioner Sandoval might be available on March 7. Ideally, we're looking for a fairly brief meeting that day – perhaps 10 or 11AM? From our side it would be a very small group, likely Jonathan (the Senior Utilities Research Analyst here at Deutsche Bank) and myself plus a small handful (3-5) of California-based, key investors in the sector. Do you think that might be possible? Thanks for your help!

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
lauren.duke@db.com

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From: Lauren Duke
To: Carol Brown
Sent: 2/15/2012 1:59:19 PM
Subject: Potential Meeting (3/7)

Hi Carol,

I met with you and President Peevey in 2010 when we hosted an investor trip to your offices. We are planning a brief trip out to California and wanted to see if President Peevey might be available on March 7. Ideally, we're looking for a fairly brief meeting that day. From our side it would be a very small group, likely Jonathan (the Senior Utilities Research Analyst here at Deutsche Bank) and myself plus a small handful (3-5) of California-based, key investors in the sector. Do you think that might be possible? Thanks for your help!

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From: Brown, Carol A.
To: Lauren Duke
Sent: 2/15/2012 2:05:39 PM
Subject: RE: Potential Meeting (3/7)

I will check with president Peevey and get back to you

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, February 15, 2012 1:59 PM
To: Brown, Carol A.
Subject: Potential Meeting (3/7)

Hi Carol,

I met with you and President Peevey in 2010 when we hosted an investor trip to your offices. We are planning a brief trip out to California and wanted to see if President Peevey might be available on March 7. Ideally, we're looking for a fairly brief meeting that day. From our side it would be a very small group, likely Jonathan (the Senior Utilities Research Analyst here at Deutsche Bank) and myself plus a small handful (3-5) of California-based, key investors in the sector. Do you think that might be possible? Thanks for your help!

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From: Katague, Ditas
To: Lauren Duke; Jovita Chan; Jacqueline Clay
Sent: 2/15/2012 2:08:25 PM
Subject: Re: Potential Meeting (3/7)

Lauren,
Unfortunately, Commr Sandoval will be in Sacramento that day.

Ditas

Sent from my iPad

On Feb 15, 2012, at 1:57 PM, "Lauren Duke" <lauren.duke@db.com> wrote:

Hi Ditas,

I met you at the MFR event in New York and mentioned that I might reach out to you about a potential meeting with Commissioner Sandoval in early March. We are in fact planning a brief trip out and wanted to see if Commissioner Sandoval might be available on March 7. Ideally, we're looking for a fairly brief meeting that day – perhaps 10 or 11AM? From our side it would be a very small group, likely Jonathan (the Senior Utilities Research Analyst here at Deutsche Bank) and myself plus a small handful (3-5) of California-based, key investors in the sector. Do you think that might be possible? Thanks for your help!

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From: Lauren Duke
To: Katague, Ditas; Jovita Chan; Jacqueline Clay
Sent: 2/15/2012 2:12:56 PM
Subject: RE: Potential Meeting (3/7)

Thanks for the quick response – I'll check back for our next trip! Separately, do you know who the best contact person would be for Commissioner Florio's office if we're looking to reach out to him as well? Thanks!

Lauren

From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Wednesday, February 15, 2012 5:08 PM
To: Lauren Duke; Jovita Chan; Jacqueline Clay
Subject: Re: Potential Meeting (3/7)

Lauren,
Unfortunately, Commr Sandoval will be in Sacramento that day.

Ditas

Sent from my iPad

On Feb 15, 2012, at 1:57 PM, "Lauren Duke" <lauren.duke@db.com> wrote:

Hi Ditas,

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From: Banks, Juliane
To: Jonathan Arnold
CC: Banks, Juliane
Sent: 2/22/2012 11:23:53 AM
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Hello Mr. Arnold,

My apologies for the delay in you receiving a response to your inquiry, but unfortunately Comr. Ferron will not be able to meet with you due to a prior commitment. Are there any other dates in the near future when you plan on visiting again? If so, please let me know and I will see if Comr. Ferron is available.

Thanks and have a good day,

Juliane

415-703-2284

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, February 07, 2012 11:29 AM
To: TerKeurst, Charlotte
Cc: Banks, Juliane; Lauren Duke; Thomas,
Subject: Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Hi Charlotte. Please see message below I sent to Sarah. Given that she's not back till 2/14 per her out of office I thought I should forward this to you as the date in question - March 7 - is not too far off. Jonathan Arnold.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Tel: +1-212-250-3182
Mobile +1-917-207-6953
Email: jonathan.arnold@db.com

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Jonathan Arnold

----- Original Message -----
From: Jonathan Arnold
Sent: 02/07/2012 02:24 PM EST
To: "Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>
Cc: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>; Lauren Duke
Subject: Re: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Hi Sarah. Following up on this discussion from late last year, I'm wondering whether Commr Ferron might be willing and available to meet with me and (potentially) a very small group of locally (i.e. California) based investors. I'm in San Francisco visiting clients on March 7 and was thinking of trying to work in a quick visit to with him as part of that trip. Could that work? Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Tel: +1-212-250-3182
Mobile +1-917-207-6953
Email: jonathan.arnold@db.com

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"Thomas, Sarah R."

----- Original Message -----
From: "Thomas, Sarah R." [sarah.thomas@cpuc.ca.gov]
Sent: 10/13/2011 03:38 PM MST
To: Jonathan Arnold
Cc: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I] - cancelled

Jonathan- with regrets, Commissioner Ferron has had to cancel his trip to New York. Hopefully he can make it in the new year. Thank you for your prompt reply and accommodation of a new California Commissioner!

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From: Thomas, Sarah R.
Sent: Tuesday, October 04, 2011 2:40 PM
To: 'Jonathan Arnold'
Subject: RE: California Public Utilities Commission Commissioner Mark Ferron - visit to NYC 10/28 in the morning [I]

yes. 60 Wall St, what floor?

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From: Lauren Duke
To: Brown, Carol A.
Sent: 2/23/2012 4:05:25 PM
Subject: RE: Potential Meeting (3/7)

Hi Carol,

I just wanted to follow up on our below request and see if you had heard back from President Peevey. Also, do you know who the best person to contact about a potential meeting with Commissioner Florio?

Lauren Backor Duke
US Utilities & Power Equity Research
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60 Wall Street, New York, NY 10005
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From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, February 15, 2012 5:06 PM
To: Lauren Duke
Subject: RE: Potential Meeting (3/7)

I will check with president Peevey and get back to you

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, February 15, 2012 1:59 PM
To: Brown, Carol A.
Subject: Potential Meeting (3/7)

Hi Carol,

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From: Brown, Carol A.
To: lauren.duke@db.com; Gonzalez, Nuria; Goldthrite, Cody
Sent: 2/23/2012 4:18:56 PM
Subject: Re: Potential Meeting (3/7)

Nuria Gonzalez does all of President Peevey's scheduling. Please contact her directly to see if President Peevey has any time available on 3/7. Her number is 415 703 2156 nur@cpuc.ca.gov
Since his schedule fills up with commission meeting business, if he is not available to meet, I am happy to meet with you. Please contact Cody 415 703 2722 cde@cpuc.ca.gov and he will schedule my meeting
And Nuria can give you the person to contact in Florio's office
Thank you

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Thursday, February 23, 2012 04:05 PM
To: Brown, Carol A.
Subject: RE: Potential Meeting (3/7)

Hi Carol,

I just wanted to follow up on our below request and see if you had heard back from President Peevey. Also, do you know who the best person to contact about a potential meeting with Commissioner Florio?

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From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, February 15, 2012 5:06 PM
To: Lauren Duke
Subject: RE: Potential Meeting (3/7)

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From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, February 15, 2012 1:59 PM
To: Brown, Carol A.
Subject: Potential Meeting (3/7)

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From: Lauren Duke
To: nur@cpuc.ca.gov
Sent: 2/23/2012 4:26:45 PM
Subject: FW: Potential Meeting (3/7)

Hi Nuria,

Please see below – I'm trying to schedule a meeting with President Peevey on March 7. Do you know if he has availability? Also, who should I contact in Commissioner Florio's office about setting up a meeting? Thanks for your help!

Lauren Backor Duke
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Thank you

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From: Gonzalez, Nuria
To: Lauren Duke
Sent: 2/24/2012 9:29:35 AM
Subject: RE: Potential Meeting (3/7)

Hi Lauren,
President Peevey is available Wednesday, March 7 at 1:30 p.m. (15 minutes). Please contact Joan Danhlgren in Commissioner Florio's office at 415-703-1840
or by e-mail JBD@cpuc.ca.gov

Regards,

Nuria

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Thursday, February 23, 2012 4:27 PM
To: Gonzalez, Nuria
Subject: FW: Potential Meeting (3/7)

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lauren.duke@db.com

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From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Thursday, February 23, 2012 7:19 PM
To: Lauren Duke; Gonzalez, Nuria; Goldthrite, Cody
Subject: Re: Potential Meeting (3/7)

Nuria Gonzalez does all of President Peevey's scheduling. Please contact her directly to see if President Peevey has any time available on 3/7. Her number is 415 703 2156 nur@cpuc.ca.gov
Since his schedule fills up with commission meeting business, if he is not available to meet, I am happy to meet with you. Please contact Cody 415 703 2722 cde@cpuc.ca.gov and he will schedule my meeting
And Nuria can give you the person to contact in Florio's office
Thank you

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Thursday, February 23, 2012 04:05 PM
To: Brown, Carol A.
Subject: RE: Potential Meeting (3/7)

Hi Carol,

I just wanted to follow up on our below request and see if you had heard back from President Peevey. Also, do you know who the best person to contact about a potential meeting with Commissioner Florio?

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Sent: Wednesday, February 15, 2012 5:06 PM
To: Lauren Duke
Subject: RE: Potential Meeting (3/7)

I will check with president Peevey and get back to you

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, February 15, 2012 1:59 PM
To: Brown, Carol A.
Subject: Potential Meeting (3/7)

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From: Lauren Duke
To: JBD@cpuc.ca.gov
Sent: 2/24/2012 10:02:08 AM
Subject: Meeting with Commissioner Florio

Hi Joan,

I work in equity research at Deutsche Bank following electric utilities. We are planning a brief trip out to California and wanted to see if Commissioner Florio might be available on March 7. We have been in contact with President Peevey's office as well, and are hoping to line up consecutive meetings if possible. They offered us a 1:30PM slot, so would Commissioner Florio be available before or after that? From our side it would be a very small group, likely Jonathan (the Senior Utilities Research Analyst here at Deutsche Bank) and myself plus a small handful (3-5) of key investors in the sector. Do you think that might be possible? Thanks for your help!

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From: Lauren Duke
To: JBD@cpuc.ca.gov
Sent: 2/28/2012 10:16:51 AM
Subject: FW: Meeting with Commissioner Florio

Hi Joan,

I just wanted to follow up on my request below from last week. Thank you.

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
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From: Lauren Duke
To: Gonzalez, Nuria
CC: Jonathan Arnold
Sent: 2/28/2012 10:30:53 AM
Subject: RE: Potential Meeting (3/7)

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From: Lauren Duke
To: nur@cpuc.ca.gov
CC: Jonathan Arnold
Sent: 3/1/2012 10:00:36 AM
Subject: FW: Potential Meeting (3/7)

Hi Nuria,

I just wanted to confirm this meeting now that you're back in the office. Thanks!

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To: 'Gonzalez, Nuria'
Cc: Jonathan Arnold
Subject: RE: Potential Meeting (3/7)

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From: Jonathan Arnold
To: nur@cpuc.ca.gov
CC: Lauren Duke; jonathan.arnold@db.com
Sent: 3/2/2012 1:31:53 PM
Subject: Re: FW: Potential Meeting (3/7)

Hi Nuria. Confirming that I will be coming in to the CPUC next Wednesday March 7th for a brief meeting with President Peevey at 1.30pm. Accompanying me will be two of our San Francisco based institutional investor clients, John Kohli from Franklin Templeton and Tom O'Neill from Green Arrow, both of whom President Peevey has met with before. We look forward to seeing you. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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Lauren Duke/db/dbcom@DBCOEX

03/01/2012 01:00 PM

To "nur@cpuc.ca.gov" <nur@cpuc.ca.gov>
cc Jonathan Arnold/db/dbcom@DBAmericas
Subject FW: Potential Meeting (3/7)

Hi Nuria,

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Sent: Thursday, February 23, 2012 04:05 PM
To: Brown, Carol A.
Subject: RE: Potential Meeting (3/7)

Hi Carol,

I just wanted to follow up on our below request and see if you had heard back from President Peevey. Also, do you know who the best person to contact about a potential meeting with Commissioner Florio?

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
lauren.duke@db.com

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From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Wednesday, February 15, 2012 5:06 PM
To: Lauren Duke
Subject: RE: Potential Meeting (3/7)

I will check with president Peevey and get back to you

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, February 15, 2012 1:59 PM
To: Brown, Carol A.
Subject: Potential Meeting (3/7)
Hi Carol,

I met with you and President Peevey in 2010 when we hosted an investor trip to your offices. We are planning a brief trip out to California and wanted to see if President Peevey might be available on March 7. Ideally, we're looking for a fairly brief meeting that day. From our side it would be a very small group, likely Jonathan (the Senior Utilities Research Analyst here at Deutsche Bank) and myself plus a small handful (3-5) of California-based, key investors in the sector. Do you think that might be possible? Thanks for your help!

Lauren Backor Duke
US Utilities & Power Equity Research
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60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
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lauren.duke@db.com

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From: Lauren Duke
To: nur@cpuc.ca.gov
Sent: 3/6/2012 3:42:41 PM
Subject: Confirming 1:00PM Tomorrow

Hi Nuria,

Thanks again for your help in scheduling this meeting tomorrow. I finally had a chance to speak with Jonathan, so I just wanted to confirm the 1:00PM meeting tomorrow with you.

Lauren Backor Duke
US Utilities & Power Equity Research
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60 Wall Street, New York, NY 10005
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From: Gonzalez, Nuria
To: Lauren Duke
Sent: 3/6/2012 3:58:14 PM
Subject: RE: Confirming 1:00PM Tomorrow

You are welcome. 1:00 p.m. meeting confirmed.

Nuria

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Tuesday, March 06, 2012 3:43 PM
To: Gonzalez, Nuria
Subject: Confirming 1:00PM Tomorrow

Hi Nuria,

Thanks again for your help in scheduling this meeting tomorrow. I finally had a chance to speak with Jonathan, so I just wanted to confirm the 1:00PM meeting tomorrow with you.

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
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From: Lauren Duke
To: Gonzalez, Nuria
CC: Jonathan Arnold
Sent: 3/7/2012 12:03:05 PM
Subject: RE: Confirming 1:00PM Tomorrow

Hi Nuria,

Where should Jonathan meet President Peevey for the 1PM meeting? Is there a specific room reserved?

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
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From: Gonzalez, Nuria
To: Lauren Duke
Sent: 3/7/2012 12:07:43 PM
Subject: RE: Confirming 1:00PM Tomorrow

Room 5218

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, March 07, 2012 12:03 PM
To: Gonzalez, Nuria
Cc: Jonathan Arnold
Subject: RE: Confirming 1:00PM Tomorrow

Hi Nuria,

Where should Jonathan meet President Peevey for the 1PM meeting? Is there a specific room reserved?

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
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From: Jonathan Arnold
To: nuria.gonzalez@cpuc.ca.gov
CC: lauren.duke@db.com
Sent: 4/9/2012 9:39:37 AM
Subject: New York Conference Speaking Opportunity - May 14/15

Good morning Nuria. You may remember I visited with President Peevey last month when I was in San Francisco and many thanks for all your help setting that up. This morning I was invited by Credit Suisse to attend a sell side breakfast meeting with him in New York on May 15th. It so happens that May 14th and May 15th are the dates for the Deutsche Bank Clean Tech, Utilities and Power Conference here in New York. We're hosting it at the Waldorf Astoria this year and in past years we've had some high profile keynote speakers - last year Carol Browner spoke, for example, as did by then former Commissioner Grueneich. I wonder whether President Peevey might be interested in speaking at our if he's planning to be in New York those days anyway? We are a little under-represented by California utilities this year given that the dates clash with some of their annual meetings, and it would be a great opportunity to redress that imbalance and hear some perspective from the state which represents such a large share of the current opportunities for a lot of our Clean Tech companies. Let me know what you think? I can send the current agenda and company list if he might be interested. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
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AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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From: Gonzalez, Nuria
To: Jonathan Arnold
Sent: 4/9/2012 10:12:53 AM
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hello Jonathan,
Please send me the current agenda, and I'll be happy to check with President Peevey. Have a great day.
Regards,

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, April 09, 2012 9:40 AM
To: Gonzalez, Nuria
Cc: lauren.duke@db.com
Subject: New York Conference Speaking Opportunity - May 14/15

Good morning Nuria. You may remember I visited with President Peevey last month when I was in San Francisco and many thanks for all your help setting that up. This morning I was invited by Credit Suisse to attend a sell side breakfast meeting with him in New York on May 15th. It so happens that May 14th and May 15th are the dates for the Deutsche Bank Clean Tech, Utilities and Power Conference here in New York. We're hosting it at the Waldorf Astoria this year and in past years we've had some high profile keynote speakers - last year Carol Browner spoke, for example, as did by then former Commissioner Grueneich. I wonder whether President Peevey might be interested in speaking at our if he's planning to be in New York those days anyway? We are a little under-represented by California utilities this year given that the dates clash with some of their annual meetings, and it would be a great opportunity to redress that imbalance and hear some perspective from the state which represents such a large share of the current opportunities for a lot of our Clean Tech companies. Let me know what you think? I can send the current agenda and company list if he might be interested. Jonathan Arnold.

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From: Jonathan Arnold
To: nuria.gonzalez@cpuc.ca.gov
CC: lauren.duke@db.com
Sent: 4/10/2012 8:11:09 AM
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hi Nuria. Here's the latest agenda. We would likely move the lunch panel into a regular slot and then clear the lunch session for President Peevey to speak - potentially on either day. That would be most desirable as you'll notice we have three concurrent tracks at other times but at lunch the whole conference comes together in one room. Let me know what you think. Jonathan.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
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"Gonzalez, Nuria" <nuria.gonzalez@cpuc.ca.gov>

04/09/2012 01:12 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc
Subject RE: New York Conference Speaking Opportunity - May 14/15

Hello Jonathan,
Please send me the current agenda, and I'll be happy to check with President Peevey. Have a great day.
Regards,

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, April 09, 2012 9:40 AM
To: Gonzalez, Nuria
Cc: lauren.duke@db.com
Subject: New York Conference Speaking Opportunity - May 14/15

Good morning Nuria. You may remember I visited with President Peevey last month when I was in San Francisco and many thanks for all your help setting that up. This morning I was invited by Credit Suisse to attend a sell side breakfast meeting with him in New York on May 15th. It so happens that May 14th and May 15th are the dates for the Deutsche Bank Clean Tech, Utilities and Power Conference here in New York. We're hosting it at the Waldorf Astoria this year and in past years we've had some high profile keynote speakers - last year Carol Browner spoke, for example, as did by then former Commissioner Grueneich. I wonder whether President Peevey might be interested in speaking at our if he's planning to be in New York those

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From: Jonathan Arnold
To: nuria.gonzalez@cpuc.ca.gov
Sent: 4/13/2012 1:04:04 PM
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hi Nuria. I left you a voice mail earlier, but following up by email too. Do you have a sense of President Peevey's interest level for this? Jonathan.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
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"Gonzalez, Nuria" <nuria.gonzalez@cpuc.ca.gov>

04/09/2012 01:12 PM

To Jonathan Arnold/db/dbcom@DBAmericas
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Subject RE: New York Conference Speaking Opportunity - May 14/15

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Nuria

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From:	Tom Mandel
To:	Sandra Sanchez
CC:	Phason, Douglas
Sent:	4/16/2012 12:00:57 PM
Subject:	Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
UCM Partners, LP
52 Vanderbilt Avenue, Suite 401
New York, NY 10017
+1 (212) 612-9129 Direct
+1 (917) 716-9672 Cell
+1 (212) 425-4199 Fax
tmandel@ucmpartners.com
www.ucmpartners.com

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From: Gonzalez, Nuria
To: Jonathan Arnold
Sent: 4/18/2012 10:17:07 AM
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hello Jonathan,
Unfortunately, President Peevey will not be able to attend. He does appreciate the invitation and thanks you.

Regards,

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Friday, April 13, 2012 1:04 PM
To: Gonzalez, Nuria
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hi Nuria. I left you a voice mail earlier, but following up by email too. Do you have a sense of President Peevey's interest level for this? Jonathan.

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Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]

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To: Gonzalez, Nuria
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From: Jonathan Arnold
To: Gonzalez, Nuria
CC: Lauren Duke
Sent: 4/18/2012 11:16:06 AM
Subject: Re: New York Conference Speaking Opportunity - May 14/15

Thanks for checking and for letting me know Nuria. Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Tel: +1-212-250-3182
Mobile +1-917-207-6953
Email: jonathan.arnold@db.com

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From: "Gonzalez, Nuria" [nuria.gonzalez@cpuc.ca.gov]
Sent: 04/18/2012 10:17 AM MST
To: Jonathan Arnold
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AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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"Gonzalez, Nuria" <nuria.gonzalez@cpuc.ca.gov>

04/09/2012 01:12 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc
Subject RE: New York Conference Speaking Opportunity - May 14/15

Hello Jonathan,
Please send me the current agenda, and I'll be happy to check with President Peevey. Have a great day.
Regards,

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, April 09, 2012 9:40 AM
To: Gonzalez, Nuria
Cc: lauren.duke@db.com
Subject: New York Conference Speaking Opportunity - May 14/15

Good morning Nuria. You may remember I visited with President Peevey last month when I was in San Francisco and many thanks for all your help setting that up. This morning I was invited by Credit Suisse to attend a sell side breakfast meeting with him in New York on May 15th. It so happens that May 14th and May 15th are the dates for the Deutsche Bank Clean Tech, Utilities and Power Conference here in New York. We're hosting it at the Waldorf Astoria this year and in past years we've had some high profile keynote speakers - last year Carol Browner spoke, for example, as did by then former Commissioner Grueneich. I wonder whether President Peevey might be interested in speaking at our if he's planning to be in New York those days anyway? We are a little under-represented by California utilities this year given that the dates clash with some of their annual meetings, and it would be a great opportunity to redress that imbalance and hear some perspective from the state which represents such a large share of the current opportunities for a lot of our Clean Tech companies. Let me know what you think? I can send the current agenda and company list if he might be interested. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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From: Gonzalez, Nuria
To: Jonathan Arnold
Sent: 4/18/2012 11:18:53 AM
Subject: RE: New York Conference Speaking Opportunity - May 14/15

You are welcome. Have a great day!

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Wednesday, April 18, 2012 11:16 AM
To: Gonzalez, Nuria
Cc: Lauren Duke
Subject: Re: New York Conference Speaking Opportunity - May 14/15

Thanks for checking and for letting me know Nuria. Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Tel: +1-212-250-3182
Mobile +1-917-207-6953
Email: jonathan.arnold@db.com

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From: "Gonzalez, Nuria" [nuria.gonzalez@cpuc.ca.gov]
Sent: 04/18/2012 10:17 AM MST
To: Jonathan Arnold
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hello Jonathan,
Unfortunately, President Peevey will not be able to attend. He does appreciate the invitation and thanks you.

Regards,

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Friday, April 13, 2012 1:04 PM
To: Gonzalez, Nuria
Subject: RE: New York Conference Speaking Opportunity - May 14/15

Hi Nuria. I left you a voice mail earlier, but following up by email too. Do you have a sense of President Peevey's interest level for this? Jonathan.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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"Gonzalez, Nuria" <nuria.gonzalez@cpuc.ca.gov>

04/09/2012 01:12 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc
Subject RE: New York Conference Speaking Opportunity - May 14/15

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Regards,

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, April 09, 2012 9:40 AM
To: Gonzalez, Nuria
Cc: lauren.duke@db.com
Subject: New York Conference Speaking Opportunity - May 14/15

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Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
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AOL: Jonathan ArnoldDB
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From: Sean Gupta
To: Douglas.Phason@cpuc.ca.gov
Sent: 4/26/2012 2:49:00 PM
Subject: FW: Tim Simon

Douglas,

Hope all is well. Can you help me coordinate with the right party here? What are some days/afternoons that work for Tim to do a call with Mr. John Utendahl of Deutsche Bank in the next 1-2 weeks?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Tom Mandel
Sent: Monday, April 16, 2012 3:01 PM
To: 'Sandra Sanchez'
Cc: 'Phason, Douglas'
Subject: Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
UCM Partners, LP
52 Vanderbilt Avenue, Suite 401
New York, NY 10017
+1 (212) 612-9129 Direct
+1 (917) 716-9672 Cell
+1 (212) 425-4199 Fax
tmandel@ucmpartners.com
www.ucmpartners.com

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From: Phason, Douglas
To: Sean Gupta
CC: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Sent: 4/26/2012 5:17:53 PM
Subject: RE: Tim Simon

Hello Sean,

I trust you're doing well. I will direct your inquiry to the Commissioner's chief of staff for appropriate handling and disposition of your request. Best regards, Douglas / 415.370.1001

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Thursday, April 26, 2012 2:49 PM
To: Phason, Douglas
Subject: FW: Tim Simon

Douglas,

Hope all is well. Can you help me coordinate with the right party here? What are some days/afternoons that work for Tim to do a call with Mr. John Utendahl of Deutsche Bank in the next 1-2 weeks?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
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sean.gupta@db.com

From: Tom Mandel
Sent: Monday, April 16, 2012 3:01 PM
To: 'Sandra Sanchez'
Cc: 'Phason, Douglas'
Subject: Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
UCM Partners, LP

52 Vanderbilt Avenue, Suite 401
New York, NY 10017
+1 (212) 612-9129 Direct
+1 (917) 716-9672 Cell
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From: Lauren Duke
To: Dahlgren, Joan
CC: Khosrowjah, Sepideh
Sent: 4/27/2012 5:46:52 AM
Subject: Meeting Request

Hi Joan,

My name is Lauren Duke, and I work in equity research following electric utilities at Deutsche Bank. We are planning a trip to California to meet with the management teams from PG&E and Edison, as well as some of the other commissioners, and were hoping Commissioner Florio might also be available to meet with us. This is a trip we historically have done every year, but we did not make it out to California last year, so our last trip was in 2010. Specifically, we're looking at the morning of June 14. Is Commissioner Florio available any time that day? The meeting would be hosted by Jonathan Arnold, senior utilities research analyst at Deutsche Bank and would include several investors interested in California utilities. Thank you for your help.

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
lauren.duke@db.com

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From:	Gonzalez, Nuria
To:	Jonathan Arnold
Sent:	4/30/2012 9:53:56 AM
Subject:	RE: Investor meeting request - June 14th
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Please complete the attached form. Thanks!

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, April 30, 2012 9:44 AM
To: Gonzalez, Nuria
Cc: jonathan.arnold@db.com
Subject: Investor meeting request - June 14th

Good morning Nuria. I'm just wondering whether President Peevey might have a slot available to meet with a group of investors I'm bringing to San Francisco in June. Specifically the morning of June 14th. This would be fairly typical group of institutional investor clients of our firm that would have broad interest in utility issues. We are scheduled to meet with senior management of the utilities that same week and this is something I have done each year for the past five or so. Would you be able to help with that? Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: ( ) Party requesting conference call:
Today's date:
Docket or proceeding #
Reason for the meeting:
Industry (*please indicate with an X*) **ENERGY ( ) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X)* ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO( )
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company) - Number of attendees _____
Proposed date/time of meeting:
Contact name:
Contact phone:

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 11/10/2010

From: Jonathan Arnold
To: nuria.gonzalez@cpuc.ca.gov
CC: jonathan.arnold@db.com
Sent: 5/1/2012 6:15:17 AM
Subject: Peevey Meeting Request Form
Attachments: Peevey Meeting Request - June 2012.doc

Hi Nuria. As requested, please find attached the completed meeting request form. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: JONATHAN ARNOLD ( ) Party requesting conference call:
Today's date: MAY 1, 2012
Docket or proceeding # N/A
Reason for the meeting: INVESTMENT RESEARCH, CATCH UP ON KEY REGULATORY ISSUES FOR GROUP OF UTILITY INVESTORS
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* NO
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees **10-15 investors** **JONATHAN ARNOLD, Managing Director Equity Research, Deutsche Bank Securities, Inc.**
Proposed date/time of meeting: MORNING OF JUNE 14TH
Contact name: JONATHAN ARNOLD
Contact phone: 212-250-3182

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 5/1/2012

From: Thomas, Sarah R.
To: Jonathan Arnold; Banks, Juliane
Sent: 5/1/2012 10:05:38 AM
Subject: RE: June 14th investor visit

Hi Jonathan - I no longer work in Commr Ferron's office, but I am cc'ing his secretary, Juliane Banks. Thank you!

Sarah R. Thomas, Esq.
Legal Division
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
(415) 703-2310 (phone)
(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tue 5/1/2012 6:09 AM
To: Thomas, Sarah R.
Cc: jonathan.arnold@db.com
Subject: June 14th investor visit

Good morning Sarah. You may recall we corresponded last year regarding a meeting with Commissioner Ferron in New York which was ultimately canceled. I am now reaching out to see if Commissioner Ferron might have a window on his schedule to meet with myself and a group of our instiutional investor clients on the morning of June 14th at your offices. We are coming to California to meet with the senior management teams of the three utilities and will also be spending time at the Commission. I expect the group to be about 10-15 people and given the high level of interest in California issues among the investment community I anticipate a high quality list. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
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From: Jonathan Arnold
To: sarah.thomas@cpuc.ca.gov
CC: Banks, Juliane
Sent: 5/1/2012 3:46:29 PM
Subject: RE: June 14th investor visit

Thank you Sarah. And Juliane, please let me know if you would need any more information. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
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"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

05/01/2012 01:05 PM

To Jonathan Arnold/db/dbcom@DBAmericas, "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
cc
Subject RE: June 14th investor visit

Hi Jonathan - I no longer work in Commr Ferron's office, but I am cc'ing his secretary, Juliane Banks. Thank you!

Sarah R. Thomas, Esq.
Legal Division
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
(415) 703-2310 (phone)
(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tue 5/1/2012 6:09 AM
To: Thomas, Sarah R.
Cc: jonathan.arnold@db.com
Subject: June 14th investor visit

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a window on his schedule to meet with myself and a group of our instiutional invcstor clicnts on the morning of Junc 14th at your officcs. We are coming to California to meet with the senior management teams of the three utilities and will also be spending time at the Commission. I expect the group to be about 10-15 people and given the high level of interest in California issues among the investment community I anticipate a high quality list. Jonathan Arnold.

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AOL: Jonathan ArnoldDB
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From: Sean Gupta
To: Phason, Douglas
CC: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Sent: 5/2/2012 10:02:51 AM
Subject: RE: Tim Simon

Scott and Phyllis,

Hope all is well. My name is Sean Gupta and I am a banker here on Mr. John Utendahl's team, Vice Chairman of the Americas for Deutsche Bank.

I can help get this meeting set up. Can one of you call or email me, so we can discuss asap?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Phason, Douglas [mailto:douglas.phason@cpuc.ca.gov]
Sent: Thursday, April 26, 2012 8:18 PM
To: Sean Gupta
Cc: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Subject: RE: Tim Simon

Hello Sean,

I trust you're doing well. I will direct your inquiry to the Commissioner's chief of staff for appropriate handling and disposition of your request. Best regards, Douglas / 415.370.1001

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Thursday, April 26, 2012 2:49 PM
To: Phason, Douglas
Subject: FW: Tim Simon

Douglas,

Hope all is well. Can you help me coordinate with the right party here? What are some days/afternoons that work for Tim to do a call with Mr. John Utendahl of Deutsche Bank in the next 1-2 weeks?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Tom Mandel
Sent: Monday, April 16, 2012 3:01 PM
To: 'Sandra Sanchez'
Cc: 'Phason, Douglas'
Subject: Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
UCM Partners, LP
52 Vanderbilt Avenue, Suite 401
New York, NY 10017
+1 (212) 612-9129 Direct
+1 (917) 716-9672 Cell
+1 (212) 425-4199 Fax
tmandel@ucmpartners.com
www.ucmpartners.com

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From:	Dahlgren, Joan
To:	Lauren Duke
CC:	Florio, Michel Peter; Khosrowjah, Sepideh
Sent:	5/2/2012 10:04:39 AM
Subject:	RE: Meeting Request
Attachments:	REVISED_MEETING_REQUEST_FINAL.doc

Good morning Lauren,

Thank you for your recent email requesting a meeting with Commissioner Florio. I have reviewed your request with the Commissioner, and has informed me he can be available at 11:00 on June 14. If that is a workable time, can you kindly fill out the attached meeting request form, so that we have a formal record of this request and I can lock it into the Commissioner's calendar. Thank you.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Friday, April 27, 2012 5:47 AM
To: Dahlgren, Joan
Cc: Khosrowjah, Sepideh
Subject: Meeting Request

Hi Joan,

My name is Lauren Duke, and I work in equity research following electric utilities at Deutsche Bank. We are planning a trip to California to meet with the management teams from PG&E and Edison, as well as some of the other commissioners, and were hoping Commissioner Florio might also be available to meet with us. This is a trip we historically have done every year, but we did not make it out to California last year, so our last trip was in 2010. Specifically, we're looking at the morning of June 14. Is Commissioner Florio available any time that day? The meeting would be hosted by Jonathan Arnold, senior utilities research analyst at Deutsche Bank and would include several investors interested in California utilities. Thank you for your help.

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
lauren.duke@db.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date:
Party requesting meeting:
Docket # and Short Name:
Reason for the meeting:
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy ( ) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* ( ) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* ( ) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* ( )
Has or will a hearing be held in this matter? *Yes* ( ) *No* ( )
Attendees (name, title, company) Attach additional sheet if necessary:
Proposed date/time of meeting:
Contact name, Phone, e-mail:
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Lauren Duke
To: Dahlgren, Joan
CC: Florio, Michel Peter; Khosrowjah, Sepideh; Jonathan Arnold
Sent: 5/2/2012 10:54:35 AM
Subject: RE: Meeting Request
Attachments: REVISED_MEETING_REQUEST_FINAL.doc

Hi Joan,

Thanks! I've attached the completed meeting request form, but please let me know if you need additional information. We will send a full list of attendees at a later date once we've confirmed the group of investors who will attend – we are targeting a total group size of 10-12. 11:00AM on June 14 works for our group, so please confirm it on Commissioner Florio's calendar.

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
lauren.duke@db.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, May 02, 2012 1:05 PM
To: Lauren Duke
Cc: Florio, Michel Peter; Khosrowjah, Sepideh
Subject: RE: Meeting Request

Good morning Lauren,

Thank you for your recent email requesting a meeting with Commissioner Florio. I have reviewed your request with the Commissioner, and has informed me he can be available at 11:00 on June 14. If that is a workable time, can you kindly fill out the attached meeting request form, so that we have a formal record of this request and I can lock it into the Commissioner's calendar. Thank you.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Friday, April 27, 2012 5:47 AM
To: Dahlgren, Joan

Cc: Khosrowjah, Sepideh
Subject: Meeting Request

Hi Joan,

My name is Lauren Duke, and I work in equity research following electric utilities at Deutsche Bank. We are planning a trip to California to meet with the management teams from PG&E and Edison, as well as some of the other commissioners, and were hoping Commissioner Florio might also be available to meet with us. This is a trip we historically have done every year, but we did not make it out to California last year, so our last trip was in 2010. Specifically, we're looking at the morning of June 14. Is Commissioner Florio available any time that day? The meeting would be hosted by Jonathan Arnold, senior utilities research analyst at Deutsche Bank and would include several investors interested in California utilities. Thank you for your help.

Lauren Backor Duke
US Utilities & Power Equity Research
Deutsche Bank Securities Inc.
60 Wall Street, New York, NY 10005
Mail Stop: NYC60-1604
Tel: 212-250-8204
lauren.duke@db.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 5/2/12
Party requesting meeting: Jonathan Arnold
Docket # and Short Name: N/A
Reason for the meeting: Discuss general energy issues in the state, primarily with respect to the three large investor-owned utilities (PG&E, SCE, SDG&E/SCG).
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Jonathan Arnold, Managing Director, US Utilities & Power Equity Research, Deutsche Bank Other attendees will be utility investors interested in California – we will provide specific names at a later date
Proposed date/time of meeting: June 14 at 11:00AM
Contact name, Phone, e-mail: Jonathan Arnold, 212-250-3182, jonathan.arnold@db.com Lauren Duke, 212-250-8204, lauren.duke@db.com
---*For Internal Use Only Do Not Write in This Space*--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Mosbaugh, Scott
To: 'Sean Gupta'
CC: White, Phyllis R.
Sent: 5/2/2012 12:49:00 PM
Subject: RE: Tim Simon
Attachments: image001.gif

Hi Sean,

Let me talk to the Commissioner and see what we can work out for you. Is there and time or date which is better for Mr. Utendahl? What would Mr Utendahl like to talk to the Commissioner about?

Scott Mosbaugh
Office of Commissioner Simon
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Wednesday, May 02, 2012 10:03 AM
To: Phason, Douglas
Cc: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Subject: RE: Tim Simon

Scott and Phyllis,

Hope all is well. My name is Sean Gupta and I am a banker here on Mr. John Utendahl's team, Vice Chairman of the Americas for Deutsche Bank.

I can help get this meeting set up. Can one of you call or email me, so we can discuss asap?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Phason, Douglas [mailto:douglas.phason@cpuc.ca.gov]
Sent: Thursday, April 26, 2012 8:18 PM
To: Sean Gupta
Cc: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Subject: RE: Tim Simon

Hello Sean,

I trust you're doing well. I will direct your inquiry to the Commissioner's chief of staff for appropriate handling and disposition of your request. Best regards, Douglas / 415.370.1001

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Thursday, April 26, 2012 2:49 PM
To: Phason, Douglas
Subject: FW: Tim Simon

Douglas,

Hope all is well. Can you help me coordinate with the right party here? What are some days/afternoons that work for Tim to do a call with Mr. John Utendahl of Deutsche Bank in the next 1-2 weeks?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Tom Mandel
Sent: Monday, April 16, 2012 3:01 PM
To: 'Sandra Sanchez'
Cc: 'Phason, Douglas'
Subject: Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
UCM Partners, LP
52 Vanderbilt Avenue, Suite 401
New York, NY 10017
+1 (212) 612-9129 Direct
+1 (917) 716-9672 Cell
+1 (212) 425-4199 Fax
tmandel@ucmpartners.com

www.ucmpartners.com

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From: Sean Gupta
To: Mosbaugh, Scott
CC: White, Phyllis R.
Sent: 5/2/2012 1:27:37 PM
Subject: RE: Tim Simon

Scott,

John Utendahl and Commissioner Simon have an ongoing dialogue about ways that John can be supportive of Commissioner Simon's activities. He is hoping to discuss setting up a meeting in San Francisco or New York to make some introductions and discuss some opportunities. Douglas has been abreast of the meetings/discussions over the past three or four years and could provide additional color.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Wednesday, May 02, 2012 3:49 PM
To: Sean Gupta
Cc: White, Phyllis R.
Subject: RE: Tim Simon

Hi Sean,

Let me talk to the Commissioner and see what we can work out for you. Is there and time or date which is better for Mr. Utendahl? What would Mr Utendahl like to talk to the Commissioner about?

Scott Mosbaugh
Office of Commissioner Simon
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Wednesday, May 02, 2012 10:03 AM
To: Phason, Douglas
Cc: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Subject: RE: Tim Simon

Scott and Phyllis,

Hope all is well. My name is Sean Gupta and I am a banker here on Mr. John Utendahl's team, Vice Chairman of the Americas for Deutsche Bank.

I can help get this meeting set up. Can one of you call or email me, so we can discuss asap?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
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sean.gupta@db.com

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Subject: RE: Tim Simon

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Sent: Thursday, April 26, 2012 2:49 PM
To: Phason, Douglas
Subject: FW: Tim Simon

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Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094

sean.gupta@db.com

From: Tom Mandel
Sent: Monday, April 16, 2012 3:01 PM
To: 'Sandra Sanchez'
Cc: 'Phason, Douglas'
Subject: Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
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be regarded as such.

From: Dahlgren, Joan
To: lauren.duke@db.com
Sent: 5/7/2012 4:14:41 PM
Subject: Meeting_Request_withDeutsche_Bank_dated_05_2_12--Meeting Confirmation
Attachments: Meeting_Request_withDeutsche_Bank_dated_05_2_12.doc

State of California

Memorandum

Date: May 7, 2012

To: Lauren Duke– Deutsche Bank

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated May 2, 2012**

This will confirm that your meeting request for the above date has been set for (June 14, 2012, 11:00-12:00), (Room 5209) with (Commissioner Florio, members of Commissioner's staff). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From:	Jonathan Arnold
To:	nuria.gonzalez@cpuc.ca.gov
CC:	jonathan.arnold@db.com
Sent:	5/21/2012 11:29:50 AM
Subject:	Fw: Peevey Meeting Request Form
Attachments:	ATT9269853.gif; Peevey Meeting Request - June 2012.doc

Good afternoon Nuria. I'm just hoping to follow up on this meeting request that we submitted for June 14th. We have begun to assemble our group and are really hoping to secure a brief audience with President Peevey if it works for his schedule. Best regards. Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

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----- Forwarded by Jonathan Arnold/db/dbcom on 05/21/2012 02:27 PM -----

Jonathan Arnold/db/dbcom@DBAMERICAS

05/01/2012 09:15 AM

To nuria.gonzalez@cpuc.ca.gov
cc jonathan.arnold@db.com
Subject Peevey Meeting Request Form

Hi Nuria. As requested, please find attached the completed meeting request form. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: JONATHAN ARNOLD ( ) Party requesting conference call:
Today's date: MAY 1, 2012
Docket or proceeding # N/A
Reason for the meeting: INVESTMENT RESEARCH, CATCH UP ON KEY REGULATORY ISSUES FOR GROUP OF UTILITY INVESTORS
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* NO
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company) - Number of attendees **10-15 investors** **JONATHAN ARNOLD, Managing Director Equity Research, Deutsche Bank Securities, Inc.**
Proposed date/time of meeting: MORNING OF JUNE 14TH
Contact name: JONATHAN ARNOLD
Contact phone: 212-250-3182

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 5/1/2012

From: Jonathan Arnold
To: Banks, Juliane
CC: jonathan.arnold@db.com
Sent: 5/21/2012 11:32:00 AM
Subject: RE: June 14th investor visit
Attachments: ATT9270369.gif

Good afternoon Juliane. I'm just hoping to follow up on this meeting request for June 14th when I'm brining a select group of institutional investors who care about utility matters to California. We're hoping we might be able to spend a little time with Commissioner Ferron. Failing that, maybe one of his advisors on energy issues would have some time that day? Let me know if he would like any more information beyond what we have below. Regards, Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

05/01/2012 01:05 PM

To Jonathan Arnold/db/dbcom@DBAmericas, "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
cc
Subject RE: June 14th investor visit

Hi Jonathan - I no longer work in Commr Ferron's office, but I am cc'ing his secretary, Juliane Banks. Thank you!

Sarah R. Thomas, Esq.
Legal Division
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
(415) 703-2310 (phone)
(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tue 5/1/2012 6:09 AM
To: Thomas, Sarah R.
Cc: jonathan.arnold@db.com
Subject: June 14th investor visit

Good morning Sarah. You may recall we corresponded last year regarding a meeting with Commissioner Ferron in New York which was ultimately canceled. I am now reaching out to see if Commissioner Ferron might have a window on his schedule to meet with myself and a group of our

institutional investor clients on the morning of June 14th at your offices. We are coming to California to meet with the senior management teams of the three utilities and will also be spending time at the Commission. I expect the group to be about 10-15 people and given the high level of interest in California issues among the investment community I anticipate a high quality list. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel: +1 212 250 3182
Mobile: +1 917 207 6953
AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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From: Jonathan Arnold
To: Banks, Juliane
CC: jonathan.arnold@db.com
Sent: 5/21/2012 11:32:00 AM
Subject: RE: June 14th investor visit
Attachments: Attachment1

Good afternoon Juliane. I'm just hoping to follow up on this meeting request for June 14th when I'm brining a select group of institutional investors who care about utility matters to California. We're hoping we might be able to spend a little time with Commissioner Ferron. Failing that, maybe one of his advisors on energy issues would have some time that day? Let me know if he would like any more information beyond what we have below. Regards, Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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Mobile +1 917 207 6953
Email jonathan.arnold@db.com

"Thomas, Sarah R." <sarah.thomas@cpuc.ca.gov>

05/01/2012 01:05 PM

To Jonathan Arnold/db/dbcom@DBAmericas, "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
cc
Subject RE: June 14th investor visit

Hi Jonathan - I no longer work in Commr Ferron's office, but I am cc'ing his secretary, Juliane Banks. Thank you!

Sarah R. Thomas, Esq.
Legal Division
California Public Utilities Commission
505 Van Ness Avenue, # 5033
San Francisco, CA 94102
(415) 703-2310 (phone)
(415) 703-2262 (fax)
www.cpuc.ca.gov
sarah.thomas@cpuc.ca.gov

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tue 5/1/2012 6:09 AM
To: Thomas, Sarah R.
Cc: jonathan.arnold@db.com
Subject: June 14th investor visit

Good morning Sarah. You may recall we corresponded last year regarding a meeting with Commissioner Ferron in New York which was ultimately canceled. I am now reaching out to see if Commissioner Ferron might have a window on his schedule to meet with myself and a group of our

institutional investor clients on the morning of June 14th at your offices. We are coming to California to meet with the senior management teams of the three utilities and will also be spending time at the Commission. I expect the group to be about 10-15 people and given the high level of interest in California issues among the investment community I anticipate a high quality list. Jonathan Arnold.

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From: Jonathan Arnold
To: michelle.cooke@cpuc.ca.gov; julie.halligan@cpuc.ca.gov
CC: jonathan.arnold@db.com
Sent: 5/21/2012 11:42:54 AM
Subject: June 14th investor visit
Attachments: ATT9272296.gif

Good afternoon. By way of introduction, I am the analyst at Deustsche Bank responsible for covering the electric utilities and power sector in the U.S. I'm bringing a group of 10 or so interested institutional investors to California in mid-June and was hoping that it might be possible to arrange a brief meeting to discuss some of the key issues from the CPSD perspective. Last time I was in San Francisco I attended the natural gas hydrostatic testing symposium where PG&E updated the commissioners on its progress and we found the discussion to be extremely helpful. If either of you or a suitable colleague in CPSD who is able to talk to these and other such issues are available on June 14th would it be possible to schedule a brief meeting - maybe a half hour or so? At this stage we have confirmed an audience with Commissioner Florio and are in discussions with the offices of Commissioner Ferron and President Peevey. We also plan to visit with DRA as we typically like to hear their perspectives too. Thank you for your consideration and I hope we might be able to arrange something. Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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From: Gonzalez, Nuria
To: Jonathan Arnold
Sent: 5/21/2012 1:25:43 PM
Subject: RE: Peevey Meeting Request Form
Attachments: ATT9269853.gif

Hello Jonathan,
Unfortunately, President Peevey is not available. He suggested to meet with his staff.

Nuria

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, May 21, 2012 11:30 AM
To: Gonzalez, Nuria
Cc: jonathan.arnold@db.com
Subject: Fw: Peevey Meeting Request Form

Good afternoon Nuria. I'm just hoping to follow up on this meeting request that we submitted for June 14th. We have begun to assemble our group and are really hoping to secure a brief audience with President Peevey if it works for his schedule. Best regards. Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
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----- Forwarded by Jonathan Arnold/db/dbcom on 05/21/2012 02:27 PM -----

Jonathan Arnold/db/dbcom@DBAMERICAS

05/01/2012 09:15 AM

To nuria.gonzalez@cpuc.ca.gov
cc jonathan.arnold@db.com
Subject Peevey Meeting Request Form

Hi Nuria. As requested, please find attached the completed meeting request form. Jonathan Arnold.

Jonathan Arnold
Managing Director [/] US Utilities & Power Research
Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
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AOL: Jonathan ArnoldDB
Email: jonathan.arnold@db.com

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From: Sean Gupta
To: scott.mosbaugh@cpuc.ca.gov
Sent: 5/21/2012 5:19:50 PM
Subject: FW: Tim Simon

Scott,

Got your voicemail – how about June 22nd (I think you offered June 8th and the 22nd). Early afternoon NY time for a call? Let me know what works or feel free to send out a calendar invite.

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Wednesday, May 02, 2012 3:49 PM
To: Sean Gupta
Cc: White, Phyllis R.
Subject: RE: Tim Simon

Hi Sean,

Let me talk to the Commissioner and see what we can work out for you. Is there and time or date which is better for Mr. Utendahl? What would Mr Utendahl like to talk to the Commissioner about?

Scott Mosbaugh
Office of Commissioner Simon
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Wednesday, May 02, 2012 10:03 AM
To: Phason, Douglas
Cc: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Subject: RE: Tim Simon

Scott and Phyllis,

Hope all is well. My name is Sean Gupta and I am a banker here on Mr. John Utendahl's team, Vice Chairman of the Americas for Deutsche Bank.

I can help get this meeting set up. Can one of you call or email me, so we can discuss asap?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
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60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Phason, Douglas [mailto:douglas.phason@cpuc.ca.gov]
Sent: Thursday, April 26, 2012 8:18 PM
To: Sean Gupta
Cc: Simon, Timothy A.; White, Phyllis R.; Mosbaugh, Scott
Subject: RE: Tim Simon

Hello Sean,

I trust you're doing well. I will direct your inquiry to the Commissioner's chief of staff for appropriate handling and disposition of your request. Best regards, Douglas / 415.370.1001

From: Sean Gupta [mailto:sean.gupta@db.com]
Sent: Thursday, April 26, 2012 2:49 PM
To: Phason, Douglas
Subject: FW: Tim Simon

Douglas,

Hope all is well. Can you help me coordinate with the right party here? What are some days/afternoons that work for Tim to do a call with Mr. John Utendahl of Deutsche Bank in the next 1-2 weeks?

Thanks.

--Sean

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094

sean.gupta@db.com

From: Tom Mandel
Sent: Monday, April 16, 2012 3:01 PM
To: 'Sandra Sanchez'
Cc: 'Phason, Douglas'
Subject: Tim Simon

Sandra – John told me that you're having trouble setting up a call with Commissioner Simon. If he or his office is being unresponsive, please send an email to Douglas Phason (Douglas.Phason@cpuc.ca.gov) and tell him that you'd like his help setting up the call. He's very responsive. Please keep me posted.

Thanks,
Tom

Thomas B. Mandel, CFA
Senior Managing Director
UCM Partners, LP
52 Vanderbilt Avenue, Suite 401
New York, NY 10017
+1 (212) 612-9129 Direct
+1 (917) 716-9672 Cell
+1 (212) 425-4199 Fax
tmandel@ucmpartners.com
www.ucmpartners.com

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From: Sean Gupta
To: Mosbaugh, Scott
Sent: 5/24/2012 12:12:34 PM
Subject: RE: Phone call with Commissioner Simon

Ok. Thanks.

P. Sean Gupta
Vice President
Office of the Vice Chairman
Deutsche Bank Securities Inc.
60 Wall Street, NY, NY 10005
Phone: 212.250.8502
Cell: 917.621.7551
eFax: 646.736.7094
sean.gupta@db.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Thursday, May 24, 2012 3:11 PM
To: Sean Gupta
Cc: White, Phyllis R.
Subject: Phone call with Commissioner Simon

Hi Sean,

Since we may have an advisor joining the call as well, We're going to use our conference line for Commissioner Simon's call with John Utendahl on June 22nd. The call in number will be 886-713-1583 and the passcode will be 4130464.

Scott Mosbaugh
Office of Commissioner Simon
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

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From: Cooke, Michelle
To: 'Jonathan Arnold'; Halligan, Julie
Sent: 5/27/2012 9:16:48 PM
Subject: RE: June 14th investor visit

Jonathan- I am transitioning out of the Interim Director role and so will not be available for the proposed meeting. I do not know whether Julie is available then, but she would be the right person to be in touch with.
Thank you.

Michelle

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, May 21, 2012 11:43 AM
To: Cooke, Michelle; Halligan, Julie
Cc: jonathan.arnold@db.com
Subject: June 14th investor visit

Good afternoon. By way of introduction, I am the analyst at Deustsche Bank responsible for covering the electric utilities and power sector in the U.S. I'm bringing a group of 10 or so interested institutional investors to California in mid-June and was hoping that it might be possible to arrange a brief meeting to discuss some of the key issues from the CPSD perspective. Last time I was in San Francisco I attended the natural gas hydrostatic testing symposium where PG&E updated the commissioners on its progress and we found the discussion to be extremely helpful. If either of you or a suitable colleague in CPSD who is able to talk to these and other such issues are available on June 14th would it be possible to schedule a brief meeting - maybe a half hour or so? At this stage we have confirmed an audience with Commissioner Florio and are in discussions with the offices of Commissioner Ferron and President Peevey. We also plan to visit with DRA as we typically like to hear their perspectives too. Thank you for your consideration and I hope we might be able to arrange something. Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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From: Jonathan Arnold
To: fer@cpuc.ca.gov
CC: jonathan.arnold@db.com
Sent: 5/29/2012 2:21:32 PM
Subject: June 14th visit
Attachments: ATT10840263.gif; ATT10840264.gif; ATT10840265.jpg

Good afternoon Commissioner Ferron. You may recall that we met when I came to visit you when you had recently joined the commission. I'm writing now to see whether you might be available to meet with me and a small group of institutional investors I'm bringing to California next month. Failing that, maybe we could meet with someone on your staff? I had tried to reach your office through Sarah Thomas who had reached out to me regarding a potential meeting with you in New York, but I understand she is no longer the right contact.

In any event, our trip currently comprises meetings with senior management from Sempra, Edison and PG&E, staff from President Peevey's office, Commissioner Florio in person and the DRA. It would be great if we could add a brief session with you to our list as I think for many of the investors I'm bringing it would be a first opportunity to hear from you at first hand. We are all highly focused on the key issues on the electric and gas sides of the utility business ... such as moving forward after San Bruno, how to finance ongoing infrastructure needs, meeting renewable mandates at a reasonable cost to ratepayers, cost of capital considerations, technology developments and sales outlooks, etc.. I wonder if you might have 30 minutes or so free on the morning of June 14th to meet with our group? While our attendance is still a little in flux I'm anticipating a group of about 10 investors - all with a utilities sector focus.

I hope to be able to meet with you on this trip - and if not, on a future visit.

Regards,

Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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From: Jonathan Arnold
To: cde@cpuc.ca.gov
Sent: 5/29/2012 2:37:51 PM
Subject: June 14th visit
Attachments: ATT10843467.gif; ATT10843468.gif; ATT10843469.jpg

Good afternoon Cody. Thanks so much for your time earlier. As discussed, we had been in discussions with Nuria regarding a potential meeting with President Peevey on the morning of June 14th and she had indicated he would not be available but referred me to you and Staff. My group will comprise myself along with 10-12 institutional investors with a particular focus on utilities and a specific interest in California regulatory matters. Areas of interest would include, but are not necessarily limited to the following:

- Outlook for investment and returns in the gas infrastructure business post San Bruno
- Propsects for moving forward and resolving the ongoing pipeline proceedings
- Outlook for renewable generation in view of potential legislative changes to the 33% mandate
- Investment opportunities and returns in the electric business - potential changes to cost of capital and/or mechanisms
- General investment climate for utilities - state budgetary considerations and priorities
- Smart Grid programs - experiences to date, energy efficieny opportunities, etc.
- Implementation of AB32 and carbon pricing regime

As discussed a meeting at 9am on June 14th would work perfectly with our current meeting schedule. We're also set to meet with Commissioner Florio that morning and with the DRA, and we have a couple of other pending meeting requests. During the week we will also meet with senior management of Sempra, PG&E and Edison International.

Assuming the 9am slot still works on your end can we confirm who might be in attendance from President Peevey's staff?

Best regards,

Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

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From:	Lee, Audrey on behalf of Goldthrite, Cody
To:	jonathan.arnold@db.com; Murtishaw, Scott; Franz, Damon A.
Sent:	5/29/2012 2:51:13 PM
Subject:	Deutsche Bank Securities Inc.
Attachments:	meeting.ics

When: Thursday, June 14, 2012 9:00 AM-10:00 AM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5209

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*

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- Propsects for moving forward and resolving the ongoing pipeline proceedings
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- Investment opportunities and returns in the electric business - potential changes to cost of capital and/or mechanisms
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Assuming the 9am slot still works on your end can we confirm who might be in attendance from President Peevey's staff?

Jonathan Arnold
Managing Director | US Utilities & Power Research

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16010101T020000

METHOD
REQUEST

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

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(GMT-08.00) Pacific Time (US & Canada)

X-MICROSOFT-CDO-TZID
13

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

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Room 5209
20120614T090000
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Start Date/Time
20120614T090000

Summary
Deutsche Bank Securities Inc.

UID
040000008200E00074C5B7101A82E00800000000A0F43A7EAA3DCD01000000000000000
0100000001973388149108D4FAD8D829D8D95D30A

Attendee MAILTO:jonathan.arnold@db.com
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:scott.murtishaw@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:damon.franz@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (X-SENTBYCN="Goldthrite, Cody";SENT-BY="MAILTO)
cody.goldthrite@cpu c.ca.gov";CN="Lee, Audrey":MAILTO:audrey.lee@cpuc.ca.gov

Location
Room 5209

End Date/Time
20120614T100000

Description
As discussed, we had been in discussions with Nuria regarding a potential meeting with President Peevey on the morning of June 14th and she had indicated he would not be available but referred me to you and Sta ff. My group will comprise myself along with 10-12 institutional investors with a particular focus on utilities and a specific interest in Californi a regulatory matters. Areas of interest would include, but are not necess arily limited to the following:

* Outlook for investment and returns in the gas infrastructure business post San Bruno
* Propsects for moving fo rward and resolving the ongoing pipeline proceedings
* Outlook for renew able generation in view of potential legislative changes to the 33% mandat e
* Investment opportunities and returns in the electric business - pote ntial changes to cost of capital and/or mechanisms
* General investment climate for utilities - state budgetary considerations and priorities
* Smart Grid programs - experiences to date, energy efficieny opportunities \, etc.
* Implementation of AB32 and carbon pricing regime

As discussed a meeting at 9am on June 14th would work perfectly with our current meeti ng schedule. We're also set to meet with Commissioner Florio that morning and with the DRA, and we have a couple of other pending meeting requests. During the week we will also meet with senior management of Sempra, PG&E and Edison International.

Assuming the 9am slot still works on your e nd can we confirm who might be in attendance from President Peevey's staff ?

Jonathan Arnold
Managing Director | US Utilities & Power Rese arch

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New Yor k, NY, USA

Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

Sequence Number
0

Priority
5

Categories

CREATED
20120529T215113Z

Last Modified
20120529T215113Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
461199324

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20120529T215113Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120529T215113Z

ACTION
DISPLAY

Description
REMINDER

TRIGGER (RELATED=START)
-PT00H15M00S

From: Goldthrite, Cody
To: 'Jonathan Arnold'
Sent: 5/29/2012 2:52:35 PM
Subject: RE: June 14th visit

As of now, I have Audrey Lee, Scott Murtishaw and Damon Franz. More than likely, there will only be two advisors.

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, May 29, 2012 2:38 PM
To: Goldthrite, Cody
Subject: June 14th visit

Good afternoon Cody. Thanks so much for your time earlier. As discussed, we had been in discussions with Nuria regarding a potential meeting with President Peevey on the morning of June 14th and she had indicated he would not be available but referred me to you and Staff. My group will comprise myself along with 10-12 institutional investors with a particular focus on utilities and a specific interest in California regulatory matters. Areas of interest would include, but are not necessarily limited to the following:

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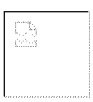
Best regards,

Jonathan Arnold.



Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

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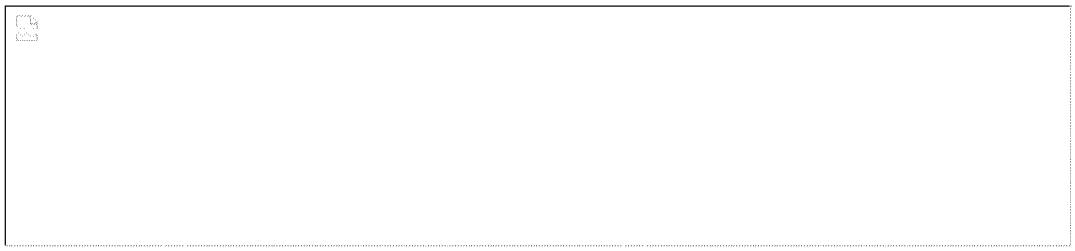

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From:	Jonathan Arnold
To:	cody.goldthrite@cpuc.ca.gov
CC:	lauren.duke@db.com
Sent:	5/29/2012 2:58:18 PM
Subject:	RE: June 14th visit
Attachments:	ATT10846926.gif; ATT10846927.gif; ATT10846928.jpg; ATT10846929.gif; ATT10846930.gif; ATT10846931.jpg

Thanks very much Cody. Appreciate the help - and have received and accepted the calendar invite. Look forward to visiting on the 14th. Jonathan.

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
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.

"Goldthrite, Cody" <cody.goldthrite@cpuc.ca.gov>

05/29/2012 05:52 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc
Subject RE: June 14th visit

As of now, I have Audrey Lee, Scott Murtishaw and Damon Franz. More than likely, there will only be two advisors.

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

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Sent: Tuesday, May 29, 2012 2:38 PM
To: Goldthrite, Cody
Subject: June 14th visit

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Best regards,

Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
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If our team is an important sell-side resource to your investment process,
please consider giving us support and recognition. Thank you!
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Click here for the DB Analyst Directory

From: Ferron, Mark J.
To: Jonathan Arnold
CC: TerKeurst, Charlotte; Banks, Juliane
Sent: 6/4/2012 1:38:27 PM
Subject: Re: June 14th visit

Hi Jonathan,

Apologies for the delay in responding: I have been traveling and only now got to your email. Sarah Thomas has returned to her position in the Legal Division, so going forward, a better contact for you to have is my chief of staff, Charlotte TerKeurst, whom I have copied on this email.

I would be happy to meet with your group and it appears that the June 14th would work for me. Could you please confirm the details with my assistant, Juliane Banks, who is also copied on this email?

While I'd be happy to discuss general matters of interest to your clients, as the assigned Commissioner on the Sempra utilities rate cases and on the Consolidated Energy Utilities Cost of Capital proceeding, I am circumscribed on answering detailed question pertaining to these proceedings.

Looking forward to seeing you.

Regards

Mark

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

On [29 May 12], at 29 May 14:21, Jonathan Arnold wrote:

Good afternoon Commissioner Ferron. You may recall that we met when I came to visit you when you had recently joined the commission. I'm writing now to see whether you might be available to meet with me and a small group of institutional investors I'm bringing to California next month. Failing that, maybe we could meet with someone on your staff? I had tried to reach your office through Sarah Thomas who had reached out to me regarding a potential meeting with you in New York, but I understand she is no longer the right contact.

In any event, our trip currently comprises meetings with senior management from Sempra, Edison and PG&E, staff from President Peevey's office, Commissioner Florio in person and the DRA. It would be great if we could add a brief session with you to our list as I think for many of the investors I'm bringing it would be a first opportunity to hear from you at first hand. We are all highly focused on the key issues on the electric and gas sides of the utility business .... such as moving forward after San Bruno, how to finance ongoing infrastructure needs, meeting renewable mandates at a reasonable cost to ratepayers, cost of capital considerations, technology developments and sales outlooks, etc.. I wonder if you might have 30 minutes or so free on the morning of June 14th to meet with our group? While our attendance is still a little in flux I'm anticipating a group of about 10 investors - all with a utilities sector focus.

I hope to be able to meet with you on this trip - and if not, on a future visit.

Regards,

Jonathan Arnold.

<Mail Attachment.gif>

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
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<Mail Attachment.gif>

<Mail Attachment.jpeg>

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From: Jonathan Arnold
To: Ferron, Mark J.
CC: TerKeurst, Charlotte; Banks, Juliane
Sent: 6/4/2012 2:19:36 PM
Subject: Re: June 14th visit

Thanks so much for your response Commissioner Ferron. We will of course respect your need to staf away from details of assigned cases. Look forward very much to discussing broader policy and topical issues.

Juliane - would 10am work perhaps? And would you be able to secure a space? We are meeting with President Peevey's Staff at 9am in Room 5209 and Commissioner Florio at 10am (also Room 5209) in case that helps you.

Jonathan Arnold.

"Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

06/04/2012 04:38 PM

To Jonathan Arnold/db/dbcom@DBAmericas
cc "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject Re: June 14th visit

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Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

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Jonathan Arnold.

<Mail Attachment.gif>

Jonathan Arnold
Managing Director | US Utilities & Power Research

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60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
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<Mail Attachment.gif>

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From:	Ferron, Mark J. on behalf of Banks, Juliane
To:	TerKeurst, Charlotte; jonathan.arnold@db.com
Sent:	6/4/2012 2:54:46 PM
Subject:	Jonathan Arnold & Small Group of Institutional Investors Meeting
Attachments:	meeting.ics; ole0.bmp; ole1.bmp

BNK 5/31/12

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, June 04, 2012 2:20 PM
To: Ferron, Mark J.
Cc: TerKeurst, Charlotte; Banks, Juliane
Subject: Re: June 14th visit

Thanks so much for your response Commissioner Ferron. We will of course respect your need to staf away from details of assigned cases. Look forward very much to discussing broader policy and topical issues.

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Jonathan Arnold.

"Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

06/04/2012 04:38 PM To

Jonathan Arnold/db/dbcom@DBAmericas

cc

"TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Banks, Juliane" <juliane.banks@cpuc.ca.gov>

Subject

Re: June 14th visit

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Regards

Mark

Begin forwarded message:

From: Jonathan Arnold <jonathan.arnold@db.com>

Subject: June 14th visit

Date: May 29, 2012 2:21:32 PM PDT

To: fer@cpuc.ca.gov

Cc: jonathan.arnold@db.com

Good afternoon Commissioner Ferron. You may recall that we met when I came to visit you when you had recently joined the commission. I'm writing now to see whether you might be available to meet with me and a small group of institutional investors I'm bringing to California next month. Failing that, maybe we could meet with someone on your staff? I had tried to reach your office through Sarah Thomas who had reached out to me regarding a potential meeting with you in New York, but I understand she is no longer the right contact.

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Regards,

Jonathan Arnold.

Untitled Attachment

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953

Email jonathan.arnold@db.com

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16010101T020000

METHOD
REQUEST

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

X-MICROSOFT-CDO-TZID
13

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Jonathan Arnold & Small Group of Institutional Investors Meeting
Room 5305
20120614T110000
CONFIRMED

DTSTAMP
20120604T215445Z

Start Date/Time
20120614T110000

Summary
Jonathan Arnold & Small Group of Institutional Investors Meeting

UID
040000008200E00074C5B7101A82E0080000000030E2C48C4C3FCD01000000000000000
010000000A71476E70485CC4CA0912ECDCFDAAFFF

Attendee MAILTO:charlotte.terkeurst@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:jonathan.arnold@db.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (X-SENTBYCN="Banks, Juliane";SENT-BY="MAILTO)
juliane.banks@cpuc.ca .gov";CN="Ferron, Mark J.":MAILTO:mark.ferron@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120614T120000

Description
BNK 5/31/12

From: Jonathan Arnold [mailto:jonathan.arnold@db .com]
Sent: Monday, June 04, 2012 2:20 PM
To: Ferron, Mark J.
Cc: T erKeurst, Charlotte; Banks, Juliane
Subject: Re: June 14th visit

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"Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
06/04/2012 04:38 PM To
Jonathan Arnold/db/dbcom@DBAmericas

cc
"TerKeurst, Cha rlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Banks, Juliane" <juliane.ban ks@cpuc.ca.gov>

Subject
Re: June 14th visit

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Regards

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From: Jonathan Arnold <jonathan.arnold@db.com>
Subject: June 14th visit
Date: May 29, 2012 2:21:32 PM PDT
To: fer@cpuc.ca.gov
Cc: j onathan.arnold@db.com

Good afternoon Commissioner Ferron. You may re call that we met when I came to visit you when you had recently joined the commission. I'm writing now to see whether you might be available to mee t with me and a small group of institutional investors I'm bringing to Cal ifornia next month. Failing that, maybe we could meet with someone on yo ur staff? I had tried to reach your office through Sarah Thomas who had r eached out to me regarding a potential meeting with you in New York, but I understand she is no longer the right contact.

In any event, our tr ip currently comprises meetings with senior management from Sempra, Ediso n and PG&E, staff from President Peevey's office, Commissioner Florio in person and the DRA. It would be great if we could add a brief session wi th you to our list as I think for many of the investors I'm bringing it wo uld be a first opportunity to hear from you at first hand. We are all hig hly focused on the key issues on the electric and gas sides of the utility business .... such as moving forward after San Bruno, how to finance ong oing infrastructure needs, meeting renewable mandates at a reasonable cos t to ratepayers, cost of capital considerations, technology developments and sales outlooks, etc.. I wonder if you might have 30 minutes or so f ree on the morning of June 14th to meet with our group? While our attenda nce is still a little in flux I'm anticipating a group of about 10 investo rs - all with a utilities sector focus.

I hope to be able to meet wi th you on this trip - and if not, on a future visit.

Regards,

Jo nathan Arnold.

<<Untitled Attachment>>

Jonathan Arnold
Managing Director | US Utili ties & Power Research

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<<Untitl ed Attachment>>

Sequence Number
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Priority
5

Categories

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20120604T215446Z

Last Modified
20120604T215446Z

Status
CONFIRMED

Time Transparency
OPAQUE

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X-MICROSOFT-CDO-INSTTYPE
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X-MICROSOFT-CDO-INTENDEDSTATUS
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Attachment
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X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120604T215445Z

Passion to Perform

From: Jonathan Arnold/db/dbcom
To: Banks, Juliane
Sent: 6/4/2012 2:56:45 PM
Subject: Accepted: Jonathan Arnold & Small Group of Institutional Investors Meeting
Attachments: c175636.ics; meeting.ics; pic17690.gif; pic18192.gif; pic21415.gif; pic25833.gif

Calendar Entry

Subject	Jonathan Arnold & Small Group of Institutional Investors Meeting		**Chair**	mark.ferron@cpuc.ca.gov
When	Date	06/14/2012	**Invitees**	
	Time	02:00 PM - 03:00 PM (1 hour)	Required (to)	charlotte.terkeurst@cpuc.ca.gov, Jonathan Arnold/db/dbcom
	This meeting occurs in a different time zone		Optional (cc)	
Where	Room 5305			
Resources	Room 5305			

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2.0

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-0800

Recurrence Rule
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Start Date/Time
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TZOFFSETTO
-0700

Recurrence Rule
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Jonathan Arnold & Small Group of Institutional Investors Meeti ng
Room 5305
20120614T110000

Start Date/Time
20120614T110000

End Date/Time
20120614T120000

Time Transparency
OPAQUE

DTSTAMP
20120604T215636Z

Sequence Number
0

Attendee mailto:jonathan.arnold@db.com
RSVP FALSE

Categories
PUBLIC

Summary
Jonathan Arnold & Small Group of Institutional Investors Meeti ng

Location
Room 5305

ORGANIZER (CN="Ferron, Mark J.")
mailto:mark.ferron@cpuc.ca.gov

UID

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16010101T020000

METHOD
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PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
GMT -0800 (Standard) / GMT -0700 (Daylight)

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
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16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
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Accepted: Jonathan Arnold & Small Group of Institutional Investors Meeting
Room 5305
20120614T110000
CONFIRMED

DTSTAMP
20120604T215636Z

Start Date/Time
20120614T110000

Summary
Accepted: Jonathan Arnold & Small Group of Institutional Investors Meeting

UID
040000008200E00074C5B7101A82E0080000000030E2C48C4C3FCD01000000000000000
010000000A71476E70485CC4CA0912ECDCFDAAFFF

Attendee **MAILTO:jonathan.arnold@db.com**
Role REQ-PARTICIPANT
RSVP FALSE

ORGANIZER (CN="Ferron, Mark J.")
MAILTO:juliane.banks@cpuc.ca.gov

Location
Room 5305

End Date/Time
20120614T120000

Sequence Number
0

Priority
5

COMMENT

Calendar Entry

□ NSubject

Jonathan Arnold & Small Group of Institutional Investors Me eting

When

Date
06/14/2012

Time
02:00 PM - 0 3:00 PM (1 hour)

This meeting occurs in a different time zone

Where

Room 5305

Resources

Room 5305

Chair \N

mark.ferron@cpuc.ca.gov

Invitees

Required (to)
charlotte.terkeurst@cpuc.ca.gov, Jonathan Arnold/db/dbcom

Opt ional (cc)

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Categories

CREATED
20120604T215645Z

Last Modified
20120604T215645Z

Status
CONFIRMED

Time Transparency
OPAQUE

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BUSY

X-MICROSOFT-CDO-INSTTYPE
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X-MICROSOFT-CDO-REPLYTIME
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X-MICROSOFT-CDO-IMPORTANCE
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X-MICROSOFT-CDO-OWNERAPPTID
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X-MICROSOFT-CDO-APPT-SEQUENCE
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X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
16010101T000000Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20120604T215636Z

From:	Jonathan Arnold
To:	mark.ferron@cpuc.ca.gov
CC:	cft@cpuc.ca.gov; juliane.banks@cpuc.ca.gov
Sent:	6/14/2012 11:04:35 PM
Subject:	Thank you ... and a report
Attachments:	06.08.12_Utilities_Regulated valuations revisited.pdf; Attachment1; Attachment2; Attachment3

Commissioner Ferron. Thank you very much for meeting with our group today - we really appreciated the discussion. As promised, I have asked my assistant to ensure that you are on our distribution list for U.S. utilities research so please let me know if you still don't receive anything from us. In the meantime, I attach the piece on regulated utility valuations that I wrote last week and mentioned today in our meeting. Thank you again. Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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Deutsche Bank
Markets Research

North America

Industrials
Utilities and Power

Industry
Electric Utilities & Power

Date
8 June 2012

Forecast Change

Regulated valuations revisited

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Updating for time value, challenging macro picture

With this update we refresh regulated utility target valuations, raising our core target multiple a half turn from 12.5x to 13.0x 2014E. This partly reflects time value (2014 is now six months closer) but also acknowledges the market's more defensive tone in response to macro fears. Utility P/Es remain elevated by any longer-term historical measure, and our 13.0x number remains a discount to current trading averages (13.9x). While the multiple is largely a function of extreme low bond yields, a clear lesson of last summer was that investors will prioritize safety over valuation when macro issues dominate.

Raising average 2014E multiple to 13x on time value and risk-off tone

We view our revision as a mid-year time value adjustment rather than a call for multiple expansion. To wit, our target remains almost a turn below the current trading average, as we continue to believe this is the wrong point in the interest rate cycle to call for further expansion of an already elevated multiple. That said, with macro risk aversion back, and bond yields making new lows, we believe it makes some sense (as it did last year) to adjust our target P/E modestly higher. Individual target changes are summarized in Figure 1.

Multiples elevated, but supported by bond yields making new lows

On 12-month forward EPS, the S&P Utilities currently sport a 14.8x multiple. This is a premium of ~15% versus the sector's own long-run average (12.7x) and a premium of 25% versus the market (11.9x). Utilities have sustained a high relative multiple for over two years now, and we believe this can continue so long as the market multiple and (more importantly) bond yields remain close to historic lows. On a yield relative basis, the average utility dividend yield of 4.3% offers support, whether or not favorable dividend tax rates get extended.

Stock selection remains focused on catalysts and dividend growth

Our regulated Buys are generally names where we see value catalysts and better than average growth – particularly of dividends. This week we added POR to our list and raised NU from Hold to Buy on a post-merger growth outlook. Other Buys on the regulated list are CMS, ITC, PCG, and (Mission overhang notwithstanding) EIX. By focusing on dividend growth potential we believe investors can achieve some protection from two key risks, 1) eventual higher interest rates and 2) an ongoing trend towards higher dividend payouts in other sectors, particularly traditional growthier areas such as tech.

Capital structure trade idea – long utility stocks, short bonds

With the utility sector call – particularly for regulateds – once again mostly a macro call, we see an interesting capital structure idea in the spread of utility dividend yields (4.3%) over investment grade utility bonds (3.5%). This spread is 82bp positive versus a long-run average of 166bp negative and close to its prior wide of 91bp from last August. Unless your world view involves major deflation we do not see utility stocks yielding more than their bonds over the long run, particularly not by almost 100bp. With a capital structure trade investors could limit downside exposure in utility stocks from a return of risk appetite generally, while dampening exposure to macro tail risks in either direction. See margin charts at right and discussion on page 6.

This report changes ratings, price targets, and/or estimates for several companies under coverage. See pages 2-3 for details.

S&P Utils 12M Forward P/E Relative to S&P 500

S&P Utils Yield vs. IG Util Bonds

Deutsche Bank Securities Inc.

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Regulated Utility Valuations Mid-Year Update

Updating for time value, challenging macro picture

With this mid-year update we are refreshing our regulated utility valuations including the regulated components of our Less Regulated or diversified coverage. In most cases we have not made material adjustments to the merchant and non-regulated businesses. At a high level our main change to raise our core target multiple for regulated utilities by a half turn from 12.5x 2014E to 13.0x. We view this primarily as a mid-year time-value update – reflecting 2014 being six months closer at hand – as opposed to a broad call for further expansion of a sector multiple which is already extended versus historical levels on both an absolute and a relative basis. That said, with macro risk aversion back on the agenda – just as it was going into last summer – and bond yields testing new lows, we believe it makes sense to adjust our P/E targets modestly higher. Our individual company target changes are highlighted in Figure 1.

Rainy day play: Favor DUK over ED, SO among go-to safety names

While we are uncomfortable recommending higher-value larger-cap regulated names (DUK, ED, SO) at current premiums, these go-to safety names may have further relative gains in a macro tail risk event (see page Figure 20). For those who are in "hide under the desk" mode, within this core regulated group we prefer DUK as reflected in our target (less downside vs. others). There is also favorable risk/reward around the ongoing PGN merger – if the deal breaks DUK may trade up on technicals, if it closes investors can look forward to a better chance of DUK earning at its allowed return level in the Carolinas.

Figure 1: Summary of Rating and Price Target Changes

	Stock Ticker	Price 6/7/12	DB Stock Rating New	DB Stock Rating Old	DB Price Target New	DB Price Target Old	DB Price Target Chg.	DB Price Target %Chg.	Target Return	Div. 2012E	Yield 2012E	Total Return
MOSTLY REGULATED												
CMS ENERGY	**CMS**	**$23.37**	**Buy**	**Buy**	**$24.00**	**$23.00**	**$1.00**	**4.3%**	**2.7%**	**0.96**	**4.1%**	**6.8%**
ITC HOLDINGS	**ITC**	**$69.86**	**Buy**	**Buy**	**$81.00**	**$80.00**	**$1.00**	**1.3%**	**15.9%**	**1.54**	**2.2%**	**18.2%**
NORTHEAST UTILITIES	**NU**	**$37.10**	**Buy**	**Buy**	**$39.00**	**$39.00**	**--**	**--**	**5.1%**	**1.32**	**3.6%**	**8.7%**
PG&E CORP	**PCG**	**$44.61**	**Buy**	**Buy**	**$48.00**	**$46.00**	**$2.00**	**4.3%**	**7.6%**	**1.82**	**4.1%**	**11.7%**
PORTLAND GENERAL ELEC.	**POR**	**$26.00**	**Buy**	**Buy**	**$27.50**	**$27.50**	**--**	**--**	**5.8%**	**1.08**	**4.1%**	**9.9%**
AMERICAN ELECTRIC POWER	AEP	$39.48	Hold	Hold	$40.00	$39.00	$1.00	2.6%	1.3%	1.90	4.8%	6.1%
DTE ENERGY	DTE	$57.59	Hold	Hold	$56.00	$53.50	$2.50	4.7%	-2.8%	2.35	4.1%	1.3%
DUKE ENERGY	DUK	$22.89	Hold	Hold	$22.00	$21.00	$1.00	4.8%	-3.9%	1.02	4.5%	0.6%
CON EDISON	ED	$61.67	Hold	Hold	$54.00	$52.00	$2.00	3.8%	-12.4%	2.42	3.9%	-8.5%
PROGRESS ENERGY	PGN	$57.53	Hold	Hold	$57.00	$55.00	$2.00	3.6%	-0.9%	2.48	4.3%	3.4%
SOUTHERN COMPANY	SO	$47.30	Hold	Hold	$44.00	$42.00	$2.00	4.8%	-7.0%	1.96	4.1%	-2.8%
XCEL ENERGY	XEL	$28.41	Hold	Hold	$28.00	$27.00	$1.00	3.7%	-1.4%	1.07	3.8%	2.3%
LESS REGULATED												
EDISON INTERNATIONAL	**EIX**	**$45.64**	**Buy**	**Buy**	**$48.50**	**$47.00**	**$1.50**	**3.2%**	**6.3%**	**1.30**	**2.8%**	**9.1%**
FIRSTENERGY	**FE**	**$47.63**	**Buy**	**Buy**	**$49.00**	**$48.00**	**$1.00**	**2.1%**	**2.9%**	**2.20**	**4.6%**	**7.5%**
DOMINION RESOURCES	D	$52.74	Hold	Hold	$51.00	$50.00	$1.00	2.0%	-3.3%	2.12	4.0%	0.7%
ENTERGY CORP.	ETR	$66.06	Hold	Hold	$68.00	$65.00	$3.00	4.6%	2.9%	3.32	5.0%	8.0%
EXELON	EXC	$38.94	Hold	Hold	$36.00	$36.00	--	--	-7.6%	2.10	5.4%	-2.2%
NEXTERA ENERGY	NEE	$66.25	Hold	Hold	$60.00	$60.00	--	--	-9.4%	2.40	3.6%	-5.8%
PPL CORP.	PPL	$27.65	Hold	Hold	$29.00	$28.50	$0.50	1.8%	4.9%	1.43	5.2%	10.1%
PSEG	PEG	$31.65	Hold	Hold	$33.00	$32.00	$1.00	3.1%	4.3%	1.42	4.5%	8.8%
TECO ENERGY	TE	$17.66	Hold	Hold	$16.50	$16.50	--	--	-6.6%	0.88	5.0%	-1.6%

Source: Deutsche Bank

CPUC05288

Figure 2: Summary of Estimates and Estimate Changes

	Stock Ticker	2012E New	2012E Old	2012E % Chg.	2013E New	2013E Old	2013E % Chg.	2014E New	2014E Old	2014E % Chg.
MOSTLY REGULATED (EPS)										
AMERICAN ELECTRIC POWER	AEP	3.15	3.15	–	3.30	3.30	–	3.45	3.45	–
CMS ENERGY	CMS	1.53	1.53	–	1.62	1.62	–	1.73	1.73	–
DTE ENERGY	DTE	3.75	3.75	–	4.00	4.00	–	4.20	4.20	–
DUKE ENERGY	DUK	1.43	1.43	–	1.48	1.48	–	1.55	1.55	–
CON EDISON	ED	3.75	3.75	–	3.85	3.85	–	3.85	3.85	–
ITC HOLDINGS	ITC	4.05	4.05	–	4.90	4.90	–	5.55	5.55	–
NORTHEAST UTILITIES	NU	2.30	2.30	–	2.55	2.55	–	2.75	2.75	–
PG&E CORP	PCG	3.20	3.20	–	3.05	3.05	–	3.50	3.50	–
PROGRESS ENERGY	PGN	3.15	3.15	–	3.20	3.20	–	3.30	3.30	–
PORTLAND GENERAL ELEC.	POR	1.93	1.93	–	1.95	1.95	–	2.05	2.05	–
SOUTHERN COMPANY	SO	2.65	2.65	–	2.80	2.80	–	2.95	2.95	–
XCEL ENERGY	XEL	1.78	1.78	–	1.90	1.90	–	2.00	2.00	–
LESS REGULATED (EPS)										
DOMINION RESOURCES	D	3.20	3.20	–	3.40	3.40	–	3.55	3.55	–
EDISON INTERNATIONAL	EIX	3.15	3.15	–	3.15	3.15	–	3.40	3.40	–
ENTERGY CORP.	ETR	5.25	5.25	–	5.15	5.15	–	5.35	5.35	–
EXELON	EXC	3.05	3.05	–	2.65	2.65	–	2.45	2.45	–
FIRSTENERGY	FE	3.40	3.40	–	3.10	3.10	–	3.30	3.30	–
NEXTERA ENERGY	NEE	4.55	4.55	–	4.95	5.05	-2.0%	5.05	5.15	-2.0%
PPL CORP.	PPL	2.30	2.30	–	2.40	2.40	–	2.15	2.15	–
PSEG	PEG	2.40	2.40	–	2.40	2.40	–	2.45	2.45	–
TECO ENERGY	TE	1.33	1.33	–	1.35	1.35	–	1.40	1.40	–

Source: Deutsche Bank

Figure 3: Company Guidance, DB Estimates and Consensus

	Stock Ticker	Company Guidance 2012E	Company Guidance 2013E	DB Estimates 2012E	DB Estimates 2013E	DB Estimates 2014E	Consensus 2012E	Consensus 2013E	Consensus 2014E	DB Vs. Consensus 2012E	DB Vs. Consensus 2013E	DB Vs. Consensus 2014E
MOSTLY REGULATED (EPS)												
AMERICAN ELECTRIC POWER	AEP	NA	NA	3.15	3.30	3.45	3.05	3.17	3.31	3%	4%	4%
CMS ENERGY	CMS	1.52 - 1.55	NA	1.53	1.62	1.73	1.54	1.64	1.73	0%	-1%	0%
CENTERPOINT ENERGY	CNP	1.08 - 1.20	NA	1.15	1.25	1.31	1.14	1.22	1.29	1%	3%	1%
DTE ENERGY	DTE	3.65 - 3.95	NA	3.75	4.00	4.20	3.77	3.99	4.19	-1%	0%	0%
DUKE ENERGY	DUK	1.40 - 1.45	NA	1.43	1.48	1.55	1.43	1.49	1.58	0%	-1%	-2%
CON EDISON	ED	3.65 - 3.85	NA	3.75	3.85	3.85	3.74	3.85	3.92	0%	0%	-2%
ITC HOLDINGS	ITC	3.90 - 4.05	NA	4.05	4.90	5.55	4.02	4.88	5.67	1%	0%	-2%
NORTHEAST UTILITIES	NU	NA	NA	2.30	2.55	2.75	2.35	2.56	2.71	-2%	0%	1%
PG&E CORP	PCG	3.10 - 3.30	NA	3.20	3.05	3.50	3.20	3.10	3.46	0%	-2%	1%
PROGRESS ENERGY	PGN	3.10 - 3.25	NA	3.15	3.20	3.30	3.17	3.30	3.34	-1%	-3%	-1%
PORTLAND GENERAL ELEC.	POR	1.85 - 2.00	NA	1.93	1.95	2.05	1.90	1.92	2.04	2%	2%	0%
SOUTHERN COMPANY	SO	2.58 - 2.70	NA	2.65	2.80	2.95	2.65	2.81	2.98	0%	0%	-1%
XCEL ENERGY	XEL	1.75 - 1.85	NA	1.78	1.90	2.00	1.78	1.89	1.97	0%	1%	1%
LESS REGULATED (EPS)												
DOMINION RESOURCES	D	3.10 - 3.35	NA	3.20	3.40	3.55	3.20	3.43	3.57	0%	-1%	0%
EDISON INTERNATIONAL	EIX	NA	NA	3.15	3.15	3.40	2.44	2.62	3.26	29%	20%	4%
ENTERGY CORP.	ETR	4.85 - 5.65	NA	5.25	5.15	5.35	5.29	5.34	5.42	-1%	-3%	-1%
EXELON	EXC	2.55 - 2.85	NA	3.05	2.65	2.45	3.01	2.93	2.84	1%	-9%	-14%
FIRSTENERGY	FE	3.30 - 3.60	3.10 - 3.40	3.40	3.10	3.30	3.40	3.22	3.43	0%	-4%	-4%
NEXTERA ENERGY	NEE	4.35 - 4.65	NA	4.55	5.05	5.15	4.52	4.94	5.16	1%	2%	0%
PPL CORP.	PPL	2.15 - 2.45	NA	2.30	2.40	2.15	2.31	2.40	2.10	0%	0%	2%
PSEG	PEG	2.25 - 2.50	NA	2.40	2.40	2.45	2.40	2.43	2.45	0%	-1%	0%
TECO ENERGY	TE	1.30 - 1.40	NA	1.33	1.35	1.40	1.34	1.40	1.48	-1%	-4%	-5%

Source: Deutsche Bank and FactSet

CPUC05289

Raising our target regulated multiple to 13.0x 2014E

As highlighted on page 1, we are raising our core target multiple for regulated utilities from 12.5x to 13.0x. This mostly reflects an additional six months of time value (2014 is now closer at hand) and we also implicitly capture some – but not all – of the relative multiple expansion seen in the group in its recent defensive rally versus the market.

One year on, a familiar story, but this time at even lower bond yields

Investors continue to chase utility valuations higher against backdrop of record low bond yields and falling market multiple

Close students of our written work might perhaps notice that we wrote a very similar piece at mid-year stage last year. Circumstances were uncannily similar with utilities having started to outperform an increasingly skittish market despite what were already extended relative P/E valuations. Then, as now, one of the primary drivers for the group was the risk-off trade and bond yields falling to new lows. Looking back to our report from last June we raised our target regulated multiple – at the time on 2013E rather than 2014E today – from 12.0x to 12.5x. Back then the S&P Utilities were trading at 13.3x on 12-month forward estimates or a 9% premium to the market at 12.1x. Utility forward dividend yields were 4.4% versus a 10-year bond yield of 2.9% and the pre-tax yield spread of 150-160bp was around 200bp wider than a more typical 50bp historical negative spread. Fast forward to today and the S&P utilities trade at a multiple of 14.8x next 12-month earnings, a full turn higher than a year ago and a premium of 25% to the broader market at a lower multiple of 11.9x. Meanwhile, the average utility dividend yield is only slightly lower (4.3%) but the spread over 10-year Treasuries yielding just 1.6% has grown to 260bps – as wide as it's been in recent memory.

Despite two years of premium valuations we still don't see a "new normal"

While we still wouldn't call for a new normal – we do believe utilities can sustain high relative valuations while bond yields remain low

We think it is important to acknowledge that utilities have now sustained high relative valuations for at least the past two years. Clearly this begs the question whether we have found a "new normal" of premium values for utility stocks versus the broader stock market. Factors such as demographics and the growing enthusiasm for yield among investors put forward a persuasive argument that this is indeed the case. From where we sit, however, we continue to view the current utility multiple mainly as a function of bond yields. And, to the extent that you believe yields eventually will move higher, we would be reluctant to get caught too overweight the most defensive utility names trading at the most pronounced premiums versus a group which is itself at or around at least a 25-year relative high. Given this view, we see an interesting capital structure arbitrage opportunity in utility stocks versus utility bonds (see page 7).

What worked in last summer's macro risk-off period? Large-cap regulated

Lessons from 2011 ... when macro risk dominates own large-cap regulated and don't worry too much about the valuations

Looking back to last year, utilities enjoyed by far their best annual performance versus the market in recent memory (+15% outperformance). Some of this came in the last couple of trading sessions of the year for sure – likely in large part due to window dressing – but the real sustained outperformance came from mid-April through early October when the S&P Utilities gained 4% against a 17% drop in the market (23% outperformance). While this outperformance was broad-based it was concentrated in the regulated group and particularly in the core larger-cap regulated names such as ED, SO, DUK and merger partner PGN. The best performer from our coverage over that period was in fact FE, although that largely reflected a post-merger upside surprise analyst meeting. Next strongest was D, a name we typically bracket with our Less Regulated coverage given its still-sizable merchant power segment, but which clearly acted more defensively last summer and could easily do so again.

CPUC05290

DB Regulated Buys

CMS Energy (CMS): Raising PT from $23 to $24

We continue to view CMS as an attractive, relatively low risk regulated utility with a solid growth outlook (5%-7%). In our view, Michigan remains a constructive regulatory environment, with forward test years and file-and-implement rates allowed under the state's 2008 energy legislation. We are also confident that CMS can deliver on its growth outlook even in the event of a weakening economic scenario given management's strong execution track record and the utility's ability to file frequent rate cases to keep rates matched with costs and sales outlooks. We believe CMS remains an attractive value relative to larger-cap defensive peers, with a comparable dividend yield after a sizable increase earlier this year.

Edison International (EIX): Raising PT from $47 to $48.50

We view EIX as a regulated value play, with the regulated electric utility (Southern California Edison) contributing all of the value to our price target. We continue to expect the utility to grow at a rate higher than most peers given strong infrastructure investment needs in the state. We also see the potential for more meaningful dividend growth, potentially as early as late 2013, after capital spending at the utility peaks. We continue to expect clarity on EIX's plans for Edison Mission, its ring-fenced merchant generation subsidiary, by the end of 3Q12, which we believe will ease at least some of the overhang on the stock from the lingering uncertainty associated with that segment.

ITC Holdings (ITC): Raising PT from $80 to $81

We continue to expect ITC to deliver LT EPS CAGR of ~16% through 2016 that is nearly four times as fast as the regulated average driven by investments in new transmission. This should allow the company to also deliver above average DPS growth; we estimate ~11% through 2016. However, due to current concerns about the stability of FERC transmission ROEs, ITC is currently trading at a 9% discount to peers and pricing in a more than 200 basis point reduction in its base transmission ROE, an outcome we view as improbable and certainly unlikely to happen in the near-term given no existing challenge at FERC to ITC's ROEs. We also see the potential for additional upside should ITC succeed in its transaction with ETR, although this will largely depend on what conditions are required to secure regulatory approvals.

Northeast Utilities (NU): Upgraded to Buy; $39 PT

We believe NU is well positioned post-merger to deliver above average EPS CAGR of ~8% through 2016 off a 2012 base driven by investments in new transmission and realization of merger synergies. Coupled with a below average payout ratio, we would also expect NU to deliver above average DPS growth, which we estimate at 7% per year. Similar to ITC, we believe NU is pricing in a more than 200 basis point reduction to its transmission ROE. While the company is clearly facing heightened risk on this front given the current challenge to New England base transmission owner ROE, we believe it would be unlikely for NU's ROE to be reduced by 200 bps and see an opportunity at current levels with NU trading at a 2% discount to peers on 2014.

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Portland General Elec. (POR): Initiated at Buy

We rate POR a Buy, as we believe it has substantial growth investment opportunities in the coming years that could drive above-average EPS growth. We see potential positive catalysts over the next 6-12 months as the requests for proposals (RFPs) for new generation are approved by the Oregon PUC and winning projects are identified. We also expect progress on the Cascade Crossing transmission line, including a potential agreement with the Bonneville Power Administration (BPA). We see compound EPS growth potential of 7%-8% depending on POR's ability to own the winning projects from these RFPs. In the event that expected earnings growth from these projects does not materialize, we believe POR has flexibility to raise its dividend meaningfully, since the current payout ratio is at the low end of the company's targeted range.

PG&E Corp. (PCG): Raising PT from $46 to $48

We continue to see positive momentum in PCG's turnaround story, as the ongoing pipeline-related proceedings in California progress toward a resolution later this year or early next. In particular, we believe parties are looking to settle the current proceedings, which we believe would be a positive catalyst for the stock. A settlement would finally bring clarity to the ultimate costs associated with the 2010 San Bruno pipeline accident and provide PCG with the ability to move forward and outline new growth plans and provide some sort of longer-term outlook. On the settlement potential, as we have noted in the past, we believe key parties would like to see the cases resolved prior to the two-year anniversary of the San Bruno accident (September 9, 2012).

Capital structure trade idea – long utility stocks, short bonds

As a bond proxy sector the regulated utility call often feels like a macro call; now more than ever

One frustration for utility investors ever since the 2008 financial crisis has been that the sector call often seems to be primarily a function of the macro view. This is particularly the case for the more defensive regulated names which have clearly been bid up to unprecedented relative values in large part on their bond proxy status and the lack of decent income alternatives. Company fundamentals mattered briefly again in the early part of 2012, with value stocks doing better as macro fears subsided. This ended abruptly of course as European woes returned and economic data lost momentum.

Interesting capital structure trade opportunity with utility dividend yield spread over corporate bonds very close to a historic wide

In the spirit of hedging out macro risk we do see an interesting capital structure trade theme to be long regulated utility stocks versus a short position in their bonds. This is best illustrated in Figure 12 which shows the utility dividend yield spread versus the iBoxx investment grade utility bond index yield. This spread is currently 82bps positive versus a long-run average of 166bps negative. Looking back over our historical data to the mid-90s the spread has only once been lower (91bps) but that was last August, at which point the trade worked quite well – albeit briefly. Intuitively, however, unless your macro view involves something like a major deflationary episode, it makes no sense in the long-run for dividend yields on utility stocks to be higher than their bond yields, in any event not by almost 100bps. One aspect of this trade we particularly like is that it reduces exposure to macro tail risk, either on the upside or downside. In a Risk-On environment we would expect to profit on the short bond position while utility stocks at worst trade sideways and maybe higher, albeit less than the market. Our trade likely does less well in a major Risk-Off episode, although we imagine utility stocks trade sideways to down (but much less than the market) while compression in benchmark Treasury yields would likely be offset by widening corporate spreads. Largely for this reason – essentially the fact that Treasuries are apt to be used as the safest port in a major storm – we like this trade more versus corporate bonds despite the fact that the dividend yield spread over 10-Year Treasury bonds is at an all-time wide (Figure 13).

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Valuation Update

Still expensive on earnings versus the market …

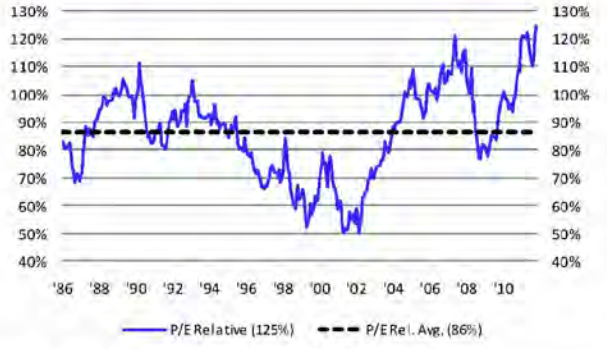
We last discussed utility valuations in detail in the context of our 2012 Outlook report at the end of last year. Since then the group initially saw the relative P/E drop fairly sharply from the 120% range to 110%, only to rebound more recently to a new 25-year high with the market weakness and return of macro fears with the combined headline risk out of Europe and evidence of a stalling domestic economic recovery. On a relative basis this has essentially brought us back to where we were last summer with the 12-month forward P/E relative on the S&P Utilities trading at a premium north of 20% versus the long-run average discount of 14% (Figure 5). This level has proved to be a high point twice before in the past five years, once in January 2008 (121%) and then again in December of 2011 (122%).

If we focus on the absolute numbers (Figure 4) instead of the relative, it is striking to note that utilities are now trading at 14.8x 12-month forward earnings which is a premium of 17% versus their own long-run average (12.7x) and not far shy of the long-run average for the market (15.2x). In the meantime the market clearly presents something of a mirror image, trading at 11.9x which is a discount of more than 20% to its long-run average and about a turn below where utilities have historically traded. More simply put, utilities are valued closer to their historic highs, while the market is valued not far off its historic lows. Unless we are poised to see negligible economic growth and rock-bottom interest rates indefinitely, this hardly looks like a great long-term risk/reward set-up for utilities in the broader market context.

Figure 4: S&P Utils and S&P 500 12M Forward P/E

Source: Factset and DB Research

Figure 5: S&P Utils 12M Forward P/E Relative



Source: Factset and DB Research

What level of S&P earnings would normalize utility relative values?

Clearly one part of the utility relative value equation which could be most subject to uncertainty is the "E" on the market given the strong gains seen over the past couple of years and the recent stall in key economic data points. For sure, utility estimates could also be subject to revision – although on a one-year forward basis we believe the scope for utility earnings "misses" is much lower than for the market at large. Suffice to say, however, for the P/E relative to normalize at a long-run (25-year) average 14% discount, then the S&P 500 multiple would need to be 17x implying EPS downside to around $77 versus current bottom-up estimates of $106 for 2012 and $118 for 2013.

S&P 500 earnings would need to be sub-$80/sh to normalize utility valuations versus long-run average

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Focusing on a more current (5-year) average utilities have traded on average at around P/E parity with the market. Getting to parity from current levels would imply a market EPS of $90 or a little below the 2010 actual level – not entirely inconceivable, but again a fairly dramatic cut versus even DB equity strategy's top-down $105 for 2012 and $108 for 2013.

Revisiting case for an adjusted P/E relative excluding 1997-2002

Excluding 1997-2002 still makes some sense, but only narrows the average discount to 7% from 15%

As we have argued before, looking back at our 25-year history valuation charts, it's worth noting that utilities traded at their greatest relative discount in the five-year period from 1997-2002 when market multiples were peaking in the dotcom boom, while the utilities faced uniquely challenging times in the shape of the California energy crisis, Enron's bankruptcy and the subsequent merchant power market bust and tightening of credit standards. In many ways this period was the power sector's "2008 moment" and it happened to occur at a time of much higher P/Es in the broader market. Pulling out the 1997-2002 period from our relative value analysis we calculate a long-run utility relative multiple closer to a 7% discount versus the 15% discount including all years.

Short-run history vs. long-run … same average multiple, higher relative

Focusing on recent history (since 2008) utilities have averaged 12.7x and parity versus the broader market

Similarly, we could confine our analysis only to the more recent history (since 2008) to better approximate a period of lower rates and lower growth expectations – appropriate perhaps for the moment given the sluggish pace of economic recovery. Intriguingly, in this case the average S&P Utilities P/E is still 12.7x – i.e. no different from the long-run average – but the average market P/E is about the same and the utility relative is around parity. Either way we choose to normalize the analysis, however, it is hard not to view utilities as expensive on earnings trading at a ~25% premium to the current market.

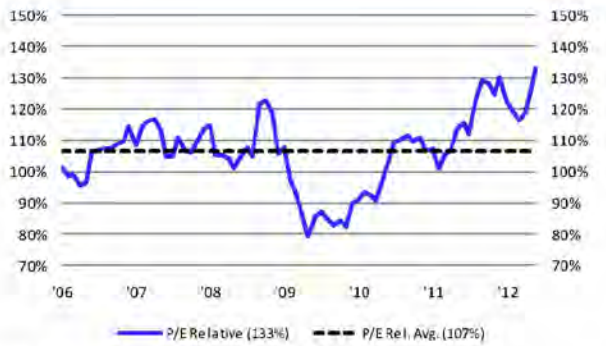
Regulateds only … higher P/E, higher premium, same conclusion

In the charts below we focus on a shorter-term average (since 2006) for Regulated utilities only. While the numbers are slightly different – Regulateds are trading at an even higher premium than the broader sector given lower near-term multiples on the Less Regulated group which is still carrying above-market commodity hedges in their 2012 and 2013 numbers. For reference, however, while we show Less Regulateds on average trading at a premium over Regulateds in 2012 and 2013, by 2014 which is our current base valuation year, the average multiples for the two groups are more or less at parity as shown in our valuation comp sheet on page 17.

Figure 6: Regulated Utils 12M Forward P/E vs. S&P 500

Source: FactSet, and DB Research
Regulated Utilities: SO, DUK, AEP, PCG, ED, PGN, XEL, DTE, CNP, WEC, NU, NI, CMS, PNW and SCG

Figure 7: Regulated Utils 12M Forward P/E Relative



Source: FactSet and DB Research
Regulated Utilities: SO, DUK, AEP, PCG, ED, PGN, XEL, DTE, CNP, WEC, NU, NI, CMS, PNW and SCG

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But inexpensive as ever on relative yield versus bonds

With yields falling again, utilities look as inexpensive as ever on relative yield

While utility P/E valuations are flirting with their long-run highs, utilities continue to appear well supported on any kind of yield relative analysis versus bonds. We show our customary charts starting with Figure 10 which highlights the continued slide in 10-Year Treasury yields to well under 2%, the more gradual slide in investment grade utility bond yields below 4% and the much more stable average utility dividend yield which is hovering around 4.3%. This has taken the pre-tax yield spread versus the 10-Year to a new low (Figure 11) and to a wider level than we saw either post-Enron (2001-2002) or post-Lehman (2008-2009).

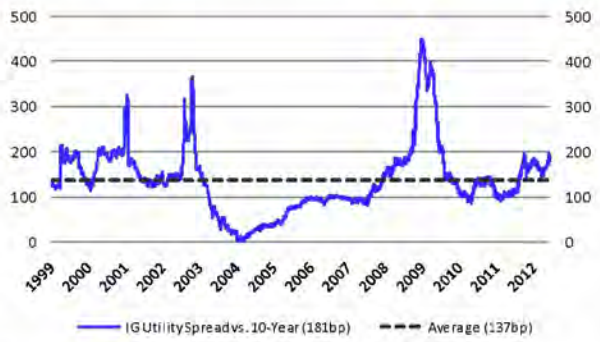
Dividend yield spread over 10-Yr Treasury at new wide; utility equities now yield almost 100bps more than equivalent investment grade utility bonds

Case for a capital structure trade (long utility stocks, short utility bonds)

Versus investment grade utility bonds the average utility dividend yield spread is essentially back to a low seen in August of last year (Figure 12). Worth noting here might be that while dividend yields first dropped below the equivalent utility corporate bond yields in mid-2010, the current spread is now approaching 100bps pre-tax, making for a particularly compelling case either to own the stocks, short the bonds, and maybe both for those able to put on the capital structure trade and minimize tail risk from major macro developments (either good or bad).

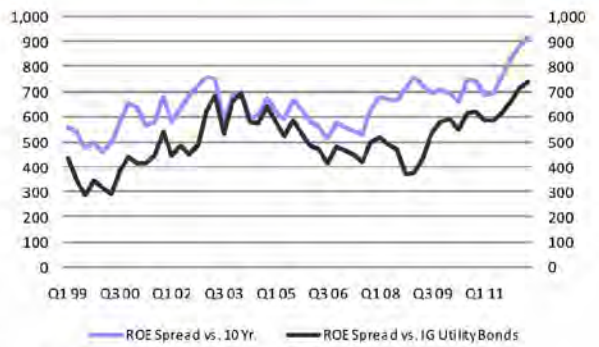
With dividend yields almost 100bps over corporate bonds a capital structure trade looks interesting here

Figure 8: IG Utility Bond Spreads vs. 10-Year



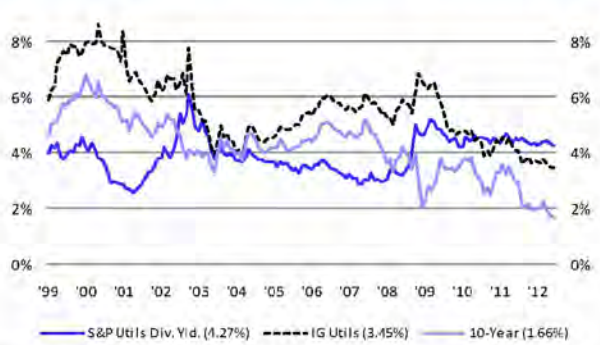
Source: Deutsche Bank, Factset

Figure 9: Electric ROE Spreads vs. Market Yields



Source: Deutsche Bank, SNL Financial and FactSet

Figure 10: S&P Utils Yield vs. IG Util Bonds & 10 Year



Source: Factset and DB Research

Figure 11: S&P Utilities Yield vs. 10 Year Treasury

Source: Factset and DB Research

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Figure 12: S&P Utils Yield vs. IG Util Bonds

Source: Deutsche Bank, Factset

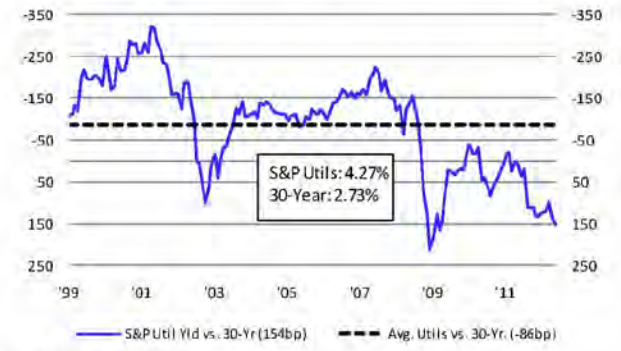

Figure 13: S&P Utilities Yield vs. 30 Year Treasury

Source: Deutsche Bank, Factset

Even tax-adjusted stocks look inexpensive versus bonds on historical spreads

Investors and in particular utility investors are increasingly beginning to focus on the question of whether dividends and/or capital gains continue to see favorable tax treatment beyond the scheduled sunset of the Bush-era tax cuts at the end of 2012. The utilities industry is lobbying hard on this front primarily under a campaign heading of "Defend My Dividend". Clearly the least desirable outcome would be for tax rates on dividends to rise if capital gains rates were to stay low. Based on our analysis shown in Figure 14 and Figure 15 below, at current super-low bond yields there is some headroom for dividend tax rates to increase without eliminating the significant after-tax yield spread of utility stocks over either Treasury or corporate bonds.

Dividend tax issue looming – a key risk issue for regulated names

The above said, we would certainly expect some negative repercussions for utility valuations in the event that dividend taxes end up jumping to the full marginal 39.6% rate (43.4% including the 3.8% Medicare tax on investment income beginning in 2013 for households earning over $250,000). Exactly how much the hit to valuation might be is difficult to say with any precision. Based on simple math, however, the average utility stock trades at 14.8x 12M forward earnings and pays a pre-tax yield of 4.27% implying an average dividend payout ratio around 63%. At the current 15% dividend tax rate the effective after-tax yield is 3.6%. Maintaining this same level of after-tax yield given a 39.6% tax rate would require a near-30% lower stock price and an implied P/E in the mid-10x range all else equal. This simple analysis clearly overstates the actual risk to valuations, however, given several factors, most notably in our view that facts that 1) not all utility investors – particularly institutions – benefit from the 15% rate; 2) the stock market is presumably already pricing in some risk of higher dividend taxes; and 3) the high level of investor appetite for yield and lack of alternatives with similar lower-risk profiles (see comments above about corporate bond yields). It also seems improbable given the political environment that dividend tax rates would move all the way up to ordinary income rates in one step. We would discourage investors from becoming too complacent over this issue, however, as it is interesting to note that a mid-10x multiple would simply bring utilities back in line with their long-run relative valuation of a 15% discount P/E multiple versus the broader market.

On paper utility stocks would need to drop ~30% to keep after-tax dividend yields at current levels; in practice the impact would likely be less

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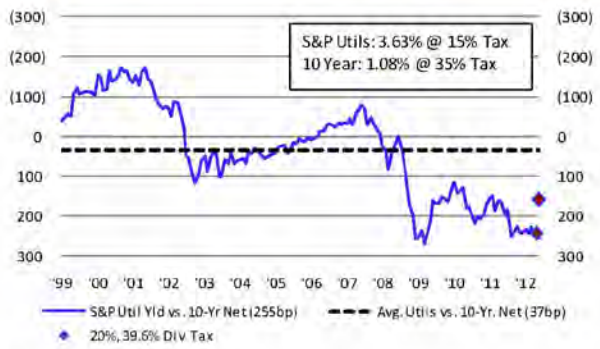
Figure 14: S&P Utilities After-Tax Yield vs. 10-Yr Treasury



Source: Deutsche Bank and FactSet

Figure 15: S&P Utilities After-Tax Yield vs. IG Utility Bonds

Source: Deutsche Bank and FactSet

Rising market dividend yield remains a key headwind to watch

While our discussion above focused primarily on yields relative to fixed income alternatives, an issue we are continuing to watch with interest is the upward creep in yields on the broader market. This has been fueled in part by weak stock prices, but more significantly by the increasing number of companies in other sectors – notably technology companies with significant cash flow – which are either including dividends in their investor value propositions for the first time, reinstating dividends or stepping up payouts to a higher level. As shown in Figure 16 and Figure 17, with the 12-month forward yield on the market now at 2.7%, utilities now offer a spread of only ~155bps over the average stock versus a long-run average of ~240bps. When we consider that the market average includes a decent number of companies with no dividend the spread versus the average dividend paying stock is likely somewhat narrower. As we continue to consider this valuation question we also wonder how many Boards outside of the utilities sector might consider instituting or raising their dividends if they had longer-term visibility on fiscal policy towards dividends. In other words, could there be a pent up dividend effect that might be unleashed by an extension of the favorable tax rate – which after the initial euphoria might leave utilities looking yet less competitive on yield versus other stocks. This would indeed be a clear case of "careful what you wish for" and likely thinking at least one step too far ahead for the average investment horizon. That said, with relative valuations as high as they are in large part due to low interest rates (i.e. yields) we believe investors should at least be thinking such risks.

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Figure 16: S&P Utils Div. Yield vs. S&P 500 Yield

Source: Deutsche Bank, Factset

Figure 17: S&P Utils Div. Yield vs. S&P 500 Spread

Source: Deutsche Bank, Factset

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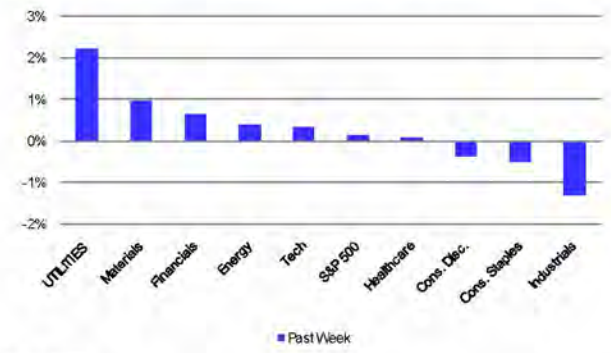
2012 Performance Update

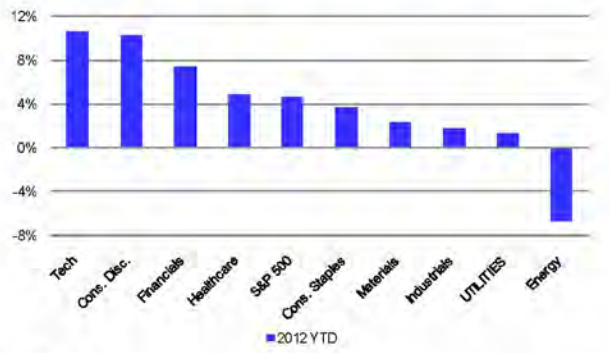
Utilities got off to a poor start in 2012, but then saw their relative performance turn around mid-March as macro fears out of Europe returned to the forefront followed by deterioration in the tone of domestic economic data. At one point the sector had lagged by around 16%, essentially giving up all of its calendar year 2011 outperformance (15%). Where we stand today utilities are about flat on the year Figure 19 and have lagged the market by around 4% with only Energy ranking lower on the year-to-date performance. This said utilities have had some strong weeks lately and there are uncanny similarities with last year's relative performance which also started out week (although less so) before turning when macro fears began to dominate in Q2 and then outperforming by around 15% over the course of the summer as a safe port in the macro storm.

Figure 18: S&P Sector Performance – Past Week



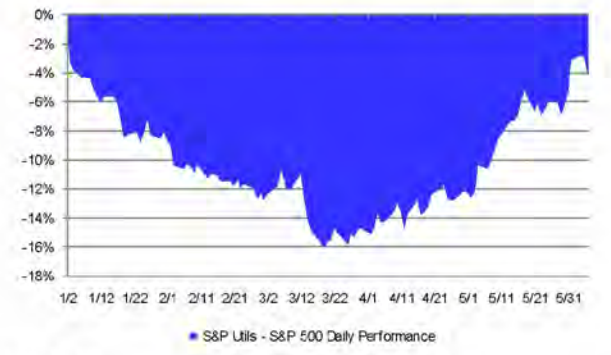
Source: FactSet

Figure 19: S&P Sector Performance – 2012 YTD



Source: FactSet

Figure 20: S&P Utils vs. S&P 500 Daily Perf. (2012 YTD)



Source: FactSet

Figure 21: S&P Utils vs. S&P 500 Daily Perf. (2011)

Source: FactSet

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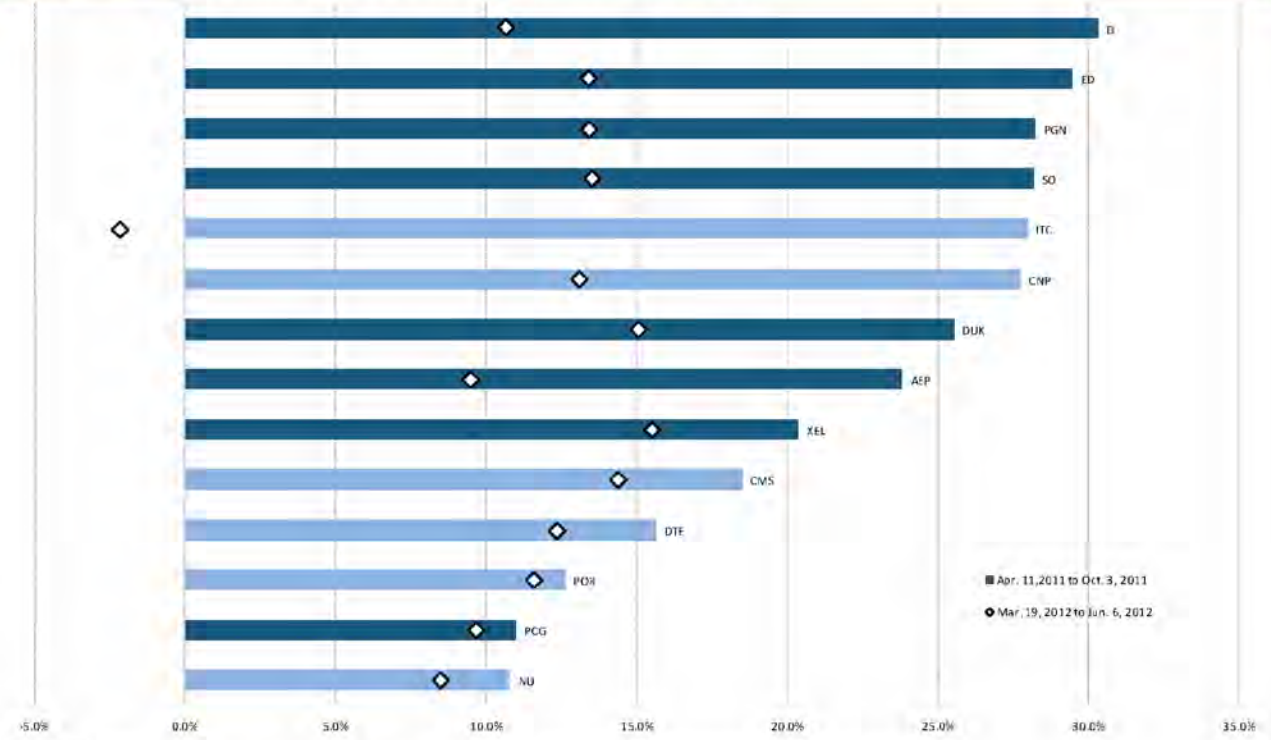
What worked in last year's Risk-off trade

Highlighting this we are including two charts to highlight the relative performance of our regulated coverage in recent periods of significant divergent relative performance for the overall utilities sector (Figure 22 and Figure 23). The blue bars in Figure 22 show a performance ranking for last year's Risk-Off trade which we define as the start of the utility sector relative rally in early April through the sector relative peak in early October. We have highlighted larger-cap names in darker blue to show their relative strength at times when investors were clearly looking for safety at any price. The super-imposed diamonds show relative performance versus the market since the sector began to rally from mid-March. At the very least this might give investors some kind of a reference point as to which utilities delivered the best defensive performance in last year's market sell-off and how this year's relative rally stacks up against last year. Figure 23 looks at the same group of names and shows their relative performance versus the market – generally underperformance – in the Risk-On period which we define as having started when the utility relative peaked last October through the recent bottom in March.

Figure 22: Regulated utilities risk-off relative performance – 2012 vs. 2011



Source: FactSet
Note: Dark Blue Shade = Regulated companies with market cap more than $13bn; Light blue shade = Regulated companies with market cap. less than $13bn

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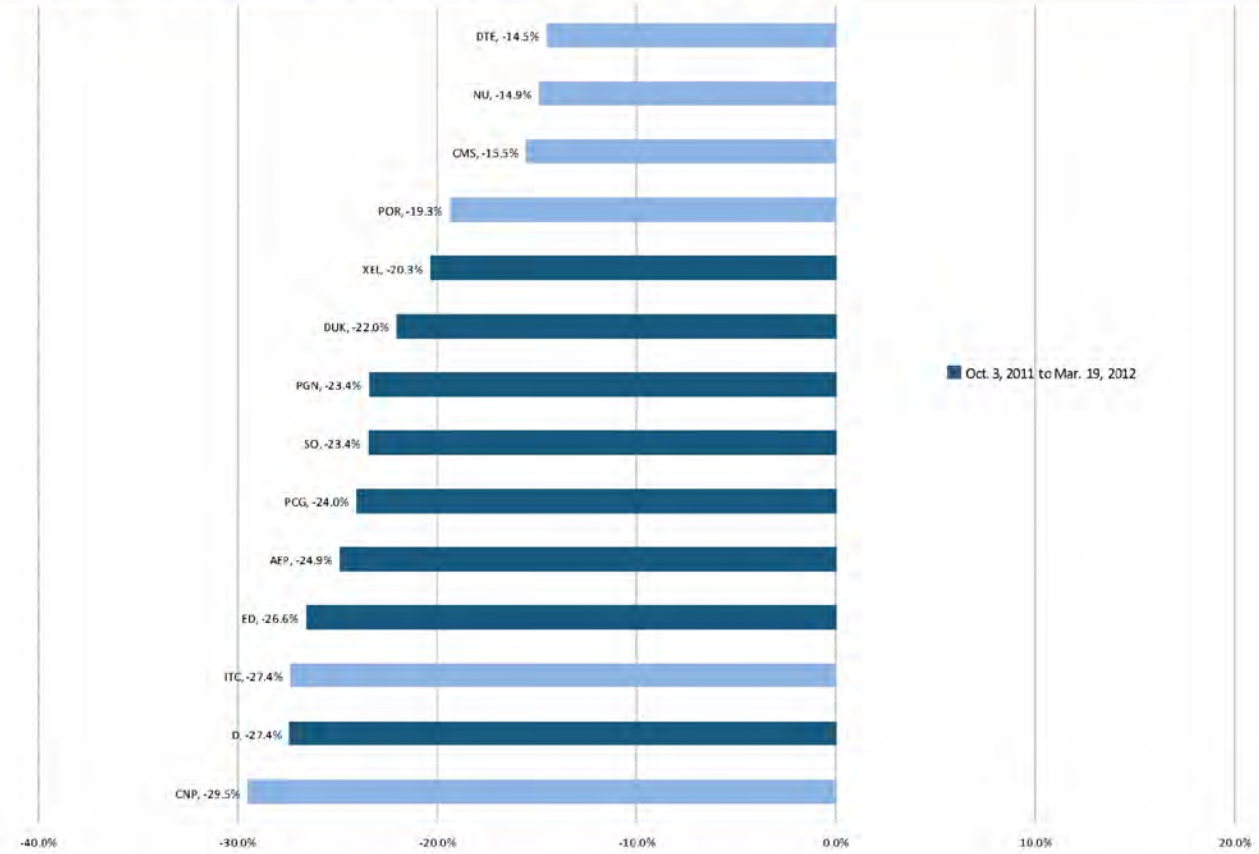
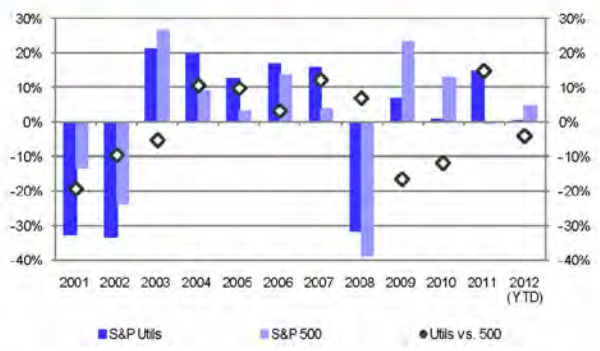
Figure 23: Regulated utilities risk-on relative performance – Oct '11 to Mar '12



Source: FactSet
Note: Dark Blue Shade = Regulated companies with market cap more than $13bn; Light blue shade = Regulated companies with market cap. less than $13bn

Figure 24: S&P Utilities vs. S&P 500 Annual (2001-12)



Source: Deutsche Bank, Factset

Figure 25: S&P Utils Perf. vs. 10-Yr Treasury Yield

Source: Deutsche Bank, Factset

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Figure 26: DBUSUTRG vs. DBUSUTNR

Source: Deutsche Bank, Factset

Figure 27: DBUSUTRG vs. S&P 500

Source: Deutsche Bank, Factset

CPUC05302

Figure 28: DB Utilities & Power Comparative Valuation Sheet (1)

DEUTSCHE BANK SECURITIES	Basic	Price	DB	DB Price Target			52 Week		Shs (MM)	M. Cap.	EPS				P/E				DPS		Div. Yield		Payout Ratio	
UTILITIES & POWER	Ticker	6/7/12	Rating	Target	Return	TSR '12	Low	High		($Mn.)	2011	2012	2013	2014	2011	2012	2013	2014	2012	2013	2012	2013	2012	2013
MOSTLY REGULATED																								
AMERICAN ELECTRIC POWER	AEP	$39.48	Hold	$38.00	-1.2%	3.8%	$33.91	$41.65	484	19,121	3.12	3.15	3.30	3.45	12.7x	12.5x	12.0x	11.4x	1.90	1.98	4.8%	5.0%	60%	60%
CMS ENERGY	CMS	$23.37	Buy	$23.00	-1.6%	2.5%	$17.16	$23.37	262	6,114	1.45	1.53	1.62	1.73	16.1x	15.3x	14.4x	13.5x	0.96	1.02	4.1%	4.4%	63%	63%
CENTERPOINT ENERGY	CNP	$20.32	Buy	$21.50	5.8%	9.8%	$17.24	$21.29	427	8,683	1.20	1.15	1.25	1.31	16.9x	17.6x	16.2x	15.5x	0.81	0.84	4.0%	4.1%	70%	67%
DTE ENERGY	DTE	$57.59	Hold	$53.50	-7.1%	-3.0%	$44.03	$57.76	170	9,797	3.73	3.75	4.00	4.20	15.4x	15.4x	14.4x	13.7x	2.35	2.49	4.1%	4.3%	63%	62%
DUKE ENERGY	DUK	$22.86	Hold	$21.00	-8.3%	-3.8%	$17.25	$23.69	1,338	30,629	1.46	1.43	1.48	1.55	15.7x	16.0x	15.5x	14.8x	1.02	1.04	4.5%	4.6%	71%	70%
CON EDISON	ED	$61.67	Hold	$52.00	-15.7%	-11.6%	$50.41	$62.59	293	18,063	3.61	3.75	3.85	3.85	17.1x	16.4x	16.0x	16.0x	2.42	2.44	3.9%	4.0%	64%	63%
ITC HOLDINGS	ITC	$69.86	Buy	$80.00	14.5%	16.7%	$66.08	$78.25	51	3,588	3.35	4.05	4.90	5.55	20.8x	17.2x	14.3x	12.6x	1.54	1.73	2.2%	2.5%	38%	35%
NORTHEAST UTILITIES	NU	$37.10	Buy	$39.00	5.1%	8.7%	$30.46	$37.55	314	11,635	2.38	2.30	2.55	2.75	15.6x	16.1x	14.5x	13.5x	1.32	1.45	3.6%	3.9%	57%	57%
PG&E CORP	PCG	$44.61	Buy	$48.00	7.6%	7.2%	$36.86	$44.61	422	18,840	3.58	3.20	3.05	3.50	12.5x	13.9x	14.6x	12.7x	1.62	1.62	4.1%	4.1%	57%	60%
PROGRESS ENERGY	PGN	$57.53	Hold	$55.00	-4.4%	-0.1%	$43.21	$57.53	296	17,030	2.95	3.15	3.20	3.30	19.5x	18.3x	18.0x	17.4x	2.48	2.48	4.3%	4.3%	79%	77%
PORTLAND GENERAL ELEC.	POR	$26.00	Buy	$27.50	5.8%	9.9%	$21.49	$26.00	76	1,963	1.95	1.93	1.95	2.05	13.3x	13.5x	13.3x	12.7x	1.08	1.10	4.1%	4.2%	56%	56%
SOUTHERN COMPANY	SO	$47.30	Hold	$42.00	-11.2%	-7.1%	$38.03	$47.30	869	41,089	2.55	2.65	2.80	2.95	18.5x	17.8x	16.9x	16.0x	1.96	2.03	4.1%	4.3%	74%	73%
XCEL ENERGY	XEL	$28.41	Hold	$27.00	-5.0%	-1.2%	$21.82	$28.54	487	13,834	1.72	1.78	1.90	2.00	16.5x	16.0x	14.9x	14.2x	1.07	1.10	3.8%	3.9%	60%	58%
ALLIANT ENERGY	LNT	$44.69	-	-	-	-	$34.30	$45.33	111	4,959	1.96	2.84	3.11	3.27	22.8x	15.7x	14.4x	13.7x	1.79	1.88	4.0%	4.2%	63%	60%
GREAT PLAINS ENERGY	GXP	$20.26	-	-	-	-	$16.53	$21.97	136	2,762	1.14	1.29	1.64	1.68	17.8x	15.8x	12.3x	12.1x	0.85	0.87	4.2%	4.3%	66%	53%
IDACORP	IDA	$40.33	-	-	-	-	$34.31	$42.82	50	2,020	2.64	3.06	3.21	3.30	15.3x	13.1x	12.6x	12.2x	1.32	1.48	3.3%	3.7%	43%	46%
NISOURCE	NI	$25.11	-	-	-	-	$18.27	$25.33	284	7,134	1.07	1.43	1.53	1.62	23.5x	17.5x	16.4x	15.5x	0.93	0.96	3.7%	3.8%	65%	62%
NV ENERGY INC	NVE	$17.25	-	-	-	-	$12.48	$17.35	236	4,071	0.78	1.20	1.25	1.30	22.1x	14.4x	13.8x	13.3x	0.64	0.71	3.7%	4.1%	53%	57%
NORTHWESTERN CORP.	NWE	$35.96	-	-	-	-	$29.43	$36.59	36	1,307	2.02	2.43	2.56	2.75	17.8x	14.8x	14.0x	13.1x	1.49	1.53	4.1%	4.3%	61%	60%
PS NEW MEXICO	PNM	$18.64	-	-	-	-	$13.21	$19.11	80	1,485	0.94	1.26	1.38	1.52	19.8x	14.8x	13.5x	12.3x	0.56	0.65	3.0%	3.5%	45%	47%
PINNACLE WEST CAPITAL	PNW	$50.85	-	-	-	-	$37.98	$50.81	109	5,567	0.91	3.37	3.53	3.59	55.9x	15.1x	14.4x	14.2x	2.13	2.21	4.2%	4.3%	83%	83%
PEPCO HOLDINGS	POM	$19.29	-	-	-	-	$16.97	$20.54	228	4,404	1.31	1.24	1.31	1.46	14.7x	15.6x	14.7x	13.2x	1.08	1.08	5.6%	5.6%	87%	82%
SCANA	SCG	$47.09	-	-	-	-	$35.12	$47.50	131	6,159	2.85	3.13	3.31	3.43	16.5x	15.0x	14.2x	13.7x	1.98	2.02	4.2%	4.3%	69%	61%
INTEGRYS	TEG	$54.87	-	-	-	-	$43.86	$54.92	78	4,296	2.69	3.44	3.65	3.83	20.4x	16.0x	15.0x	14.3x	2.72	2.73	5.0%	5.0%	79%	75%
WISCONSIN ENERGY	WEC	$38.36	-	-	-	-	$27.94	$38.37	230	8,840	3.20	2.28	2.39	2.52	12.0x	16.8x	16.1x	15.2x	1.20	1.35	3.1%	3.5%	53%	56%
AVERAGE - SIMPLE									**Total**	**257,069**	**5.2%**				**18.9x**	**15.6x**	**14.6x**	**13.9x**			**4.0%**	**4.2%**	**62%**	**61%**
GROUP HIGH									**DB Rated**	**200,387**					55.0x	18.3x	18.0x	17.4x			5.6%	5.6%	87%	82%
GROUP LOW															12.0x	12.5x	12.0x	11.4x			2.2%	2.5%	38%	35%
LESS REGULATED																								
DOMINION RESOURCES	D	$52.74	Hold	$50.00	-5.2%	-1.2%	$45.94	$53.53	571	30,141	3.05	3.20	3.40	3.55	17.3x	16.5x	15.5x	14.9x	2.12	2.25	4.0%	4.3%	69%	66%
EDISON INTERNATIONAL	EIX	$45.64	Buy	$47.00	3.0%	5.8%	$33.29	$45.64	326	14,870	3.22	3.15	3.15	3.40	14.2x	14.5x	14.5x	13.4x	1.30	1.38	2.8%	3.0%	41%	44%
ENTERGY CORP.	ETR	$66.06	Hold	$65.00	-1.6%	3.4%	$59.57	$73.65	177	11,703	7.61	5.25	5.15	5.35	8.7x	12.6x	12.8x	12.3x	3.32	3.32	5.0%	5.0%	63%	64%
EXELON	EXC	$38.94	Hold	$36.00	-7.6%	-2.2%	$36.70	$45.34	852	33,193	4.16	3.05	2.65	2.45	9.3x	12.8x	14.7x	15.9x	2.10	2.10	5.4%	5.4%	69%	79%
FIRSTENERGY	FE	$47.63	Buy	$48.00	0.8%	5.4%	$39.19	$47.91	418	19,920	3.62	3.40	3.10	3.30	13.2x	14.0x	15.4x	14.4x	2.20	2.20	4.6%	4.6%	65%	71%
NEXTERA ENERGY	NEE	$66.25	Hold	$60.00	-9.4%	-5.6%	$50.17	$66.25	417	27,631	4.39	4.55	4.95	5.05	15.1x	14.6x	13.4x	13.1x	2.40	2.60	3.6%	3.9%	53%	53%
PPL CORP.	PPL	$27.65	Hold	$28.50	3.1%	8.2%	$25.33	$30.24	580	16,038	2.72	2.30	2.40	2.15	10.2x	12.0x	11.5x	12.8x	1.43	1.46	5.2%	5.3%	62%	61%
PSEG	PEG	$31.65	Hold	$32.00	1.1%	5.6%	$28.84	$34.81	506	16,012	2.74	2.40	2.40	2.45	11.6x	13.2x	13.2x	12.9x	1.42	1.46	4.5%	4.6%	59%	61%
TECO ENERGY	TE	$17.66	Hold	$16.50	-6.6%	-1.6%	$16.12	$19.35	216	3,811	1.27	1.33	1.35	1.40	13.9x	13.3x	13.1x	12.6x	0.88	0.91	5.0%	5.2%	69%	68%
AMEREN	AEE	$33.11	-	-	-	-	$25.97	$33.81	243	8,034	2.79	2.37	1.92	2.11	11.9x	14.0x	17.2x	15.7x	1.60	1.61	4.8%	4.9%	68%	84%
SEMPRA ENERGY	SRE	$66.18	-	-	-	-	$45.59	$66.18	241	15,949	4.52	4.17	4.32	4.74	14.6x	15.9x	15.3x	14.0x	2.37	2.50	3.6%	3.8%	57%	58%
AVERAGE - SIMPLE									**Total**	**197,300**					**12.7x**	**13.9x**	**14.2x**	**13.8x**			**4.4%**	**4.5%**	**61%**	**64%**
GROUP HIGH									**DB Rated**	**173,318**					17.3x	16.5x	17.2x	15.9x			5.4%	5.4%	69%	84%
GROUP LOW															8.7x	12.0x	11.5x	12.3x			2.8%	3.0%	41%	44%
MERCHANT & IPPs																								
CALPINE	CPN	$16.97	Hold	$17.50	3.1%	3.1%	$12.93	$18.90	483	8,194	0.68	0.83	0.99	0.98	25.0x	20.4x	17.1x	17.3x	-	-	-	-	-	-
GENON ENERGY	GEN	$1.68	Hold	$1.75	4.2%	4.2%	$1.86	$4.13	773	1,298	(0.17)	(0.35)	(0.10)	(0.10)	NM	NM	NM	NM	-	-	-	-	-	-
NRG ENERGY	NRG	$15.82	Buy	$19.00	20.1%	21.2%	$14.34	$25.41	228	3,603	1.74	1.36	0.26	(0.54)	9.1x	11.6x	60.6x	NM	0.18	0.36	1.1%	2.3%	13%	138%
AES CORPORATION	AES	$12.36	-	-	-	-	$9.44	$13.82	767	9,486	1.08	1.26	1.34	1.42	11.4x	9.8x	9.2x	8.7x	0.09	0.10	0.7%	0.8%	7%	8%
DYNEGY INC	DYN	$0.57	-	-	-	-	$0.32	$5.64	123	70	(1.25)	(1.31)	(1.22)	0.72	NM	NM	NM	0.8x	-	-	-	-	-	-
ORMAT TECHNOLOGIES	ORA	$20.77	-	-	-	-	$14.43	$22.90	45	944	1.51	0.57	0.77	0.92	13.8x	36.5x	27.1x	22.7x	0.14	0.17	0.7%	0.8%	25%	23%
AVERAGE - SIMPLE									**Total**	**23,594**					**14.8x**	**19.6x**	**28.0x**	**12.4x**			**0.8%**	**1.3%**	**15%**	**56%**
GROUP HIGH									**DB Rated**	**13,095**					25.0x	36.5x	60.6x	22.7x			1.1%	2.3%	25%	138%
GROUP LOW															9.1x	9.8x	9.2x	0.8x			0.7%	0.8%	7%	8%

Source: Deutsche Bank and Factset
Note: Valuations based on DB estimates for DB coverage and consensus (derived from FactSet) for others. See Figure 4 for DB coverage list. Buy-rated stocks in bold shading. Future data are forecasts

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Figure 29: DB Utilities & Power Comparative Valuation Sheet (2)

DEUTSCHE BANK SECURITIES	Consensus EPS			Consensus P/E			EBITDA $MM			EV/EBITDA			FCF Yield			Net Debt: Capital			Net Debt: EBITDA			EBITDA/Interest		
UTILITIES & POWER	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
MOSTLY REGULATED																								
AMERICAN ELECTRIC POWER	3.05	3.17	3.31	13.0x	12.5x	11.9x	4,685	4,847	4,956	7.8x	7.4x	7.1x	4.0%	2.1%	1.4%	53%	51%	49%	3.7x	3.4x	3.2x	5.0x	5.1x	5.2x
CMS ENERGY	1.54	1.64	1.73	15.2x	14.3x	13.5x	1,623	1,703	1,791	8.5x	8.4x	8.2x	-5.6%	-2.4%	-3.8%	71%	70%	70%	4.8x	4.8x	4.8x	3.8x	3.7x	3.7x
CENTERPOINT ENERGY	1.14	1.22	1.29	17.8x	16.7x	15.8x	2,158	2,227	2,283	7.3x	7.1x	6.9x	4.2%	4.0%	6.7%	62%	61%	60%	3.3x	3.2x	3.1x	4.0x	4.5x	4.6x
DTE ENERGY	3.77	3.99	4.19	15.3x	14.4x	13.7x	2,603	2,732	2,885	7.0x	6.7x	6.5x	-2.9%	-2.8%	-2.6%	53%	51%	51%	3.2x	3.1x	3.1x	4.8x	4.8x	4.9x
DUKE ENERGY	1.43	1.48	1.58	18.0x	15.4x	14.4x	5,245	5,615	5,918	9.4x	9.0x	8.6x	1.3%	1.6%	2.5%	45%	45%	45%	3.6x	3.5x	3.4x	5.8x	6.2x	6.4x
CON EDISON	3.74	3.85	3.92	18.5x	16.0x	15.8x	3,243	3,416	3,531	8.9x	8.7x	5.1x	-0.8%	-1.5%	-1.1%	48%	49%	-1%	3.3x	3.4x	(0.0x)	5.3x	5.4x	5.3x
ITC HOLDINGS	4.02	4.88	5.87	17.4x	14.3x	12.3x	561	663	751	11.7x	10.6x	9.8x	-10.1%	-9.7%	-8.2%	68%	68%	67%	5.2x	5.2x	5.1x	4.3x	4.9x	5.1x
NORTHEAST UTILITIES	2.35	2.56	2.72	15.8x	14.5x	13.9x	1,941	2,303	2,399	10.5x	9.1x	9.1x	-3.8%	-1.0%	-3.5%	50%	51%	52%	4.5x	4.0x	4.2x	5.5x	5.5x	5.1x
PG&E CORP.	3.20	3.10	3.46	14.0x	14.4x	12.9x	5,191	5,260	5,718	8.3x	8.6x	8.1x	-4.3%	-3.8%	-3.4%	52%	56%	55%	2.7x	3.1x	2.8x	7.3x	6.8x	6.9x
PROGRESS ENERGY	3.16	3.29	3.34	18.2x	17.5x	17.2x	2,886	3,246	3,440	10.7x	9.7x	9.4x	2.0%	1.0%	1.3%	57%	56%	57%	4.8x	4.5x	4.5x	3.7x	4.2x	4.2x
PORTLAND GENERAL ELEC.	1.90	1.92	2.04	13.7x	13.5x	12.7x	502	503	566	5.6x	6.4x	6.2x	7.3%	7.4%	7.9%	49%	47%	46%	3.0x	2.9x	2.7x	5.1x	5.5x	5.5x
SOUTHERN COMPANY	2.65	2.81	2.98	17.9x	16.8x	15.8x	6,109	6,643	7,099	10.1x	9.6x	9.3x	-1.5%	-0.2%	-1.4%	52%	52%	53%	3.5x	3.4x	3.5x	7.1x	7.1x	7.1x
XCEL ENERGY	1.78	1.88	1.97	15.0x	15.1x	14.4x	2,779	2,966	3,137	8.9x	8.7x	8.4x	-2.4%	-5.9%	-0.7%	55%	55%	55%	3.9x	4.0x	4.0x	4.7x	4.7x	4.7x
ALLIANT ENERGY	2.84	3.11	3.27	15.7x	14.4x	13.7x	865	974	1,055	11.1x	10.2x	9.6x	NA	NA	NA	60%	60%	59%	5.4x	5.1x	4.9x	5.0x	5.0x	5.0x
GREAT PLAINS ENERGY	1.29	1.64	1.98	15.8x	12.3x	12.1x	805	915	920	8.1x	7.2x	7.2x	NA	NA	NA	53%	52%	52%	4.6x	4.1x	4.2x	3.6x	4.0x	NA
IDACORP	3.08	3.21	3.30	13.1x	12.6x	12.2x	394	450	393	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3x	5.7x	5.2x
NISOURCE	1.43	1.53	1.82	17.5x	16.4x	15.5x	1,829	1,731	1,841	9.3x	9.0x	8.6x	NA	NA	NA	59%	60%	59%	4.9x	4.9x	4.7x	4.0x	4.2x	4.2x
NV ENERGY INC	1.20	1.25	1.30	14.4x	13.6x	13.3x	1,140	1,162	1,180	7.9x	7.7x	7.4x	NA	NA	NA	58%	57%	55%	4.3x	4.2x	4.0x	3.5x	3.6x	3.7x
NORTHWESTERN CORP.	2.43	2.56	2.75	14.8x	14.0x	13.1x	274	300	332	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3x	4.3x	4.3x
PS NEW MEXICO	1.26	1.36	1.52	14.8x	13.5x	12.3x	437	461	484	5.1x	5.1x	5.3x	NA	NA	NA	55%	57%	59%	4.7x	4.8x	5.2x	3.5x	3.6x	3.7x
PINNACLE WEST CAPITAL	3.37	3.53	3.59	15.1x	14.4x	14.2x	1,253	1,327	1,396	7.5x	7.2x	7.0x	NA	NA	NA	49%	48%	48%	3.1x	3.0x	3.1x	5.2x	5.0x	4.8x
PEPCO HOLDINGS	1.24	1.31	1.46	15.6x	14.7x	13.2x	1,106	1,200	1,300	8.6x	8.2x	7.9x	NA	NA	NA	52%	53%	54%	4.6x	4.6x	4.5x	4.4x	4.4x	4.5x
SCANA	3.13	3.31	3.43	15.0x	14.2x	13.7x	1,195	1,296	1,400	10.0x	9.6x	9.2x	NA	NA	NA	58%	56%	56%	4.8x	4.8x	4.8x	4.4x	4.3x	NA
INTEGRYS	3.44	3.65	3.83	15.0x	15.0x	14.3x	734	798	NA	9.7x	9.5x	NA	NA	NA	NA	NA	NA	NA	3.9x	4.1x	NA	5.5x	5.3x	NA
WISCONSIN ENERGY	2.28	2.39	2.52	18.8x	16.1x	15.2x	1,353	1,417	1,427	10.4x	10.0x	10.0x	NA	NA	NA	56%	55%	55%	3.8x	3.8x	3.8x	10.2x	9.6x	9.5x
AVERAGE - SIMPLE				**15.6x**	**14.7x**	**13.9x**				**8.9x**	**8.5x**	**8.0x**	**-1.0%**	**-0.9%**	**0.1%**	**55%**	**55%**	**53%**	**4.1x**	**4.0x**	**3.8x**	**5.0x**	**5.1x**	**5.1x**
GROUP HIGH				18.2x	17.5x	17.2x				11.7x	10.6x	10.0x	7.3%	7.4%	7.9%	71%	70%	70%	5.4x	5.2x	5.2x	10.2x	9.6x	9.5x
GROUP LOW				13.0x	12.3x	11.9x				5.3x	6.4x	5.1x	-10.1%	-9.7%	-8.2%	45%	45%	-1%	2.7x	2.9x	(0.0x)	3.5x	3.6x	3.7x
LESS REGULATED																								
DOMINION RESOURCES	3.20	3.43	3.57	16.5x	15.4x	14.8x	5,005	5,332	5,642	10.3x	10.1x	9.7x	-0.9%	-3.4%	0.1%	63%	63%	63%	4.3x	4.4x	4.4x	5.6x	5.6x	5.5x
EDISON INTERNATIONAL	2.41	2.62	3.25	18.9x	17.4x	14.0x	3,687	3,894	4,134	8.1x	8.1x	7.7x	9.8%	6.1%	2.0%	59%	61%	61%	4.1x	4.2x	4.1x	6.4x	6.0x	6.1x
ENTERGY CORP	5.25	5.31	5.42	12.6x	12.4x	12.2x	3,053	3,125	3,254	7.9x	7.9x	7.7x	4.9%	6.0%	6.9%	56%	56%	56%	4.0x	4.1x	4.1x	5.4x	5.2x	5.2x
EXELON	3.00	2.92	2.83	13.0x	13.3x	13.7x	5,122	4,902	4,857	9.4x	10.0x	10.3x	-3.1%	2.1%	1.6%	48%	50%	51%	2.9x	3.2x	3.5x	7.0x	6.1x	5.7x
FIRSTENERGY	3.40	3.22	3.43	14.0x	14.8x	13.9x	4,665	4,531	4,753	8.2x	8.5x	8.4x	0.0%	2.7%	-2.8%	57%	57%	58%	3.9x	4.1x	4.2x	4.8x	4.8x	4.5x
NEXTERA ENERGY	4.52	4.94	5.16	14.7x	13.4x	12.8x	5,064	5,752	6,117	10.8x	9.6x	9.0x	-16.5%	1.5%	5.5%	63%	61%	60%	5.4x	4.8x	4.5x	4.7x	4.9x	5.2x
PPL CORP.	2.31	2.40	2.11	12.0x	11.5x	13.1x	4,171	4,426	4,482	8.4x	8.2x	8.6x	-7.5%	-10.5%	-8.0%	61%	60%	62%	4.6x	4.6x	5.0x	4.5x	4.5x	4.4x
PSEG	2.40	2.43	2.45	13.2x	13.0x	12.9x	3,372	3,530	3,653	7.1x	7.0x	6.9x	-0.6%	0.3%	0.7%	42%	43%	44%	2.4x	2.4x	2.5x	8.2x	8.1x	7.8x
TECO ENERGY	1.34	1.40	1.48	13.2x	12.6x	11.9x	956	977	1,018	7.1x	7.0x	6.7x	6.4%	5.6%	4.9%	56%	55%	54%	3.1x	3.1x	3.0x	4.9x	5.2x	5.4x
AMEREN	2.37	1.92	2.11	14.0x	17.2x	15.7x	2,029	2,035	2,137	7.3x	7.4x	7.2x	NA	NA	NA	46%	47%	47%	3.4x	3.5x	3.5x	4.7x	4.0x	4.0x
SEMPRA ENERGY	4.17	4.32	4.74	15.9x	15.3x	14.0x	2,908	3,198	3,482	9.5x	8.9x	8.5x	NA	NA	NA	53%	54%	54%	4.0x	3.9x	3.9x	6.0x	5.8x	5.8x
AVERAGE - SIMPLE				**14.4x**	**14.2x**	**13.6x**				**8.6x**	**8.4x**	**8.2x**	**-3.0%**	**-0.2%**	**0.8%**	**55%**	**55%**	**56%**	**3.8x**	**3.8x**	**3.9x**	**5.6x**	**5.5x**	**5.5x**
GROUP HIGH				18.9x	17.4x	15.7x				10.8x	10.1x	10.3x	6.4%	6.0%	6.9%	63%	63%	63%	5.4x	4.8x	5.0x	8.2x	8.1x	7.8x
GROUP LOW				12.0x	11.5x	11.9x				7.1x	7.0x	6.7x	-16.5%	-10.5%	-8.0%	42%	43%	44%	2.4x	2.4x	2.5x	4.5x	4.5x	4.4x
MERCHANT & IPPs																								
CALPINE	0.30	0.66	0.82	55.7x	25.7x	20.7x	1,770	1,670	1,885	9.8x	9.4x	9.1x	0.7%	4.3%	9.0%	69%	69%	69%	5.2x	5.0x	4.8x	2.3x	2.5x	2.5x
GENON ENERGY	(0.35)	(0.09)	(0.07)	NM	NM	NM	450	675	685	9.5x	6.5x	6.0x	-47.3%	-8.6%	8.1%	38%	39%	38%	9.6x	4.5x	4.1x	1.2x	1.8x	1.9x
NRG ENERGY	0.83	0.10	(0.83)	19.2x	152.4x	NM	1,910	1,740	1,700	8.0x	8.8x	8.9x	-72.4%	-18.2%	12.8%	60%	61%	59%	6.1x	6.8x	6.3x	3.1x	2.8x	2.4x
AES CORPORATION	1.28	1.34	1.42	9.8x	9.2x	8.7x	5,073	5,095	5,103	5.8x	5.3x	5.1x	NA	NA	NA	74%	70%	67%	3.7x	3.4x	3.2x	3.0x	3.0x	NA
DYNEGY INC.	(1.31)	(1.22)	0.72	NM	NM	0.8x	280	347	290	7.3x	5.6x	6.7x	NA	NA	NA	38%	36%	37%	7.0x	5.4x	6.5x	1.0x	NA	NA
ORMAT TECHNOLOGIES	0.57	0.77	0.92	36.5x	27.1x	22.7x	189	213	223	9.9x	9.1x	8.8x	NA	NA	NA	46%	48%	47%	4.9x	4.7x	4.5x	3.1x	3.3x	3.3x
AVERAGE - SIMPLE				**30.3x**	**53.6x**	**13.2x**				**8.3x**	**7.4x**	**7.4x**	**NA**	**NA**	**NA**	**54%**	**54%**	**53%**	**5.6x**	**5.0x**	**4.9x**	**2.3x**	**2.7x**	**2.5x**
GROUP HIGH				55.7x	152.4x	22.7x				9.9x	9.4x	9.1x	NA	NA	NA	74%	70%	69%	7.0x	6.8x	6.5x	3.1x	3.3x	3.3x
GROUP LOW				9.8x	9.2x	0.8x				5.8x	5.3x	5.1x	NA	NA	NA	38%	36%	37%	3.7x	3.4x	3.2x	1.0x	1.8x	1.9x

Source: Deutsche Bank and Factset
Note: Valuations based on DB estimates for DB coverage and consensus (derived from FactSet) for others. See Figure 4 for DB coverage list. Buy-rated stocks in bold shading Future data are forecasts

CPUC05304

Company updates

American Electric Power (AEP)

Valuation

We are raising our price target for AEP to $40 from $39. We value AEP by applying an 11.7x P/E multiple to our 2014 EPS estimate. Our multiple reflects a 10% discount versus our target 13x regulated utility P/E multiple, which we view as reasonable given the extreme level of uncertainty in Ohio, AEP's heavy reliance on coal generation, and less favorable service territories. These negative factors are partially offset by AEP's diversity in regulatory jurisdictions, above-average growth opportunities (primarily transmission), and large cap premium.

Risks

The main downside risk for AEP is a negative decision in the Ohio Electric Security Plan (ESP) case. Other downside risks for AEP include disallowance of capital spending projects or ROE adjustments in regulatory proceedings. A renewed economic downturn could also impact our estimates and slow growth at the utilities. AEP's mostly coal fleet is also is also heavily exposed to environmental regulations. Upside risks for AEP include greater capital investment opportunities than we assume, higher earned ROEs, and a more favorable outcome in the pending Ohio regulatory proceeding than we assume.

CMS Energy (CMS)

Valuation

We are raising our price target for CMS to $24 from $23. We value CMS by applying a 13.65x P/E multiple (a 5% premium to our target 13x regulated utility multiple) to our 2014 EPS estimate of $1.73. In our view, a slight premium for CMS is justified based on CMS' execution track record, Michigan's strong regulatory construct, and above-average growth partially offset by the impact of the less favorable Michigan economy and CMS' relatively high parent debt load.

Risks

The key downside risks for CMS include the disallowance of major capital spending projects, as we expect roughly $6.6B of spending for 2012-2016 to drive rate base growth, and the inability of the utilities to earn their authorized returns. A renewed deterioration in Michigan's economy is also a downside risk for CMS, even if it is not as directly exposed since a limited decoupling mechanism is expected to remain in place. A significant deepening of the recession in the state would likely further increase rate

pressure and could restrict growth opportunities. Rising natural gas prices would also be a risk since they would push CMS' expected annual electric rate increases higher.

Consolidated Edison (ED)

Valuation – Raising PT to $54 from $52

Our $54 price target is based on a 14.0x P/E multiple applied to our 2014E of $3.85, which reflects an 8% premium to our target 13.0x regulated utility multiple. We believe this premium is appropriate given ED's lower risk business model (mostly regulated T&D), above average regulatory certainty, history of delivering on guidance, and strong environmental and financial position.

Risks

Upside risks to our valuation and financial projections include better-than-anticipated performance under current rate plans at Con Edison of New York, stronger-than anticipated earnings at the competitive business, faster-than-anticipated rate base growth/capital spending, lower-than-anticipated debt financing, reduced pension plan contribution requirements, and lower market interest rates. Downside risks include worse-than-expected rate case outcomes (particularly the risk of an ROE reset in CECONY's next rate cases) higher-than-expected financing needs, slower-than-anticipated rate base growth, weaker demand growth, and higher market interest rates.

Dominion Resources (D)

Valuation

We are raising our price target for D from $50 to $51. We value D on a 2014E sum-of-the-parts basis. We apply a 15x P/E multiple to D's Virginia Electric & Power Company subsidiary (electric distribution, transmission, and regulated generation), a 15% premium to our target 13x regulated multiple. We believe this is appropriate given the supportive regulatory environment and favorable recovery mechanisms in Virginia, as well as the state's mandate for D to invest in new generation. We apply an 8.5x EV/EBITDA multiple to D's gas distribution segment, a premium to the regulated average reflecting the regulatory construct in Ohio, and a 9x multiple to the gas transmission segment. We believe this is warranted given FERC's recovery mechanisms and above-average ROEs and D's strong growth outlook in the Marcellus and Utica shale basins. We apply a premium 8.75x multiple to the merchant generation fleet, reflecting D's net clean portfolio, its attractive market position in New England, exposure to future commodity/power improvements, and strong financial position as part of a large cap utility. We value the retail business using a 7x multiple, and Producer Services at 7.5x. Lastly, we apply an 8.75x multiple to the parent segment EBITDA.

Figure 30: D Sum-of-the-Parts Valuation

Business Segment	Valuation Metric	2014E	Multiple	Value
Virginia Electric & Power Co	P/E	$2.38	15.0x	20,845
Gas Distribution	EV/EBITDA	407	8.50x	3,461
Gas Transmission	EV/EBITDA	978	9.00x	8,800
Utility Value				**33,106**
Merchant Generation	EV/EBITDA	494	8.75x	4,323
Dominion Retail	EV/EBITDA	164	7.00x	1,147
Producer Services	EV/EBITDA	94	7.50x	705
Corporate and Other	EV/EBITDA	(28)	8.75x	(245)
Non-Utility Enterprise Value				**5,930**
Total Enterprise Value				39,036
Less: Total Non-VEPCO Net Debt (2014E)				(9,203)
Total Equity Value				**29,834**
Diluted Average Shares Outstanding (2014E)				586
Equity Value Per Share				**$51**

Source: Deutsche Bank

Risks

The key downside risk for D would be the disallowance of major capital spending projects, which drive our earnings growth outlook. Unfavorable changes to Virginia's regulatory framework, which continue to be proposed periodically in the legislature, would also be a negative. An inability to manage earnings at the electric utility could also lead to a potential rate adjustment in 2013. At the merchant generation segment, weaker gas and/or power prices would negatively impact our estimates and D's consolidated growth rate. Upside risks include higher gas and/or power prices than we assume at the merchant generation segment and significant additional growth opportunities at the regulated segments, which we view as most likely at the gas transmission segment.

DTE Energy (DTE)

Valuation

We are raising our price target for DTE to $56 from $53.50. We apply a 14x P/E multiple to our 2014 EPS estimate for DTE excluding Energy Trading and the Reduced Emissions Fuel (REF) business. This multiple reflects an 8% premium to our 13x target regulated utility multiple, reflecting DTE's solid Michigan utilities with a strong regulatory construct plus DTE's premium midstream assets. For Energy Trading, we apply a 9.5x P/E multiple to our 2014 estimate, reflecting what we believe is a more appropriate multiple for that business versus a regulated utility. Lastly, we add in the value for DTE's REF business. This represents the NPV of $50M of earnings annually through 2021 since the earnings stream is only in place for 10 years.

Risks

Upside risks include stronger rate base growth than we assume and a stronger economic recovery, which could increase capital spending opportunities. A higher price than we assume for DTE's Barnett Shale assets would also be a positive risk and could reduce equity needs. Stronger-than-expected earnings from the Reduced Emissions Fuel (REF) business is also a risk. Downside risks include less favorable rate case outcomes than we assume, especially if they disallow capital spending, and a renewed economic downturn in Michigan.

Duke Energy (DUK)

Valuation – Raising PT to $22 from $21

Our $22 price target for DUK is based on a 13.9x P/E multiple applied to our 2014E of $1.55. We believe DUK deserves a premium (7%) versus regulated peers, which we value at 13.0x, reflecting its position as one of the largest market capitalization utilities in the sector with above-average regulatory diversity. These positive attributes are tempered by regulatory uncertainty facing its second largest utility in Indiana, although this has lessened with the company having reached a settlement concerning cost recovery on the soon-to-be-completed Edwardsport IGCC plant, a below average environmental position given a heavy reliance on coal-fired generation (48% of total capacity), and modestly below average growth potential.

Risks

Upside risks to our price target include better-than-expected regulatory outcomes in future rate cases, outperformance versus merger synergy targets and retention thereof, faster-than-anticipated economic recovery, and stronger-than-expected results from DUK's non-utility operations, which could be driven by higher power and PJM capacity prices or favorable foreign currency exchange rates. Downside risks include the potential for regulatory disappointments, especially in Indiana, and worse-than-anticipated margin compression at Commercial Power. Additionally, the company's international assets are subject to sovereign risk and foreign currency exchange volatility, which could negatively impact our current outlook.

Edison International (EIX)

Valuation

We are raising our price target for EIX from $47 to $48.50. We value EIX on a sum-of-the-parts basis. We apply a premium 13.9x P/E multiple to our 2014 estimate for Southern California Edison (SCE) to value the utility at ~$47.50 per share. Our multiple reflects a 7% premium to our target 13x regulated utility multiple, which we believe is appropriate given SCE's relatively favorable environmental position, above-average growth expectations, the utility's attractive Southern California service territory, and management's execution track record. We then subtract parent expenses of $1 per share. We value EME at zero plus the potential value we believe could be extracted from the business (~$1 per share). In our view, EME should not be valued at less than zero despite the fact that our estimate of its obligations (including future environmental spending) outweighs the value we see provided by EME's cash flows. This is because its debt is non-recourse to EIX, and we do not expect management to provide additional capital to the business while it faces such challenging conditions and until there is greater clarity on eventual environmental requirements.

Figure 31: EIX Sum-of-the-Parts Valuation

Business Segment	Valuation Metric	2014E	Multiple	Value
Southern California Edison	P/E	$3.53	13.9x	15,999
Parent Overhead	P/E	($0.13)	13.9x	(584)
Utility and Parent Equity Value				**15,416**
Adjusted Merchant Generation	EV/EBITDA	299	7.0x	2,093
Less: NPV of Environmental CapEx				(299)
Add: NPV of Wind PTCs				225
Less: Merchant Net Debt (2014E)				(3,749)
Less: Sale-Leaseback Obligations				(140)
Total Merchant Generation				(1,871)
Adjusted Merchant Generation Value				*0*
Potential Distribution to Parent				*403*
Non-Utility Equity Value				**403**
Total Equity Value				**15,818**
Diluted Average Shares Outstanding (2014E)				326
Equity Value Per Share				**$48.50**

Source: Deutsche Bank

Risks

In our view, the primary downside risk for EIX is disallowance or delays of major capital spending at SCE, which drives EIX consolidated EPS. We view this risk as most acute for SCE's transmission projects, which have historically had problems with delays throughout the regulatory review process. The inability of EIX management to extract or rebuild value from within EME or to add leverage on the wind assets (restricting cash flexibility) are also risks for EIX. We also view the regulatory uncertainty in California as a lingering concern for SCE as Governor Jerry Brown appointed three new commissioners last year, including two with consumer advocacy backgrounds.

Entergy Corp. (ETR)

Valuation – Raising PT to $68 from $65

Our price target for ETR is based on a sum-of-the-parts analysis that attributes $67 to the Utilities and less than $1 to Entergy Wholesale Commodities and Parent & Other. At this stage we have not incorporated any specific value for the proposed ITC transmission deal, which could represent a meaningful uplift if consummated as proposed. We calculate the Utility value by applying a 13.0x multiple, consistent with the average multiple we apply to US regulated utilities, to our 2014 EPS estimate of $5.13. Our valuation for Entergy Wholesale Commodities is based on 2014E adjusted EBITDA and 9.0x EV/EBITDA multiple. This represents a one turn premium to our target merchant EBITDA multiple, which we believe is warranted given ETR's portfolio of lower cost and net clean nuclear generation. Our EBITDA forecast for EWC is adjusted for the non-cash Palisades PPA accrual ($16M in 2014), and projected NYPA value sharing payments of

$72M. The former is a non-cash revenue item while the latter is a cash expense booked in the investing section of the cash flow statement. Both relate to accounting treatment of the acquired assets and are not typically adjusted in company presentations of EBITDA. Given that in 2014 they represent around 22% of Entergy Wholesale Commodities' EBITDA we believe investors should adjust for them in valuation work. Finally, we subtract estimated non-utility net debt of $2.8B to get to our non-utility equity value of $172M or about less than $1/sh.

Figure 32: ETR Sum-of-the-Parts Valuation

Business Segment	Valuation Metric	2014E	Multiple	Value
Utility	P/E	$5.13	13.00x	11,829
Utility Equity Value				**11,829**
Adjusted EWC EBITDA	EV/EBITDA	307	9.00x	2,762
Parent & Other	EV/EBITDA	21	8.00x	171
Total Non-Utility Enterprise Value				2,932
Less: Non-Utility Net Debt (2014E)				(2,760)
Non-Utility Equity Value				**172**
Total Equity Value				**12,002**
Diluted Average Shares Outstanding (2014E)				177
Equity Value Per Share				**$67.70**

Source: Deutsche Bank

Risks

We see the following upside risks to our Hold rating and price target: securing approval for the deal with ITC, better-than-expected regulatory outcomes, stronger-than-expected power markets in the Northeast, a stronger-than-expected economy, the extension of a certificate of public good by the state of Vermont for Vermont Yankee, incremental share repurchases, and benefits from any future federal carbon pricing regime/stricter EPA regulations. Downside risks include: negative rate case decisions (especially in light of historical challenges in some of the company's jurisdictions), nuclear plant license renewal challenges, especially with regard to Indian Point 2 & 3 in New York, weaker-than-expected power prices, delays on major capital projects and a weaker economic environment.

FirstEnergy (FE)

Valuation

Our $49/sh price target for FE is based on our sum-of-the-parts valuation framework. We apply a 13.0x P/E multiple to our 2014 EPS estimate for the regulated distribution and transmission businesses. This is in line with our baseline multiple as FE's strong regulatory diversity and the absence of any plans to file rate cases in the near term is offset by potential over-earning risks in New Jersey. We apply a 9.0x EV/EBITDA multiple to our 2014 estimates for the competitive business and parent overhead. This is a premium to our baseline 8.0x multiple to reflect FE's significant leverage to a recovery in energy markets.

We also make two adjustments to our valuation for FE to better reflect the capacity uplift over the 2015-16 timeframe, as we view the capacity prices embedded in our 2014 valuation year ($85/MW-day RTO price) as artificially low. First, we have given FE credit

for the YoY uplift in RTO (system-wide) capacity prices to more normalized levels in CY 2015 ($132/MW-day). Second, we have adjusted our valuation to give FE credit for the local reliability constraints and very high capacity price in the ATSI region in the 2015-16 auction. We have calculated the annualized net revenue uplift for FE at the $357/MW-day clearing price in ATSI, and applied a 2.0x multiple to this estimated "ATSI uplift". This reflects our view that ATSI is likely to price at a material premium once again in next year's 2016-17 auction, but that large regional premiums are unsustainable over the long run as transmission improvements are made and new generation is potentially added in the region.

Figure 33: FE Valuation Analysis

Business Segment	Valuation Metric	2014E	Multiple	Value
Regulated Distribution	P/E	$2.25	13.0x	12,350
Regulated Transmission	P/E	$0.38	13.0x	2,093
Utility Equity Value				**14,443**
Competitive	EV/EBITDA	1,467	9.00x	13,202
RTO 2015 Capacity Uplift	EV/EBITDA	158	9.00x	1,425
ATSI Uplift	EV/EBITDA	699	2.0x	1,398
Less: Corporate & Other	EV/EBITDA	($117)	9.00x	(1,053)
Less: Non-Utility Debt (2014E)				(8,788)
Non-Utility Equity Value				**6,183**
Total Equity Value				**20,626**
Diluted Average Shares Outstanding (2014E)				423
Equity Value Per Share				**$49**

Source: Deutsche Bank

Risks

Downside risks to our Buy rating include weak overall power demand, lower power prices, and a faster than expected improvement in reliability conditions in the ATSI region. Additionally, increased retail market competition creates a risk for FE's competitive margins, while an unfavorable outcome in the inquiry into JCP&L's earnings is a risk on the regulated side of the business.

ITC Holdings (ITC)

Valuation – Raising price target to $81 from $80

Our valuation for ITC continues to incorporate some of the risk that the company's premium FERC return on equity could be challenged, in light of the existing challenge to New England transmission owner ROEs. Our new price target of $81 is based on a weighted average of four different scenarios, where we have attempted to model the risk that ITC's premium return on equity might be reduced. We assign the highest

weighting to our assumption that ITC's ROE will remain unchanged (40% x $87) as there is no current challenge to ITC's rate structure and it is far from certain that the challenge to New England transmission owner base ROE will ultimately prevail. We then assign 20% weightings to scenarios where ITC's ROE is lowered by 50, 100, and 200 basis points (20% x $83, 20% x $78, 20% x $70). Weighting these as described, we get to our price target of $81. In each scenario, we apply the same P/E multiple of 15.6x 2014E (20% premium vs. peers) to our various EPS estimates since ITC's long-term growth (~16% per year) does not change materially once earnings are rebased.

Figure 34: Impact to EPS and valuation from various changes in ROE

	Average ROE	2014 EPS	P/E Multiple	Valuation	Weighting
Scenario 1 - unchanged	13.0%	5.55	15.6x	87.00	40.0%
Scenario 2 - 50 bp ROE cut	12.5%	5.30	15.6x	83.00	20.0%
Scenario 3 - 100 bp ROE cut	12.0%	5.00	15.6x	78.00	20.0%
Scenario 4 - 200 bp ROE cut	11.0%	4.50	15.6x	70.00	20.0%
Weighted Average Valuation				**81.00**	**100.0%**

Source: Deutsche Bank

Risks

Downside risks to our price target include transmission project delays, challenges to ITC's favorable FERC formula rate plans and authorized ROE, lower than- anticipated spending on generator interconnects, greater-than-anticipated financing needs, and reduced support for transmission at FERC. Our earnings outlook is dependent on the company successfully acquiring all necessary regulatory approvals and permits in order to move forward with its projects and execute its capital plan. While we have attempted to account for the risk that ITC's ROE could be challenged and potentially reduced, a challenge to Midwest transmission owner ROE (similar to the one filed against New England TOs) would potentially require us to rethink our current weighting methodology.

NextEra Energy (NEE)

We are maintaining our 2012 EPS estimate for NEE of $4.55 and lowering our 2013 and 2014 estimates by $0.10 in each year to $4.95 and $5.05, respectively. Estimate changes reflect revised assumptions on capital spending, earned ROEs, and various other tweaks based on recent company disclosures.

Valuation

Our $60/sh price target for NEE is based on our sum-of-the-parts valuation framework and also gives NEE credit for the NPV of future PTCs and other renewable tax benefits. We apply a 14.5x P/E multiple to our 2014 estimates for the regulated FP&L and Lone Star businesses, which is a 12% premium to our baseline multiple to reflect a large capital base, historically constructive regulation in Florida, and above-average dividend growth. We apply an 8.75x EV/EBITDA multiple to our 2014 estimate for Energy Resources, which is a premium to our baseline merchant multiple of 8.0x given NEE's net clean fleet and the low-cost debt and quick equity payback period associated with renewable growth projects. We also give NEE credit for the NPV of future production tax credits (PTCs), CITC cash grants, and MACRS depreciation benefits (over $5/sh of value).

Figure 35: NEE Valuation Analysis

Business Segment	Valuation Metric	2014E	Multiple	Value
FP&L	P/E	$3.14	14.50x	19,194
Lone Star Transmission	P/E	$0.10	14.50x	638
Utility Equity Value				**19,832**
Energy Resources	EV/EBITDA	2,273	8.75x	19,890
Less: Non-Utility Net Debt (a)				(16,874)
Plus: NPV of future PTCs, MACRS, CITCs				2,255
Non-Utility Equity Value				**5,271**
Total Equity Value				**25,103**
Diluted Average Shares Outstanding				421
Equity Value Per Share				**$60**

Source: Deutsche Bank. (a) Includes proportional interest in debt for the Desert Sunlight solar project.

Risks

Downside risks to our view include a disappointing outcome in the pending rate case at FP&L, execution risks, the absence of public policy support for renewable development, and a potential improvement in gas/power prices that could lead to NEE losing its relative safety premium. Upside risks are a better than expected outcome in the FP&L rate case, a strong economic recovery in Florida, and an extension of the PTC beyond 2012.

Northeast Utilities (NU)

Valuation – Maintaining PT at $39

Our $39 price target is based on a 14.3x P/E multiple applied to an "ROE-adjusted" 2014E. We currently project 2014 EPS of $2.75, which assumes no change to NU's base transmission ROE. Since we believe a modest reduction is possible, we adjust our forecast for a 50 basis point change in ROE which results in an EPS estimate of $2.71. On our analysis, every 50 basis point reduction in transmission ROE equates to a $0.04 hit to EPS. We believe NU merits a 14.3x P/E multiple, representing a 10% premium vs. our regulated utility target multiple, given above average earnings growth potential, a lower risk business profile as a mostly T&D utility, above average exposure to FERC-regulated transmission, a strong management team, below average regulatory risk, and no need for new equity in the near future.

Risks

Downside risks include transmission project delays or cancellations, reduced support for transmission at FERC, a larger-than-anticipated reduction in base transmission ROEs,

lower-than-expected synergies from the merger with NSTAR, lower-than-expected capital expenditures on growth investments, lower-than-anticipated sales, and higher-than-anticipated financing needs.

PG&E Corp. (PCG)

Valuation

We are raising our price target for PCG from $46 to $48. We value PCG by applying a 13.65x P/E multiple to our 2014 EPS estimate of $3.50. Our multiple reflects a 5% premium to our target regulated utility multiple of 13x. We believe this premium is justified based on our view that PCG will be able to begin to regain its historical premium valuation as pipeline-related proceedings are resolved. We also believe that our 2014 rate base growth assumption could prove conservative, as we currently assume 4-5% growth.

Risks

The key downside risks, in our view, are higher-than-expected penalties or unrecovered pipeline costs as a result of the San Bruno accident and a greater-than-expected downward ROE adjustment than we assume. A significant adjustment to the capital growth plan would also be a risk to our estimates.

Portland General Electric (POR)

Valuation

We value POR at $27.50 by applying a 13.4x P/E multiple to our 2014 EPS estimate of $2.05. This is a slight discount to where regulated electric utilities are currently trading and a 3% premium to our target regulated utility multiple of 13x. We believe POR's combination of strong growth opportunities with specific catalysts on the horizon, expected customer growth, slightly above-average dividend yield, and favorable environmental position should offset its historical small-cap discount. In our view, progress on POR's potential growth projects will narrow that valuation gap over the next 6-12 months.

Risks

The primary risk to our call would be POR's inability to grow its rate base through the generation RFPs. An inability to manage O&M expenses over the next few years would be negative to our EPS outlook, as would the underrecovery of fuel and purchased power expenses. POR's exposure to a single regulatory jurisdiction (Oregon) is also a risk. POR's small size could limit its access to financing in the event of a severe credit tightening in the economy.

PPL Corp. (PPL)

Valuation

We are raising our price target for PPL from $28.50 to $29. We value PPL based on a 2014E sum-of-the-parts analysis. We value the UK utility on a 13.7x P/E multiple, reflecting a 5% premium, and the KY utility on a 13.4x multiple, a 3% premium versus our target regulated utility multiple based on their attractive regulatory constructs. We value Pennsylvania Regulated on a 13x P/E multiple, in line with our target 2014E regulated multiple. We apply an 8.5x EV/EBITDA multiple to our 2014 EBITDA outlook for the Supply segment, which is a half-turn premium to our baseline merchant multiple. We believe PPL's generation portfolio merits a premium based on its net clean fleet and attractive market position in PJM. We calculate our price target using a year-end 2014

share count to reflect the full impact of expected dilution from the convertible securities PPL issued to fund its recent acquisitions.

Figure 36: PPL Sum-of-the-Parts Valuation

Business Segment	Valuation Metric	2014E	Multiple	Value
International Regulated	P/E	$1.28	13.7x	11,588
Pennsylvania Regulated	P/E	$0.31	13.0x	2,646
Kentucky Regulated	P/E	$0.55	13.4x	4,854
Utility Equity Value				**19,088**
Adjusted Merchant Generation	EV/EBITDA	659	8.50x	5,605
Less: Non-Utility Debt (2014E)				(4,379)
Less: Off-Balance Sheet Debt				(422)
Non-Utility Equity Value				**804**
Total Equity Value				**19,892**
Diluted Average Shares Outstanding (Adj for Converts)				684
Equity Value Per Share				**$29**

Source: Deutsche Bank

Risks

Downside risks to our view include weaker power prices or higher coal prices than we assume, weaker-than-expected generation performance, and inability to contain and manage risks at the marketing and trading subsidiary. Further delays in capital projects (such as the Susquehanna-Roseland transmission line) or unfavorable rate case outcomes are also risks. Inability to execute on targeted UK acquisition synergies is another risk. Upside risks include higher power prices or lower coal prices than we assume and the ability to earn higher ROEs at the regulated utilities.

Progress Energy (PGN)

Valuation – Raising PT to $57 from $55

We value PGN as a function of our target value for Duke Energy (DUK) given their planned merger. Per the merger agreement, DUK will acquire PGN in an all stock transaction, paying 2.6125 DUK shares for each PGN share. We value DUK at $22/sh implying PGN value of $57 ($22 x 2.6125).

Risks

Downside risks to our view include the failure to complete their planned merger with DUK as we would value PGN lower absent the offer from DUK, a weaker-than-expected economic environment, which would put further pressure on the company's ability to earn its allowed returns, weaker-than-anticipated future rate case outcomes in Florida and the Carolinas, and failure to complete major capital projects in the Carolinas or to secure full cost recovery of the planned repair at Crystal River 3. Upside risks for PGN

include better-than-expected regulatory outcomes, lower-than-expected costs, a faster-than- expected economic recovery in the Carolinas and Florida, and stronger-than-expected synergies associated with their merger with DUK.

Public Service Enterprise Group (PEG)

Valuation

Our $33/sh price target for PEG is based on our sum-of-the-parts valuation framework. We apply a 13.0x P/E multiple to our 2014 EPS estimate for the PSE&G utility, which is in line with our baseline multiple as potentially above-average growth is offset by a lack of regulatory diversity given exposure to only one state jurisdiction. We apply an 8.0x EV/EBITDA multiple to our 2014 EBITDA estimates for Power and Holdings/Parent, which is in line with our baseline merchant multiple. While we would normally award Power an above-average multiple given a diverse mix of nuclear, coal, and gas assets, we forecast that PEG will have the greatest YoY reduction in RPM capacity revenues of its peers in CY 2015, which is a negative when valuing off 2014 earnings.

Figure 37: PEG Valuation Analysis

Business Segment	Valuation Metric	2014E	Multiple	Value
PSE&G Utility	P/E	$1.31	13.00x	**8,681**
PSEG Power	EV/EBITDA	1,286	8.00x	10,289
Energy Holdings/Parent	EV/EBITDA	74	8.00x	592
Total Non-Utility Enterprise Value				10,881
Less: Non-Utility Net Debt (2014E)				(2,913)
Non-Utility Equity Value				**7,967**
Total Equity Value				**16,649**
Diluted Average Shares Outstanding (2014E)				508
Equity Value Per Share				**$33**

Source: Deutsche Bank

Risks

Downside risks include lower gas prices, political and regulatory risks in New Jersey, and a reduction in the premium available in future BGS auctions. Upside risks include higher gas prices and improved supply/demand conditions in the Eastern PJM market, which would eventually lead to higher capacity prices. Incremental investment opportunities at the utility could also provide upside to earnings growth.

Southern Company (SO)

Valuation – Raising PT to $44 from $42

We calculate our $44 price target by applying a 15.0x P/E multiple to our 2014E of $2.95. We believe SO merits a 15% premium to peers, reflecting (1) above average regulatory certainty given favorable formula rate plans in Alabama and Mississippi, as well as a history of negotiating constructive rate plans in Georgia; (2) regulatory diversity with utilities in four states; (3) a better than average service territory; (4) strong growth prospects (4-7%); (5) a history of delivering on or exceeding management targets; and (6) a strong financial position.

Risks

Upside risks to our target include better-than-anticipated rate case outcomes, accelerations in construction schedules for major capital projects, higher-than-expected electric sales, lower-than-expected market interest rates, and lower-than-anticipated financing needs. Downside risks include worse-than-anticipated rate case outcomes, capital project delays, including SO's new nuclear project, lower-than-anticipated sales, higher interest rates, higher-than-anticipated financing needs, and reduced electricity demand.

TECO Energy (TE)

Valuation – Maintaining $16.50 PT

We continue to value TECO Energy using a sum-of-the-parts analysis, which is consistent with how we value most other stocks in our diversified utility coverage universe. However, our target price also attributes value to TE's above average and secure dividend yield of 5.0%, which significantly limits potential for a full downside case to be realized in the current low yield environment. In our sum-of-the-parts, we attribute $15.50 per share of value to TE's FL utilities by applying our average regulated utility P/E multiple target of 13.0x to our 2014E for Tampa Electric and Peoples Gas. We value TECO Guatemala at about $1/sh by applying a P/E multiple of 9x to our 2014E, a discount to the Florida utilities reflecting higher regulatory risk and lower visibility on the operations of this subsidiary. We calculate enterprise value of close to $750M for TECO Coal by applying an EV/EBITDA multiple of 6.0x to our 2014 EBITDA estimate of $125M. This is up a half turn from the multiple we previously incorporated but still on par with where coal stocks are trading. We value parent company overhead at -$15M by applying a 7x EV/EBITDA multiple to our estimate for corporate drag. We then subtract non-utility net debt of $994M to get to our total non-utility equity value of -$255M. Taken together this implies fundamental value of $15 per share. At this price TE's stock would have a dividend yield of 6.1%, which we believe is unlikely given 10- year treasury yields at 1.66% and average yields in the low 4% range for other utilities. We therefore add $1.50 to account for TE's dividend, which we view as secure.

Figure 38: TE Sum-of-the-Parts Valuation

Business Segment	Valuation Metric	2014E	Multiple	Value
Florida Utilities	P/E	1.20	13.0x	3,393
TECO Guatemala	P/E	0.10	9.0x	204
Total Utility Equity Value				**3,598**
TECO Coal	EV/EBITDA	125	6.0x	753
Parent Overhead	EV/EBITDA	(2)	7.0x	(15)
Less: Non-Utility Net Debt				(994)
Total Non-Utility Equity Value				**(255)**
Total Equity Value				**3,342**
Diluted Average Shares Outstanding				217
Equity Value Per Share				**$15.00**
Dividend Value				$1.50
Price Target				**$16.50**

Source: Deutsche Bank

Risks

We see the following upside risks to our valuation: faster-than-anticipated, economic recovery in Florida, faster-than-anticipated rate base growth at Tampa Electric and Peoples Gas, higher-than-forecast production and prices at TECO Coal, the sale of TECO Coal at a higher after-tax value than we have incorporated in our valuation, lower-than-expected operating expenses at all subsidiaries, lower-than-expected financing needs, and lower market interest rates. Downside risks include lower coal prices, a global recession, higher market interest rates, higher-than-anticipated operating expenses, higher-than-expected financing needs, and slower rate base growth at the FL utilities.

Xcel Energy (XEL)

Valuation

We are raising our price target for XEL from $27 to $28. We value XEL by applying a 14x P/E multiple to our 2014 EPS estimate of $2.00. Our multiple reflects an 8% premium to our target regulated utility multiple of 13x. In our view, XEL's service territory diversity helps reduce earnings volatility and reliance on a single regulatory agency and provides exposure to a variety of industries and economies. The different operating companies also allow XEL's capital spending program to not be dependent on any single project or state policy initiative. Among the various states in which XEL operates, we view their relationships with regulators to be generally constructive. We also believe that XEL's management team has established a solid track record of good execution and financial discipline. And we believe XEL merits a small premium for its proactive push to reduce the company's exposure to coal generation, though we acknowledge that XEL has the benefit of operating in states with attractive renewable development opportunities.

Risks

As a fully regulated utility, the most important downside risk we see is negative rate case decisions. XEL is also exposed to the general economic environment in its territories, and a continued sales decline would weaken earnings growth. Since XEL is fully regulated, we would view this as a risk more for the pressure it would put on regulators to find ways to mitigate potential rate impacts on customers. Upside risks

include a faster or stronger economic recovery in XEL's service territories than we expect and better rate case outcomes than we forecast.

Appendix 1

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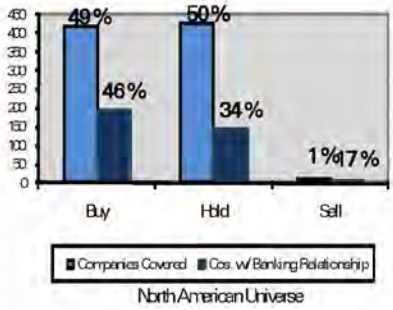

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To: mark.ferron@cpuc.ca.gov
Sent: 2/5/2013 12:24:19 PM
Subject: Visiting SF next week
Attachments: Attachment1; Attachment2

Good afternoon Commissioner Ferron. Hope all is well with you. I'm planning to be in San Francisco for some meetings next week - Tuesday specifically - including presenting on the utilities sector as an investment to some of the operational managers at PG&E. In any event I'm wondering whether you might have a small window of time to catch up on the electricity issues of the day. I might ask to bring John Kohli who manages the Franklin utility fund with me if you were amenable to that idea. I'm also trying to get an audience with your new colleague Commissioner Peterman so as to establish a dialog before bringing an investor group in next time. Regards, Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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From:	Jonathan Arnold
To:	scott.mosbaugh@cpuc.ca.gov
CC:	julie.fitch@cpuc.ca.gov; lauren.duke@db.com
Sent:	2/5/2013 12:35:00 PM
Subject:	Meeting Request Form
Attachments:	Attachment1; Attachment2; PetermanMeetingRequestform - DB.doc

Attached is a meeting request form for next week.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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California Public Utilities Commission
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Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: February 5, 2013
Person (and entity) requesting meeting: Jonathan Arnold, Managing Director, Deutsche Bank Securities
Docket # and Short Name:
Reason for the meeting: I am going to be in San Francisco next week and would be very interested in a brief meeting if Commissioner Peterman could spare a few minutes. By way of introduction I lead the Deutsche Bank equity research coverage of the California utilities and periodically bring groups of our institutional investor clients on fact finding/research visits to the Commission. On past visits we have met regularly with President Peevey, Commissioner Florio and more recently Commissioner Ferron as well as several of their predecessors. I anticipate hosting another such visit later in the year and would like to establish a dialog with Commissioner Peterman in advance of doing so. One of our top investor clients, John Kohli, who manages the $5B Franklin Utilities Fund out of San Mateo and is also responsible for another $8B of income funds would be interested in joining as well and is available Tuesday. John is one of the three largest active shareholders in all three of the major listed California utilities so certainly an interesting voice to hear and person to meet. We did something similar with Commissioner Ferron early in his tenure and I believe the meeting was of mutual benefit sharing views around key policy issues from the investor standpoint and establishing a dialog.
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? Yes ( ) No (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? Yes ( ) No (X) *If yes, Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman.*
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Jonathan Arnold, Deutsche Bank Securities John Kohli, Franklin Resources
Proposed date/time of meeting: In Person (X) Tuesday February 12, in 12pm-4pm window By phone ( )
Contact name, phone, e-mail: Jonathan Arnold, 212-250-3182, jonathan.arnold@db.com

Email meeting request to Scott Mosbaugh: scott.mosbaugh@cpuc.ca.gov
Please cc Julie Fitch: julie.fitch@cpuc.ca.gov

COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

---For Internal Use Only Do Not Write in This Space---

Advisor: _____

Comment:

Confirmed Date/Time for meeting:

Email meeting request to Scott Mosbaugh: scott.mosbaugh@cpuc.ca.gov
Please cc Julie Fitch: julie.fitch@cpuc.ca.gov

From: Ferron, Mark J.
To: Jonathan Arnold
CC: Banks, Juliane; Peterman, Carla J.; TerKeurst, Charlotte; Mosbaugh, Scott
Sent: 2/6/2013 9:21:17 AM
Subject: Re: Visiting SF next week

Hi Jonathan -

Good to hear from you.

I'd love to catch up, but unfortunately I will be in Sacramento on Tuesday next week and the rest of next week is very difficult (Wednesday is our regular public meeting, and I am out of the office on Thursday and Friday). I have copied my assistant, Juliane, to try to find a time slot in case you are still in SF on Monday or Wednesday.

I'm not sure when Commissioner Peterman will be in SF, but I most certainly can recommend that she meet with you and John (I have copied her and her assistant, Scott, as well).

Hope all is well with you.

Cheers

Mark

On Feb 5, 2013, at 12:24 PM, Jonathan Arnold <jonathan.arnold@db.com> wrote:

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<Mail Attachment.gif>

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

<Mail Attachment.jpeg>

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From:	Jonathan Arnold
To:	mark.ferron@cpuc.ca.gov
CC:	Peterman, Carla J.; TerKeurst, Charlotte; Banks, Juliane; Mosbaugh, Scott; lauren.duke@db.com
Sent:	2/6/2013 12:53:50 PM
Subject:	Re: Visiting SF next week
Attachments:	Attachment1

Thanks so much for your response and help Commissioner Ferron. Look forward to seeing you on another occasion. It is possible that I can be in San Francisco on Monday afternoon next week as well - just in case that were to work either for you or Commissioner Peterman. If not, I look forward to catching up with you on another occasion. Jonathan.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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Mobile +1 917 207 6953
Email jonathan.arnold@db.com

From:	"Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
To:	Jonathan Arnold/db/dbcom@DBAmericas,
Cc:	"Banks, Juliane" <juliane.banks@cpuc.ca.gov>, "Peterman, Carla J." <Carla.Peterman@cpuc.ca.gov>, "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Mosbaugh, Scott" <scott.mosbaugh@cpuc.ca.gov>
Date:	02/06/2013 12:21 PM
Subject:	Re: Visiting SF next week

Hi Jonathan -

Good to hear from you.

I'd love to catch up, but unfortunately I will be in Sacramento on Tuesday next week and the rest of next week is very difficult (Wednesday is our regular public meeting, and I am out of the office on Thursday and Friday). I have copied my assistant, Juliane, to try to find a time slot in case you are still in SF on Monday or Wednesday.

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Hope all is well with you.

Cheers

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<Mail Attachment.gif>

Jonathan Arnold
Managing Director | US Utilities & Power Research

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60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

<Mail Attachment.jpeg>

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From:	Peterman, Carla J.
To:	Jonathan Arnold; Ferron, Mark J.
CC:	TerKeurst, Charlotte; Banks, Juliane; Mosbaugh, Scott; lauren.duke@db.com
Sent:	2/6/2013 1:26:07 PM
Subject:	RE: Visiting SF next week
Attachments:	ATT00001.gif

Jonathan,

Thanks for your note. Unfortunately Mon and Tues next week are booked for me but lets schedule a meeting for the next time you are in town.

Carla Peterman

From: Jonathan Arnold [jonathan.arnold@db.com]
Sent: Wednesday, February 06, 2013 12:53 PM
To: Ferron, Mark J.
Cc: Peterman, Carla J.; TerKeurst, Charlotte; Banks, Juliane; Mosbaugh, Scott; lauren.duke@db.com
Subject: Re: Visiting SF next week

Thanks so much for your response and help Commissioner Ferron. Look forward to seeing you on another occasion. It is possible that I can be in San Francisco on Monday afternoon next week as well - just in case that were to work either for you or Commissioner Peterman. If not, I look forward to catching up with you on another occasion. Jonathan.

Jonathan Arnold
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Mobile +1 917 207 6953
Email jonathan.arnold@db.com

From:	"Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
To:	Jonathan Arnold/db/dbcom@DBAmericas,
Cc:	"Banks, Juliane" <juliane.banks@cpuc.ca.gov>, "Peterman, Carla J." <Carla.Peterman@cpuc.ca.gov>, "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Mosbaugh, Scott" <scott.mosbaugh@cpuc.ca.gov>
Date:	02/06/2013 12:21 PM
Subject:	Re: Visiting SF next week

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Cheers

Mark

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<Mail Attachment.gif>

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From: Jonathan Arnold
To: Carla.Peterman@cpuc.ca.gov
CC: TerKeurst, Charlotte; Banks, Juliane; lauren.duke@db.com; Ferron, Mark J.; Mosbaugh, Scott
Sent: 2/6/2013 1:53:53 PM
Subject: RE: Visiting SF next week
Attachments: Attachment1; Attachment2

Thanks so much for responding in person Commissioner Peterman. I look forward to meeting you when the opportunity arises. And if you should find yourself in New York and interested in some investor perspective please don't hesitate to reach out to me. Best of luck in the new role. It's an exciting time in the industry I think in a great many ways. Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

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Mobile +1 917 207 6953
Email jonathan.arnold@db.com

From: "Peterman, Carla J." <Carla.Peterman@cpuc.ca.gov>
To: Jonathan Arnold/db/dbcom@DBAmericas, "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>,
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Banks, Juliane" <juliane.banks@cpuc.ca.gov>, "Mosbaugh, Scott" <scott.mosbaugh@cpuc.ca.gov>, lauren.duke@db.com
Date: 02/06/2013 04:26 PM
Subject: RE: Visiting SF next week

Jonathan,

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Carla Peterman

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Sent: Wednesday, February 06, 2013 12:53 PM
To: Ferron, Mark J.
Cc: Peterman, Carla J.; TerKeurst, Charlotte; Banks, Juliane; Mosbaugh, Scott; lauren.duke@db.com
Subject: Re: Visiting SF next week

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From: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>

To: Jonathan Arnold/db/dbcom@DBAmericas,

Cc: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>, "Peterman, Carla J." <Carla.Peterman@cpuc.ca.gov>, "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>, "Mosbaugh, Scott" <scott.mosbaugh@cpuc.ca.gov>

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From: Lauren Duke
To: Carol Brown; Nuria Gonzales
Sent: 1/8/2014 2:24:32 PM
Subject: Request for Call with President Peevey

Hi Carol and Nuria,

I'm hoping you both still work with President Peevey and might be able to help me! I've spoken to you both a number of times setting up meetings when Jonathan Arnold and I travel to San Francisco for visits with the Commission. I was wondering if President Peevey would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something President Peevey would be willing to do? Thank you in advance!

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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From: Lauren Duke
To: jbd@cpuc.ca.gov; skh@cpuc.ca.gov
Sent: 1/8/2014 2:28:45 PM
Subject: Request for Call with Commissioner Florio

Hi Sepideh and Joan,

I'm hoping you both still work with Commissioner Florio and might be able to help me! Joan, I worked with you previously when Jonathan Arnold and I traveled to San Francisco for visits with the Commission. I was wondering if Commissioner Florio would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something Commissioner Florio would be willing to do? Thank you in advance!

Lauren Backor Duke
Vice President | US Utilities & Power Research

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From:	Dahlgren, Joan
To:	Lauren Duke; Khosrowjah, Sepideh
Sent:	1/8/2014 2:39:18 PM
Subject:	RE: Request for Call with Commissioner Florio
Attachments:	REVISED_MEETING_REQUEST_FINAL.doc

Hello Lauren,

Can you kindly fill out the attached meeting request with a range of preferred dates for this call, and I will review with Sepideh. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, January 08, 2014 2:29 PM
To: Dahlgren, Joan; Khosrowjah, Sepideh
Subject: Request for Call with Commissioner Florio

Hi Sepideh and Joan,

I'm hoping you both still work with Commissioner Florio and might be able to help me! Joan, I worked with you previously when Jonathan Arnold and I traveled to San Francisco for visits with the Commission. I was wondering if Commissioner Florio would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something Commissioner Florio would be willing to do? Thank you in advance!

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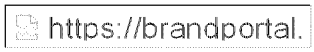

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date:
Party requesting meeting:
Docket # and Short Name:
Reason for the meeting:
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy ( ) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* ( ) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* ( ) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* ( )
Has or will a hearing be held in this matter? *Yes* ( ) *No* ( )
Attendees (name, title, company) Attach additional sheet if necessary:
Proposed date/time of meeting:
Contact name, Phone, e-mail:
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Lauren Duke
To: Dahlgren, Joan; Khosrowjah, Sepideh
Sent: 1/9/2014 6:07:57 AM
Subject: RE: Request for Call with Commissioner Florio
Attachments: DB_MEETING_REQUEST.doc

Hi Joan,

Please see attached. Thank you.

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 5:39 PM
To: Lauren Duke; Khosrowjah, Sepideh
Subject: RE: Request for Call with Commissioner Florio

Hello Lauren,

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Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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Sent: Wednesday, January 08, 2014 2:29 PM

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Subject: Request for Call with Commissioner Florio

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Tel. +1(212)250-8204
Email lauren.duke@db.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 1/8/2014
Party requesting meeting: Jonathan Arnold/Lauren Duke – Deutsche Bank
Docket # and Short Name: Variety of electric and gas issues relevant to IOUs
Reason for the meeting: We are just looking to get a feel for Commissioner Florio's views on relevant electric and gas issues including the regulatory process in general, safety, generation and transmission planning, and rate design among other topics.
If the commissioner is not available, are you willing to meet with an advisor only? Potentially
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* ( )
Attendees (name, title, company) Attach additional sheet if necessary: Jonathan Arnold, Managing Director (Utilities & Power Equity Research Analyst), Deutsche Bank Lauren Duke, Vice President (Utilities & Power Equity Research Analyst), Deutsche Bank
Proposed date/time of meeting: We are very flexible on timing for this conference call and can accommodate Commissioner Florio's schedule.
Contact name, Phone, e-mail: Lauren Duke, 212-250-8204, lauren.duke@db.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Dahlgren, Joan
To: Lauren Duke
Sent: 1/10/2014 1:33:18 PM
Subject: RE: Request for Call with Commissioner Florio

Hi Lauren,

Thank you for filling out the meeting request. Can you kindly supply a range of dates that will work for you? It will facilitate our scheduling. Thanks.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Thursday, January 09, 2014 6:08 AM
To: Dahlgren, Joan; Khosrowjah, Sepideh
Subject: RE: Request for Call with Commissioner Florio

Hi Joan,

Please see attached. Thank you.

htt

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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https://brandportal.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 5:39 PM
To: Lauren Duke; Khosrowjah, Sepideh
Subject: RE: Request for Call with Commissioner Florio

Hello Lauren,

Can you kindly fill out the attached meeting request with a range of preferred dates for this call, and I will review with Sepideh. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, January 08, 2014 2:29 PM
To: Dahlgren, Joan; Khosrowjah, Sepideh
Subject: Request for Call with Commissioner Florio

Hi Sepideh and Joan,

I'm hoping you both still work with Commissioner Florio and might be able to help me! Joan, I worked with you previously when Jonathan Arnold and I traveled to San Francisco for visits with the Commission. I was wondering if Commissioner Florio would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something Commissioner Florio would be willing to do? Thank you in advance!

---

htt

Lauren Backor Duke
Vice President | US Utilities & Power Research

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From: Lauren Duke
To: Dahlgren, Joan
Sent: 1/10/2014 1:41:13 PM
Subject: RE: Request for Call with Commissioner Florio

Sure! I was trying to be broad because we really are flexible. This month, we are available all of next week (1/13-1/17); the following week we would be most available on Tuesday (1/21), although we could certainly find time on the other days with some notice; the last week of January we are available all week (1/27-1/31).

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Friday, January 10, 2014 4:33 PM
To: Lauren Duke
Subject: RE: Request for Call with Commissioner Florio

Hi Lauren,

Thank you for filling out the meeting request. Can you kindly supply a range of dates that will work for you? It will facilitate our scheduling. Thanks.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Thursday, January 09, 2014 6:08 AM
To: Dahlgren, Joan; Khosrowjah, Sepideh
Subject: RE: Request for Call with Commissioner Florio

Hi Joan,

Please see attached. Thank you.

htt

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
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Email lauren.duke@db.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, January 08, 2014 5:39 PM
To: Lauren Duke; Khosrowjah, Sepideh
Subject: RE: Request for Call with Commissioner Florio

Hello Lauren,

Can you kindly fill out the attached meeting request with a range of preferred dates for this call, and I will review with Sepideh. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Wednesday, January 08, 2014 2:29 PM
To: Dahlgren, Joan; Khosrowjah, Sepideh
Subject: Request for Call with Commissioner Florio

Hi Sepideh and Joan,

I'm hoping you both still work with Commissioner Florio and might be able to help me! Joan, I worked with you previously when Jonathan Arnold and I traveled to San Francisco for visits with the Commission. I was wondering if Commissioner Florio would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and

Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something Commissioner Florio would be willing to do? Thank you in advance!

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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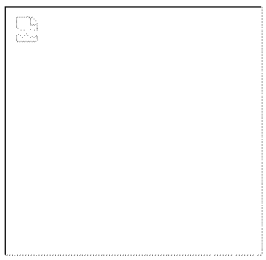
From: Dahlgren, Joan
To: Lauren Duke (lauren.duke@db.com)
Sent: 1/10/2014 4:17:06 PM
Subject: Mtg_confirmation_form_for_DeutscheBank_request_dated_01-08-14_

State of California

Memorandum



Date: January 10, 2014

To: Lauren Duke, Deutsche Bank
Cc:
From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 01/08/2014**

This will confirm that your meeting request for the above date has been set for (January 30,1:30-2:30pm PST) with (Commissioner Florio, Sepideh Khosrowjah, Rachel Peterson, Marcelo Poirier),(Conference Call). *

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

*Please provide us with a conference line for us to call you no later than 24 hours prior. Alternatively, please let us know if you will be in separate locations and we will provide you with a PUC conference call link. Again, please do so no later than 24 hours prior. Thank you.

From: Lauren Duke
To: Nuria Gonzales
Sent: 1/14/2014 10:10:25 AM
Subject: FW: Request for Call with President Peevey

Hi Nuria,

I just wanted to follow up with you on my request below. Thank you.

Lauren Duke

From: Lauren Duke
Sent: Wednesday, January 08, 2014 5:25 PM
To: 'Carol Brown'; Nuria Gonzales
Subject: Request for Call with President Peevey

Hi Carol and Nuria,

I'm hoping you both still work with President Peevey and might be able to help me! I've spoken to you both a number of times setting up meetings when Jonathan Arnold and I travel to San Francisco for visits with the Commission. I was wondering if President Peevey would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something President Peevey would be willing to do? Thank you in advance!

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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From:	Gonzalez, Nuria
To:	Lauren Duke
Sent:	1/14/2014 11:24:11 AM
Subject:	RE: Request for Call with President Peevey
Attachments:	PEEVEY MEETING REQUEST FORM NEW, 2010 REVISED.doc

Hi Lauren,
Could you please complete the attached form?. Thanks!

Nuria

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Tuesday, January 14, 2014 10:10 AM
To: Gonzalez, Nuria
Subject: FW: Request for Call with President Peevey

Hi Nuria,

I just wanted to follow up with you on my request below. Thank you.

Lauren Duke

From: Lauren Duke
Sent: Wednesday, January 08, 2014 5:25 PM
To: 'Carol Brown'; Nuria Gonzales
Subject: Request for Call with President Peevey

Hi Carol and Nuria,

I'm hoping you both still work with President Peevey and might be able to help me! I've spoken to you both a number of times setting up meetings when Jonathan Arnold and I travel to San Francisco for visits with the Commission. I was wondering if President Peevey would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something President Peevey would be willing to do? Thank you in advance!

---

htt

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: ( ) Party requesting conference call:
Today's date:
Docket or proceeding #
Reason for the meeting:
Industry (*please indicate with an X*) **ENERGY ( ) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO( )
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company) - Number of attendees _____
Proposed date/time of meeting:
Contact name:
Contact phone:

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 11/10/2010

From:	Lauren Duke
To:	Gonzalez, Nuria
Sent:	1/14/2014 11:37:11 AM
Subject:	RE: Request for Call with President Peevey
Attachments:	PEEVEY MEETING REQUEST DEUTSCHE BANK.doc

Sure Nuria. Please see attached.

Lauren

From: Gonzalez, Nuria [mailto:nuria.gonzalez@cpuc.ca.gov]
Sent: Tuesday, January 14, 2014 2:24 PM
To: Lauren Duke
Subject: RE: Request for Call with President Peevey

Hi Lauren,
Could you please complete the attached form?. Thanks!

Nuria

From: Lauren Duke [mailto:lauren.duke@db.com]
Sent: Tuesday, January 14, 2014 10:10 AM
To: Gonzalez, Nuria
Subject: FW: Request for Call with President Peevey

Hi Nuria,

I just wanted to follow up with you on my request below. Thank you.

Lauren Duke

From: Lauren Duke
Sent: Wednesday, January 08, 2014 5:25 PM
To: 'Carol Brown'; Nuria Gonzales
Subject: Request for Call with President Peevey

Hi Carol and Nuria,

I'm hoping you both still work with President Peevey and might be able to help me! I've spoken to you both a number of times setting up meetings when Jonathan Arnold and I travel to San Francisco for visits with the Commission. I was wondering if President Peevey would be willing to do a conference call with Jonathan (Deutsche Bank's Senior Utilities and Power Research Analyst) and me on California regulatory issues that would be relevant to electric utility investors. It would just be the two of us – no investors – and we would of course be mindful of the ex parte rules and regulations and would not expect our discussion to meet that standard. Would this be something President Peevey would be willing to do? Thank you in advance!

---

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Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets

60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: (X) Party requesting conference call: Jonathan Arnold/Lauren Duke – Deutsche Bank
Today's date: 1/14/2014
Docket or proceeding # Variety of electric and gas issues relevant to IOUs
Reason for the meeting: We are just looking to get a feel for President Peevey's views on relevant electric and gas issues including the regulatory process in general, safety, generation and transmission planning, and rate design among other topics.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company) - Number of attendees ___**2**_____ Jonathan Arnold, Managing Director (Utilities & Power Equity Research Analyst), Deutsche Bank Lauren Duke, Vice President (Utilities & Power Equity Research Analyst), Deutsche Bank
Proposed date/time of meeting: We are very flexible on timing for this conference call and can accommodate President Peevey's schedule
Contact name: Lauren Duke
Contact phone: 212-250-8204

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 1/14/2014

From: Lauren Duke
To: Dahlgren, Joan
Sent: 1/27/2014 8:05:38 AM
Subject: RE: Mtg_confirmation_form_for_DeutscheBank_request_dated_01-08-14_

Hi Joan,

Please use the following conference call dial-in for our call this Thursday.

Dial: 866-410-4581
Passcode: 12503182#

Thanks again for your help setting up this call!

htt

Lauren Backor Duke
Vice President | US Utilities & Power Research

Deutsche Bank Securities Inc.
Global Markets
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1(212)250-8204
Email lauren.duke@db.com

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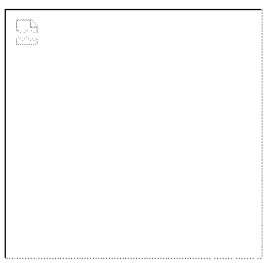
https://brandportal.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Friday, January 10, 2014 7:17 PM
To: Lauren Duke
Subject: Mtg_confirmation_form_for_DeutscheBank_request_dated_01-08-14_

State of California

Memorandum



Date: January 10, 2014

To: Lauren Duke, Deutsche Bank
Cc:

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 01/08/2014**

This will confirm that your meeting request for the above date has been set for (January 30,1:30-2:30pm PST) with (Commissioner Florio, Sepideh Khosrowjah, Rachel Peterson, Marcelo Poirier),(Conference Call). *

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

*Please provide us with a conference line for us to call you no later than 24 hours prior. Alternatively, please let us know if you will be in separate locations and we will provide you with a PUC conference call link. Again, please do so no later than 24 hours prior. Thank you.

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From:	Jonathan Arnold
To:	bnk@cpuc.ca.gov
CC:	Jonathan Arnold; cft@cpuc.ca.gov
Sent:	2/24/2014 10:23:13 AM
Subject:	Commr Picker Meeting Request - Deutsche Bank - Mar 3
Attachments:	Commr Picker Meeting Request - Deutsche Bank - Mar 3, 2014.pdf

Good afternoon Juliane. Attached is a meeting request form for March 3. I realize this is short notice, but it so happens that I have to be in San Francisco and I thought I would see if Commissioner Picker would be willing to meet with me – primarily purpose would be to get acquainted and exchange some high level views on regulatory perspectives and emerging issues in the electric utility arena. You may recall that I did something similar with Commissioner Ferron shortly after his arrival. Copying Charlotte here too who attended at least one of those meetings. Best regards, Jonathan Arnold.

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Michael Picker
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)
- ☐ To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)
- ☐ *For Fax, send all to 415-703-1903*

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: JONATHAN ARNOLD (DEUTSCHE BANK)	**Today's Date:** 2/24/2014
2. Reason for meeting (subject, topic, issues): Get acquainted and exchange thoughts on topical utilities and power sector issues. Learn more about Commissioner Picker's regulatory perspectives and plans at the CPUC. Begin dialog with financial community representatives.	
3. Docket or Proceeding # (if applicable) and case name: NONE SPECIFIC	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): MONDAY MARCH 3, LATE A.M. OR P.M.	☒ **In Person** ☐ **By phone**
Proposed staff: ☒ **Comr. Picker*** ☒ **Charlotte TerKeurst** ☒ **Nick Chaset** ☐ ☐	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☒ Assign an advisor	
6. Industry: ☒ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**	
7a. Proceeding category: N/A ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☒ No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No N/A If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding: GENERAL DISCUSSION	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
JONATHAN ARNOLD	DEUTSCHE BANK SECURITIES	MANAGING DIRECTOR/RESEARCH ANALYST
JOHN KOHLI	FRANKLIN TEMPLETON	PORTFOLIO MANAGER

10. List your contact information:

Contact name: JONATHAN ARNOLD		**E-mail:** jonathan.arnold@db.com
Office phone: 212 250 3182	**Cell:** 917 207 6953	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Picker, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Picker.***

From: Jonathan Arnold
To: 'juliane.banks@cpuc.ca.gov'; 'bnk@cpuc.ca.gov'
CC: Lauren Duke
Sent: 2/27/2014 10:14:43 AM
Subject: Monday 3rd

Classification: External Communication

Thanks so much for your message Juliane. I just boarded a cross country flight but my colleague Lauren Duke is going to reach out to you and schedule this. I have some gaps so should be workable. Regards, Jonathan.

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From: Banks, Juliane
To: Jonathan Arnold
CC: Lauren Duke
Sent: 2/27/2014 10:16:02 AM
Subject: RE: Monday 3rd

Okay, thank you and have a have a safe flight.

Juliane
415-703-2284

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Thursday, February 27, 2014 10:15 AM
To: Banks, Juliane; Banks, Juliane
Cc: Lauren Duke
Subject: Monday 3rd

Classification: External Communication

Thanks so much for your message Juliane. I just boarded a cross country flight but my colleague Lauren Duke is going to reach out to you and schedule this. I have some gaps so should be workable. Regards, Jonathan.

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From: Jonathan Arnold
To: 'juliane.banks@cpuc.ca.gov'
Sent: 2/27/2014 10:28:10 AM
Subject: Re: Monday 3rd

Classification: External Communication

Thanks Juliane. Would you object if I invited a couple of other clients to join if available in addition to Mr Kohli. Would keep the group to at very most five of us. Jonathan.

----- Original Message -----
From: Banks, Juliane <juliane.banks@cpuc.ca.gov>
To: Jonathan Arnold
Cc: Lauren Duke
Sent: Thu Feb 27 12:16:02 2014
Subject: RE: Monday 3rd

Okay, thank you and have a have a safe flight.

Juliane
415-703-2284

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Thursday, February 27, 2014 10:15 AM
To: Banks, Juliane; Banks, Juliane
Cc: Lauren Duke
Subject: Monday 3rd

Classification: External Communication

Thanks so much for your message Juliane. I just boarded a cross country flight but my colleague Lauren Duke is going to reach out to you and schedule this. I have some gaps so should be workable. Regards, Jonathan.

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From: Banks, Juliane
To: Jonathan Arnold
Sent: 2/27/2014 10:29:32 AM
Subject: RE: Monday 3rd

That's fine.

Juliane
415-703-2284

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Thursday, February 27, 2014 10:28 AM
To: Banks, Juliane
Subject: Re: Monday 3rd

Classification: External Communication

Thanks Juliane. Would you object if I invited a couple of other clients to join if available in addition to Mr Kohli. Would keep the group to at very most five of us. Jonathan.

----- Original Message -----
From: Banks, Juliane <juliane.banks@cpuc.ca.gov>
To: Jonathan Arnold
Cc: Lauren Duke
Sent: Thu Feb 27 12:16:02 2014
Subject: RE: Monday 3rd

Okay, thank you and have a have a safe flight.

Juliane
415-703-2284

-----Original Message-----
From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Thursday, February 27, 2014 10:15 AM
To: Banks, Juliane; Banks, Juliane
Cc: Lauren Duke
Subject: Monday 3rd

Classification: External Communication

Thanks so much for your message Juliane. I just boarded a cross country flight but my colleague Lauren Duke is going to reach out to you and schedule this. I have some gaps so should be workable. Regards, Jonathan.

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From: Picker, Michael on behalf of Banks, Juliane
To: Lauren Duke (lauren.duke@db.com); Jonathan Arnold (jonathan.arnold@db.com); TerKeurst, Charlotte; Chaset, Nicolas L.; Koss, Kenneth L.
Sent: 2/27/2014 10:32:26 AM
Subject: Deutsche Bank Mtg
Attachments: ATT35166 1.jpg; Attachment1

BNK 2/27/14

Contact: Jonathan Arnold 917-207-6993

1. Person (and company) requesting meeting: JONATHAN ARNOLD (DEUTSCHE BANK)

Today's Date: 2/24/2014

2. Reason for meeting (subject, topic, issues): Get acquainted and exchange thoughts on topical utilities and power sector issues. Learn more about Commissioner Picker's regulatory perspectives and plans at the CPUC. Begin dialog with financial community representatives.

3. Docket or Proceeding # (if applicable) and case name: NONE SPECIFIC

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): MONDAY MARCH 3, LATE A.M. OR P.M. ☒ In Person ☐ By phone

Proposed staff: ☒ Comr. Picker* ☒ Charlotte TerKeurst ☒ Nick Chaset ☐ ☐

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☐ Cancel this meeting request ☒ Assign an advisor

6. Industry: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

7a. Proceeding category: N/A ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☒ No

7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No N/A
If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding: GENERAL DISCUSSION

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
JONATHAN ARNOLD	DEUTSCHE BANK SECURITIES	MANAGING DIRECTOR/RESEARCH ANALYST
JOHN KOHLI	FRANKLIN TEMPLETON	PORTFOLIO MANAGER

10. List your contact information:

Contact name: JONATHAN ARNOLD **E-mail:** jonathan.arnold@db.com

Office phone: 212 250 3182 **Cell:** 917 207 6953 **Fax No.:**

Name: Attachment1

From: Jonathan Arnold
To: 'Picker, Michael'
Sent: 2/27/2014 10:33:55 AM
Subject: Accepted: Deutsche Bank Mtg
Attachments: Attachment1

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Name: Attachment1

From: Jonathan Arnold
To: 'cft'
CC: 'Juliane Banks'
Sent: 3/3/2014 2:37:17 PM
Subject: Thank you

Good afternoon Charlotte. Many thanks for meeting with us this morning. We enjoyed getting to hear Commissioner Picker's perspectives very much indeed and please convey our thanks to him for his time. I'm also wondering if you could confirm the names of your two other colleagues who joined the meeting. I did not get cards for the gentleman in the suit seemed keen to follow up on some of the regulatory practices discussion. Again, thanks to you all for your time and thank you to Juliane for facilitating at short notice. Jonathan Arnold.

Jonathan Arnold
Utilities & Power Equity Research
Deutsche Bank Securities, Inc.
jonathan.arnold@db.com
+1 212 250 3182
Sent with Good (www.good.com)

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From: Banks, Juliane
To: Jonathan Arnold; TerKeurst, Charlotte
Sent: 3/3/2014 4:57:13 PM
Subject: RE: Thank you

Hi Jonathan,

You are very welcome; glad it worked out for everyone.

The names of the two other staff members in the meeting were:

- Ken Koss
- Nick Chaset (the person in the suit)

Thanks,

Juliane
415-703-2284

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Monday, March 03, 2014 2:37 PM
To: TerKeurst, Charlotte
Cc: Banks, Juliane
Subject: Thank you

Good afternoon Charlotte. Many thanks for meeting with us this morning. We enjoyed getting to hear Commissioner Picker's perspectives very much indeed and please convey our thanks to him for his time. I'm also wondering if you could confirm the names of your two other colleagues who joined the meeting. I did not get cards for the gentleman in the suit seemed keen to follow up on some of the regulatory practices discussion. Again, thanks to you all for your time and thank you to Juliane for facilitating at short notice. Jonathan Arnold.

Jonathan Arnold
Utilities & Power Equity Research
Deutsche Bank Securities, Inc.
jonathan.arnold@db.com
+1 212 250 3182
Sent with Good (www.good.com)

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From: Chaset, Nicolas L.
To: jonathan.arnold@db.com
Sent: 3/4/2014 10:25:10 AM
Subject: follow up

Jonathan
Pleasure meeting you yesterday. I would appreciate an opportunity to set up a follow on discussion with you in the coming weeks. Please let me know when you might be available for a call.
Regards

Nicolas Chaset
Advisor
Office of Commissioner Michael Picker
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

From: Jonathan Arnold
To: 'nicolas.chaset@cpuc.ca.gov'
CC: Lauren Duke
Sent: 3/4/2014 4:07:47 PM
Subject: Re: follow up

Classification: External Communication

Good to meet you too. I am available for a call on Monday or Tuesday of next week if that works. Currently fairly wide open between 10am and 1pm PT both days. Jonathan.

From: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
To: Jonathan Arnold
Sent: Tue Mar 04 12:25:10 2014
Subject: follow up

Jonathan
Pleasure meeting you yesterday. I would appreciate an opportunity to set up a follow on discussion with you in the coming weeks. Please let me know when you might be available for a call.
Regards

Nicolas Chaset
Advisor
Office of Commissioner Michael Picker
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

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From: Chaset, Nicolas L.
To: jonathan.arnold@db.com
Sent: 3/5/2014 9:24:42 AM
Subject: continue discussion
Attachments: Attachment1

Name: Attachment1

From: Jonathan Arnold
To: Chaset, Nicolas L.
Sent: 3/5/2014 9:41:41 AM
Subject: Accepted: continue discussion
Attachments: Attachment1

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Name: Attachment1

From: Chaset, Nicolas L.
To: Jonathan Arnold
Sent: 3/10/2014 10:02:59 AM
Subject: RE: follow up

Calling you in 1 minute

Nicolas Chaset
Special Advisor for Distributed Energy Resources
Office of Governor Edmund G Brown, Jr
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, March 04, 2014 10:26 AM
To: Chaset, Nicolas L.
Subject: Out of Office: follow up

I am out of the office marketing and return Wednesday Mar 5. In the meantime my response to email and voicemail may be delayed. For anything urgent please call Marlene Clayton on +1-212-250-8457 or marlene.clayton@db.com.

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From: Chaset, Nicolas L.
To: Jonathan Arnold
Sent: 3/10/2014 10:04:24 AM
Subject: RE: follow up

Jonathan
I seem to have misplaced your card. Could you either give me a ring at 510 219 2121 or send me your number?

Nicolas Chaset
Special Advisor for Distributed Energy Resources
Office of Governor Edmund G Brown, Jr
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, March 04, 2014 4:08 PM
To: Chaset, Nicolas L.
Cc: Lauren Duke
Subject: Re: follow up

Classification: External Communication

Good to meet you too. I am available for a call on Monday or Tuesday of next week if that works. Currently fairly wide open between 10am and 1pm PT both days. Jonathan.

From: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
To: Jonathan Arnold
Sent: Tue Mar 04 12:25:10 2014
Subject: follow up

Jonathan
Pleasure meeting you yesterday. I would appreciate an opportunity to set up a follow on discussion with you in the coming weeks. Please let me know when you might be available for a call.
Regards

Nicolas Chaset
Advisor
Office of Commissioner Michael Picker
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

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From: Jonathan Arnold
To: Chaset, Nicolas L.
Sent: 3/10/2014 10:58:19 AM
Subject: RE: follow up

Sorry. Just saw this now. Try to stay off email while on the phone in the interests of focus! Here's my email tag with all the details. Jonathan.

Jonathan Arnold
Managing Director | US Utilities & Power Research

Deutsche Bank Securities Inc.
60 Wall Street, 10005-2836 New York, NY, USA
Tel. +1 212 250 3182 / AOL: JonathanArnoldDB
Mobile +1 917 207 6953
Email jonathan.arnold@db.com

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From: Chaset, Nicolas L. [mailto:nicolas.chaset@cpuc.ca.gov]
Sent: Monday, March 10, 2014 1:04 PM
To: Jonathan Arnold
Subject: RE: follow up

Jonathan
I seem to have misplaced your card. Could you either give me a ring at 510 219 2121 or send me your number?

Nicolas Chaset
Special Advisor for Distributed Energy Resources
Office of Governor Edmund G Brown, Jr
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

From: Jonathan Arnold [mailto:jonathan.arnold@db.com]
Sent: Tuesday, March 04, 2014 4:08 PM
To: Chaset, Nicolas L.
Cc: Lauren Duke
Subject: Re: follow up

Classification: External Communication

Good to meet you too. I am available for a call on Monday or Tuesday of next week if that works. Currently fairly wide open between 10am and 1pm PT both days. Jonathan.

From: Chaset, Nicolas L. <nicolas.chaset@cpuc.ca.gov>
To: Jonathan Arnold
Sent: Tue Mar 04 12:25:10 2014
Subject: follow up

Jonathan

Pleasure meeting you yesterday. I would appreciate an opportunity to set up a follow on discussion with you in the coming weeks. Please let me know when you might be available for a call.
Regards

Nicolas Chaset
Advisor
Office of Commissioner Michael Picker
California Public Utilities Commission
Email: Nicolas.chaset@cpuc.ca.gov
Phone: 510 219 2121

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From: Senchak, Scott (Decade Capital)
To: 'pac@cpuc.ca.gov'
CC: 'am3@cpuc.ca.gov'
Sent: 5/6/2013 3:05:53 PM
Subject: quick question

Paul,

My name is Scott Senchak and I recently met with you a couple months ago with an investor group. I'm trying to figure out how much of your $2.25b penalty recommendation was already disallowed in the PSEP orders. I noticed that there was an amendment order on 5/2/13 that added some requirements to the PSEP for PG&E. Do you envision those new requirements to be a part of the $2.25b penalty?

Additionally, if you can answer this question... how much of the $2.25b penalty was already disallowed or spent by the PSEP?

Thanks,
Scott

Scott Senchak
Decade Capital Management LLC
666 Fifth Avenue New York, NY 10103
p. 212-320-1933
f. 212-320-1472
scott.senchak@decade-llc.com

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From: Smith, Andrew L
To: 'pac@cpuc.ca.gov'
Sent: 5/24/2011 3:20:33 PM
Subject: Thank you

Paul,
Thanks for taking the time to meet with us this morning. Clients all said it was the best meeting of the trip.
Andy
This email is confidential and subject to important disclaimers and conditions including on offers for the purchase or sale of securities, accuracy and completeness of information, viruses, confidentiality, legal privilege, and legal entity disclaimers, available at http://www.jpmorgan.com/pages/disclosures/email.

From: Smith, Andrew L
To: 'paul.clanon@cpuc.ca.gov'
Sent: 5/24/2011 3:26:53 PM
Subject: Re: Thank you

Too late...I took copious notes!

----- Original Message -----
From: Clanon, Paul <paul.clanon@cpuc.ca.gov>
To: Smith, Andrew L
Sent: Tue May 24 18:22:27 2011
Subject: RE: Thank you

Ha! I take it all back!

Sorry I didn't get a chance to visit more. Next time.

-----Original Message-----
From: Smith, Andrew L [mailto:andrew.l.smith@jpmorgan.com]
Sent: Tuesday, May 24, 2011 3:21 PM
To: Clanon, Paul
Subject: Thank you

Paul,
Thanks for taking the time to meet with us this morning. Clients all said it was the best meeting of the trip.
Andy
This email is confidential and subject to important disclaimers and conditions including on offers for the purchase or sale of securities, accuracy and completeness of information, viruses, confidentiality, legal privilege, and legal entity disclaimers, available at http://www.jpmorgan.com/pages/disclosures/email.

From:	Dandurand, Michael J
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Sent:	5/16/2012 9:14:52 AM
Subject:	Meeting Request with JP Morgan Equity Research
Attachments:	REVISEDMEETINGREQUEST.doc

Meeting request form attached for potential June 14, 2012 meeting with Commissioner Florio. Feel free to contact me with any questions. Thank you.

Michael J. Dandurand | US Electric Utilities & IPPs | Equity Research | **J.P. Morgan** | 383 Madison Ave, Fl. 34, New York, NY 10179 | T: 212-622-6432 | M: 917-214-7449 | michael.j.dandurand@jpmorgan.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 05/16/2012
Party requesting meeting: Michael J. Dandurand (JP Morgan Equity Analyst)
Docket # and Short Name: Meeting with JP Morgan Equity Research
Reason for the meeting: We have recently assumed coverage of the California utilities and would like to schedule a introductory meeting in June to discuss California Energy Policy, your goals/objectives for the Commission, and how they both relate to the ratemaking process. We are initially targeting the week of June 11-15 if there is availability in your schedule. Please let me know if that week, or another time would work for a potential meeting. Thank you.
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (x) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Michael J. Dandurand, Equity Analyst, JP Morgan
Proposed date/time of meeting: June 14, 2012 (Morning)
Contact name, Phone, e-mail: Michael J. Dandurand T: 212-622-6432 E: michael.j.dandurand@jpmorgan.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Dandurand, Michael J
To:	rsm@cpuc.ca.gov
CC:	prw@cpuc.ca.gov
Sent:	5/16/2012 9:37:56 AM
Subject:	Meeting Request with JP Morgan Equity Research
Attachments:	MeetingRequestFormSept2011v2-doc.zip

Meeting request form attached for potential June 14, 2012 meeting with Commissioner Simon. Feel free to contact me with any questions. Thank you.

Michael J. Dandurand | US Electric Utilities & IPPs | Equity Research | **J.P. Morgan** | 383 Madison Ave, Fl. 34, New York, NY 10179 | T: 212-622-6432 | M: 917-214-7449 | michael.j.dandurand@jpmorgan.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon
Meeting Request Form

Return the completed meeting requests, as follows:

- **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**
- ***For Fax, send all*** **to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. Person (and company) requesting meeting: **Michael J. Dandurand (JP Morgan Equity Research)**	**Today's Date:** **05/16/2012**
2. Reason for meeting (subject, topic, issues): **California Energy Policy, goal/objectives of the commission, and how both impact the ratemaking process.**	
3. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): June 14, 2012 A.M.	☐ In Person ☐ By phone
Proposed staff: ☒ Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh ☐Bishu Chatterjee	
4. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☒ Assign an advisor	
5. Industry: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General	
6. Is this proceeding subject to SB 960? ☐ Yes ☒ No ☐ Do not know	
7. If subject to SB 960, select category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement: **I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:** **0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting 2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))** **0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___**	
8. Docket number(s): Proceeding description:	
9. Is this a commission meeting agenda item? ☐ Yes ☐ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: sequence or item number:	

10. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Michael J. Dandurand	**Yes (Pg. 2)**	**JP Morgan**	**Equity Analyst**

9. **List your contact information:**

Contact name: Michael J. Dandurand		E-mail: michael.j.dandurand@jpmorgan.com
Office phone: 212-622-6432	Cell: 917-214-7449	Fax No.: N/A
Office use only:		
TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

Bio:

Michael J. Dandurand is an equity analyst covering Electric Utilities and Independent Power Producers. Prior to joining the securities industry he worked as an engineer at General Electric's nuclear power business and Consolidated Edison's electric distribution business. He earned a bachelors degree in mechanical engineering from Pennsylvania State University, and an MBA from New York University's Stern School of Business.

From: Dahlgren, Joan
To: michael.j.dandurand@jpmorgan.com
Sent: 5/18/2012 12:03:09 PM
Subject: Meeting_Request_with_MDandurand_JPMorgan_dated_05_16_12--Meeting Confirmation
Attachments: Meeting_Request_with_MDandurand_JPMorgan_dated_05_16_12.doc

State of California

Memorandum

Date: May 18, 2012

To: Michael Dandurand

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated May 16, 2012**

This will confirm that your meeting request for the above date has been set for (June 14, 2012, 10:00), (Room 5209) with (Commissioner Florio, Matthew Tisdale). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From: Turnure, Christopher
To: Dahlgren, Joan
Sent: 6/12/2012 2:59:08 PM
Subject: Meeting cancellation

Joan,

My colleague Mike Dandurand had call scheduled with Commissioner Florio for Thursday I believe. We very much appreciate him making the time but unfortunately will not be able to speak with him due to Mike having recently departed the firm.

Thank you and regards,

Chris

Christopher Turnure | US Electric Utilities & IPPs | Equity Research | **J.P. Morgan** | 383 Madison Ave, Fl. 34, New York, NY 10179 | T: 212-622-5696 | M: 201-206-6268 | christopher.turnure@jpmorgan.com

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From:	Martinez, MaryLou X
To:	rsm@cpuc.ca.gov; cmf@cpuc.ca.gov
CC:	jf2@cpuc.ca.gov
Sent:	9/5/2013 10:18:32 AM
Subject:	Meeting request on behalf of Christopher Turnure
Attachments:	Peterman Meeting Request formv2.doc

Good Morning,

I am requesting a meeting with Commissioner Carla J. Peterman on behalf of Christopher Turnure. Please see attached request form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: September 05, 2013
Person and entity requesting meeting: Christopher Turnure / JPMorgan Securities LLC
Docket # and Short Name: N/A
Reason for the meeting (or short suggested agenda): To discuss California's regulatory environment and major themes affecting utilities in the state.
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting in a ratesetting matter to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman. Please also provide advisor(s) service of ex-parte notice after meeting takes place, if applicable.
Attendees (name, title, company) : Name: Christopher Turnure – Equity analyst covering California utilities. Title: Vice President Company: JPMorgan Securities, LLC
Proposed date/time of meeting: Thursday, October 10th, 2013 (availability window is 9am – 11am) In Person (X) By phone ( )
Contact name, phone, e-mail: MaryLou Martinez / 212-622-6528 / marylou.martinez@jpmorgan.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Please note that submission of this form does not guarantee a meeting with Commissioner Peterman or her advisors.

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From:	Martinez, MaryLou X
To:	SandovalRequest@cpuc.ca.gov
Sent:	9/20/2013 10:16:31 AM
Subject:	Meeting Request on behalf of Christopher Turnure, Thursday, October 10th, 2013.
Attachments:	SandovalMeetingReqForm9412.doc

Good Morning,

I am requesting a meeting with Commissioner Sandoval on behalf of Christopher Turnure. The date of interest is Thursday, October 10th and the availability window is 9am – 11am. Please see attached request form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: September 20, 2013
Party requesting meeting: Christopher Turnure / JPMorgan Securities LLC
Docket # and Short Name: N/A
Reason for the meeting: **To discuss California's regulatory environment and major themes affecting utilities in the state.**
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Meeting Attendees (name, title, company): Christopher Turnure , Analyst Vice President , JPMorgan Securities, LLC
Proposed date/time of meeting: Thursday, October 10th, 2013 (availability window is 9am – 11am)
Contact name, phone, e-mail: MaryLou Martinez, 212-622-6528, marylou.martinez@jpmorgan.com

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From:	Martinez, MaryLou X
To:	bnk@cpuc.ca.gov
Sent:	9/20/2013 11:06:25 AM
Subject:	Meeting request on behalf of Christopher Turnure / Thursday Oct 10th.
Attachments:	MeetingRequest_Ferron_040912_v4-doc.zip

Ms. Banks,

I am requesting a meeting with Commissioner Ferron on behalf of Christopher Turnure. The date of interest is Thursday, October 10th and the availability window is from 9am – 11am. Please see attached request form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:
- ☑ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: Christopher Turnure	**Today's Date**: September 20, 2013
2. Reason for meeting (subject, topic, issues): To discuss California's regulatory environment and major themes affecting utilities in the state	
3. Docket or Proceeding # (if applicable) and case name: N/A	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): Thursday, October availability Window 9-11am	☑ **In Person** ☐ **By phone**
Proposed staff: ☑ **Comr. Ferron*** ☐**Charlotte TerKeurst** ☐**Michael Colvin** ☐**Sara Kamins** ☐**Charlyn Hook**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☑Assign an advisor	
6. Industry: ☑ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☑ No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☑No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes ☑ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Christopher Turnure	JPMorgan Securities, LLC	Analyst, Vice President

10. List your contact information:		
Contact name: MaryLou Martinez		**E-mail: marylou.martinez@jpmorgan.com**
Office phone: (212)622-6528	**Cell:**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From:	Martinez, MaryLou X
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Sent:	9/20/2013 11:26:23 AM
Subject:	Meeting request for Commissioner Florio
Attachments:	Florio Meeting Request Form.doc

Ms Dahlgren,

I am requesting a meeting with Commissioner Florio on behalf of Christopher Turnure. The date of interest is Thursday, October 10th and the availability window is from 9am – 11am. Please see attached form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: September 20, 2013
Party requesting meeting: Christopher Turnure
Docket # and Short Name: N/A
Reason for the meeting: To discuss California's regulatory environment and major themes affecting utilities in the state
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Christopher Turnure, Analyst Vice President , JPMorgan Securities, LLC
Proposed date/time of meeting: Thursday, Oct 10th Available window is between 9am – 11am.
Contact name, Phone, e-mail: MaryLou Martinez , 212-622-6528 , marylou.martinez@jpmorgan.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Martinez, MaryLou X
To: 'cmf@cpuc.ca.gov'
Sent: 9/20/2013 12:56:37 PM
Subject: FW: Meeting request on behalf of Christopher Turnure
Attachments: Peterman Meeting Request formv2.doc

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

From: Martinez, MaryLou X
Sent: Thursday, September 05, 2013 1:19 PM
To: 'rsm@cpuc.ca.gov'; 'cmf@cpuc.ca.gov'
Cc: 'jf2@cpuc.ca.gov'
Subject: Meeting request on behalf of Christopher Turnure

Good Morning,

I am requesting a meeting with Commissioner Carla J. Peterman on behalf of Christopher Turnure. Please see attached request form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: September 05, 2013
Person and entity requesting meeting: Christopher Turnure / JPMorgan Securities LLC
Docket # and Short Name: N/A
Reason for the meeting (or short suggested agenda): To discuss California's regulatory environment and major themes affecting utilities in the state.
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting in a ratesetting matter to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman. Please also provide advisor(s) service of ex-parte notice after meeting takes place, if applicable.
Attendees (name, title, company) : Name: Christopher Turnure – Equity analyst covering California utilities. Title: Vice President Company: JPMorgan Securities, LLC
Proposed date/time of meeting: Thursday, October 10th, 2013 (availability window is 9am – 11am) In Person (X) By phone ( )
Contact name, phone, e-mail: MaryLou Martinez / 212-622-6528 / marylou.martinez@jpmorgan.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Please note that submission of this form does not guarantee a meeting with Commissioner Peterman or her advisors.

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From: Fitch, Julie A. on behalf of Fernandez, Cristine
To: marylou.martinez@jpmorgan.com
CC: Fernandez, Cristine
Sent: 9/20/2013 1:01:18 PM
Subject: Meeting with Christopher Turnure, JP Morgan
Attachments: Attachment1

Today's Date: September 05, 2013

Person and entity requesting meeting: Christopher Turnure / JPMorgan Securities LLC

Docket # and Short Name: N/A

Reason for the meeting (or short suggested agenda):
To discuss California's regulatory environment and major themes affecting utilities in the state.

Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )

Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)

Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X)
If yes, please indicate the date of the Commission meeting:

Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting in a ratesetting matter to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman. Please also provide advisor(s) service of ex-parte notice after meeting takes place, if applicable.

Attendees (name, title, company) :

Name: Christopher Turnure – Equity analyst covering California utilities.
Title: Vice President
Company: JPMorgan Securities, LLC

Proposed date/time of meeting: Thursday, October 10th, 2013 (availability window is 9am – 11am)
In Person (X) By phone ( )

Contact name, phone, e-mail:
MaryLou Martinez / 212-622-6528 / marylou.martinez@jpmorgan.com

Name: Attachment1

From: Martinez, MaryLou X
To: Fitch, Julie A.
Sent: 9/20/2013 1:49:25 PM
Subject: Accepted: Meeting with Christopher Turnure, JP Morgan
Attachments: Attachment1

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Name: Attachment1

From: Banks, Juliane
To: Martinez, MaryLou X
Sent: 9/20/2013 4:46:21 PM
Subject: RE: Meeting request on behalf of Christopher Turnure / Thursday Oct 10th.

Hi MaryLou,

Comr. Ferron will be out of town on October 10th as well as the two weeks following that date.

Thanks,
Juliane

From: Martinez, MaryLou X [mailto:marylou.martinez@jpmorgan.com]
Sent: Friday, September 20, 2013 11:06 AM
To: Banks, Juliane
Subject: Meeting request on behalf of Christopher Turnure / Thursday Oct 10th.
Importance: High

Ms. Banks,

I am requesting a meeting with Commissioner Ferron on behalf of Christopher Turnure. The date of interest is Thursday, October 10th and the availability window is from 9am – 11am. Please see attached request form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

JPMsignature_drkbrwn.emf

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From: Martinez, MaryLou X
To: joan.dahlgren@cpuc.ca.gov
Sent: 9/25/2013 1:24:52 PM
Subject: FW: Meeting request for Commissioner Florio
Attachments: Florio Meeting Request Form.doc

Many thanks,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

From: Martinez, MaryLou X
Sent: Friday, September 20, 2013 2:26 PM
To: 'joan.dahlgren@cpuc.ca.gov'
Cc: 'sepideh.khosrowjah@cpuc.ca.gov'; 'amy.brodrick@cpuc.ca.gov'
Subject: Meeting request for Commissioner Florio
Importance: High

Ms Dahlgren,

I am requesting a meeting with Commissioner Florio on behalf of Christopher Turnure. The date of interest is Thursday, October 10th and the availability window is from 9am – 11am. Please see attached form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: September 20, 2013
Party requesting meeting: Christopher Turnure
Docket # and Short Name: N/A
Reason for the meeting: To discuss California's regulatory environment and major themes affecting utilities in the state
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Christopher Turnure, Analyst Vice President , JPMorgan Securities, LLC
Proposed date/time of meeting: Thursday, Oct 10th Available window is between 9am – 11am.
Contact name, Phone, e-mail: MaryLou Martinez , 212-622-6528 , marylou.martinez@jpmorgan.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Dahlgren, Joan
To: Martinez, MaryLou X
Sent: 9/25/2013 2:01:48 PM
Subject: RE: Meeting request for Commissioner Florio

Hello again MaryLou,

Thank you for resending this meeting request. Commissioner Florio has availability between 10:30-11:00, but is not available prior to that time. Please let me know if this will work, and if so, I will put on his calendar and send you a confirmation notice.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Martinez, MaryLou X [mailto:marylou.martinez@jpmorgan.com]
Sent: Wednesday, September 25, 2013 1:25 PM
To: Dahlgren, Joan
Subject: FW: Meeting request for Commissioner Florio
Importance: High

Many thanks,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

From: Martinez, MaryLou X
Sent: Friday, September 20, 2013 2:26 PM
To: 'joan.dahlgren@cpuc.ca.gov'
Cc: 'sepideh.khosrowjah@cpuc.ca.gov'; 'amy.brodrick@cpuc.ca.gov'
Subject: Meeting request for Commissioner Florio
Importance: High

Ms Dahlgren,

I am requesting a meeting with Commissioner Florio on behalf of Christopher Turnure. The date of interest is Thursday, October 10th and the availability window is from 9am – 11am. Please see attached form as required. Should you have any questions, feel free in contacting me.

Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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From: Turnure, Christopher on behalf of Martinez, MaryLou X
To: Fitch, Julie A.
Sent: 9/25/2013 2:12:00 PM
Subject: Accepted: FW: Meeting with Christopher Turnure, JP Morgan
Attachments: Attachment1

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Name: Attachment1

From: Martinez, MaryLou X
To: Dahlgren, Joan
Sent: 9/26/2013 12:39:19 PM
Subject: RE: Meeting request for Commissioner Florio

Hi Joan,

Np.

Christopher can meet with Commisioner Florio @ 10:30am. Please confirm…

Kind Regards,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, September 25, 2013 5:02 PM
To: Martinez, MaryLou X
Subject: RE: Meeting request for Commissioner Florio

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Administrative Assistant to
Commissioner Michel Florio
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505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Martinez, MaryLou X [mailto:marylou.martinez@jpmorgan.com]
Sent: Wednesday, September 25, 2013 1:25 PM
To: Dahlgren, Joan
Subject: FW: Meeting request for Commissioner Florio
Importance: High

Many thanks,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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To: 'joan.dahlgren@cpuc.ca.gov'
Cc: 'sepideh.khosrowjah@cpuc.ca.gov'; 'amy.brodrick@cpuc.ca.gov'
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Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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From: Dahlgren, Joan
To: Martinez, MaryLou X
Sent: 9/26/2013 1:47:02 PM
Subject: RE: Meeting request for Commissioner Florio

Hi MaryLou,

Unfortunately, since we last spoke, it turns out our advisors, who also will be attending this meeting, now have a commitment at 10:30. If Christopher is available at 11:00 on October 10, I can schedule the meeting then. Please let me know ASAP so the Commissioner's calendar doesn't get booked with other appointments.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Martinez, MaryLou X [mailto:marylou.martinez@jpmorgan.com]
Sent: Thursday, September 26, 2013 12:39 PM
To: Dahlgren, Joan
Subject: RE: Meeting request for Commissioner Florio
Importance: High

Hi Joan,

Np.

Christopher can meet with Commisioner Florio @ 10:30am. Please confirm…

Kind Regards,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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Sent: Wednesday, September 25, 2013 5:02 PM
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Subject: RE: Meeting request for Commissioner Florio

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Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
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505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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Sent: Wednesday, September 25, 2013 1:25 PM
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Subject: FW: Meeting request for Commissioner Florio
Importance: High

Many thanks,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

From: Martinez, MaryLou X
Sent: Friday, September 20, 2013 2:26 PM
To: 'joan.dahlgren@cpuc.ca.gov'
Cc: 'sepideh.khosrowjah@cpuc.ca.gov'; 'amy.brodrick@cpuc.ca.gov'
Subject: Meeting request for Commissioner Florio
Importance: High

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383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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From: Martinez, MaryLou X
To: Dahlgren, Joan
Sent: 9/26/2013 1:50:20 PM
Subject: RE: Meeting request for Commissioner Florio

Hi Joan,

No problem, we will take the 11:00am slot. Please confirm with outlook invite.

I really appreciate your help.

Kind regards,

MaryLou

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 26, 2013 4:47 PM
To: Martinez, MaryLou X
Subject: RE: Meeting request for Commissioner Florio

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MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

JPMsignature_drkbrwn.emf

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MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
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JPMsignature_drkbrwn.emf

From: Martinez, MaryLou X

Sent: Friday, September 20, 2013 2:26 PM
To: 'joan.dahlgren@cpuc.ca.gov'
Cc: 'sepideh.khosrowjah@cpuc.ca.gov'; 'amy.brodrick@cpuc.ca.gov'
Subject: Meeting request for Commissioner Florio
Importance: High

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Kind regards,

MaryLou Martinez assistant to Christopher Turnure

MaryLou Martinez | Research Assistant | Global Equity Research | Investment Bank | **J.P. Morgan** |
383 Madison Avenue, Floor 34 |New York, United States | T: +12126226528 | marylou.martinez@jpmorgan.com |

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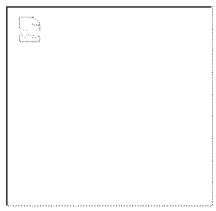
From: Dahlgren, Joan
To: Martinez, MaryLou X (marylou.martinez@jpmorgan.com)
Sent: 9/26/2013 2:01:58 PM
Subject: Mtg_confirmation_form_for_JPMorgan_mtg_request_dated_09_20_13--MEETING CONFIRMATION

State of California

Memorandum



Date: September 26, 2013

To: Christopher Turnure – JP Morgan Securities

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 09/20/13**

This will confirm that your meeting request for the above date has been set for (October 10 11:00 am) with (Commissioner Florio, Sepideh Khosrowjah, Rachel Peterson, Marcelo Poirier Eric Van Wambeke),(Room 5200—Commissioner Florio's Office). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From:	White, Kristine
To:	bnk@cpuc.ca.gov
CC:	Turnure, Christopher
Sent:	3/18/2014 2:34:32 PM
Subject:	Meeting Request for Commissioner Picker
Attachments:	MeetingRequest_Picker_022414-doc.zip

Hi Juliane,

I received your voicemail today, thank you for the instructions regarding the "Meeting Request Form". Please see form attached and let me know if you have any questions.

Best Regards,
Kristine

Kristine White | Research Assistant for Steven Alexopoulos, Anthony Paolone, & Michael Mueller | Global Equity Research | Investment Bank | **J.P. Morgan** | Floor 34, 383 Madison Avenue, New York, United States | T: +12126225211 | F: +2126228777 | Kristine.white@jpmorgan.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Michael Picker
Meeting Request Form

Return the completed meeting requests, as follows:

☒ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: Christopher Turnure, JPMorgan Chase	**Today's Date:** 3/18/2014
2. Reason for meeting (subject, topic, issues): **Electric Utilities meeting**	
3. Docket or Proceeding # (if applicable) and case name:	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): March 26th (anytime available)	☒ **In Person** ☐ **By phone**
Proposed staff: ☒ **Comr. Picker*** ☐**Charlotte TerKeurst** ☐**xxxxxxxxxx** ☐**xxxxxxxxxxxx** ☐**xxxxxxxxx**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☒ Cancel this meeting request ☐ Assign an advisor	
6. Industry: ☒ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☒ No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Christopher Turnure	JP Morgan	Analyst, Electric Utilities

10. List your contact information:		
Contact name: Kristine White		**E-mail: kristine.white@jpmorgan.com**
Office phone: 212-622-5211	**Cell:**	**Fax No.: 212-622-8777**
Office use only:		
FER CFT xxx xxx xxx	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Picker, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Picker.***

From: JHeckler@levincap.com
To: al4@cpuc.ca.gov
Sent: 8/15/2012 4:49:44 AM
Subject: Inroduction and Inquiry on SONGs

Audrey,

My name is James Heckler and I had the opportunity to meet you in San Francisco earlier this year as part of a group of investors who were meeting with several members of the CPUC. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs situation?

I was hoping to discuss: a) the current thinking regarding its future viability, b) plans for alternative power sources, and how the plant will be treated while a final disposition is determined, c) the mechanics of California Public Utilities Code Section 455.5 if employed, to remove the unit(s) from rate base if this occurred, d) precedents on the use of Section 455.5 in the past (I think there was an instance when some portion of Palo Verde was removed from rate base temporarily), and d) when actions to remove the unit(s) from rate base can reasonably occur.

I am generally available at most times throughout the remainder of the week except between 12:00-2:00 PM ET on Thursday, August 16th.

Many thanks for your time and I look forward to speaking with you.

Kind regards,
James Heckler

James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

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From: JHeckler@levincap.com
To: cab@cpuc.ca.gov
Sent: 8/15/2012 4:50:33 AM
Subject: Inroduction and Inquiry on SONGs

Carol,

My name is James Heckler and I had the opportunity to meet you in San Francisco earlier this year as part of a group of investors who were meeting with several members of the CPUC. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs situation?

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From: JHeckler@levincap.com
To: ditas.katague@cpuc.ca.gov
Sent: 8/15/2012 4:53:45 AM
Subject: Inroduction and Inquiry on SONGs

Ditas,

My name is James Heckler and I had the opportunity to meet you in New York earlier this year as part of a group of investors who were meeting with yourself and Commissioner Sandoval. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs situation?

I was hoping to discuss: a) the current thinking regarding its future viability, b) plans for alternative power sources, and how the plant will be treated while a final disposition is determined, c) the mechanics of California Public Utilities Code Section 455.5 if employed, to remove the unit(s) from rate base if this occurred, d) precedents on the use of Section 455.5 in the past (I think there was an instance when some portion of Palo Verde was removed from rate base temporarily), and d) when actions to remove the unit(s) from rate base can reasonably occur.

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James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

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From: JHeckler@levincap.com
To: pac@cpuc.ca.gov
Sent: 8/15/2012 5:23:13 AM
Subject: Inroduction and Inquiry on SONGs

Paul,

My name is James Heckler and I had the opportunity to meet you in San Francisco on several occasions as part of groups of investors who were meeting with several members of the CPUC. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs situation?

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From:	Clanon, Paul on behalf of Madrigal, Anna-Marie
To:	'jheckler@levincap.com'; Clanon, Paul
Sent:	8/15/2012 9:56:07 AM
Subject:	Conference call w/ James & Paul
Attachments:	Attachment1

When: Wednesday, August 15, 2012 11:30 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: James will call 415.703.3808

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

Possible caller:
Neal Stein, Portfolio manager.

Contact:
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

Begin forwarded message:

From: <JHeckler@levincap.com>
Date: August 15, 2012 5:23:13 AM PDT
To: <pac@cpuc.ca.gov>
Subject: Inroduction and Inquiry on SONGs

Paul,

My name is James Heckler and I had the opportunity to meet you in San Francisco on several occasions as part of groups of investors who were meeting with several members of the CPUC. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs situation?

I was hoping to discuss: a) the current thinking regarding its future viability, b) plans for alternative power sources, and how the plant will be treated while a final disposition is determined, c) the mechanics of California Public Utilities Code Section 455.5 if employed, to remove the unit(s) from rate base if this occurred, d) precedents on the use of Section 455.5 in the past (I think there was an instance when some portion of Palo Verde was removed from rate base temporarily), and d) when actions to remove the unit(s) from rate base can reasonably occur.

I am generally available at most times throughout the remainder of the week except between 12:00-2:00 PM ET on Thursday, August 16th.

Many thanks for your time and I look forward to speaking with you.

Kind regards,

James Heckler

James J Heckler

Levin Capital Strategies

595 Madison Avenue

New York, NY 10022

(212) 259-0851

jheckler@levincap.com

Name: Attachment1

From: JHeckler@levincap.com
To: Mendiola, Carolina; Madrigal, Anna-Marie
Sent: 8/15/2012 10:04:38 AM
Subject: Accepted: Conference call w/ James & Paul
Attachments: Attachment1

Name: Attachment1

From: JHeckler@levincap.com
To: paul.clanon@cpuc.ca.gov
Sent: 8/15/2012 10:04:38 AM
Subject: Accepted: Conference call w/ James & Paul
Attachments: Attachment1

Name: Attachment1

From: JHeckler@levincap.com
To: rosemary.mendoza@cpuc.ca.gov
Sent: 10/26/2012 6:55:47 AM
Subject: Introduction and request for a brief call

Mr. Como,

My name is James Heckler and I work for a small New York based investment manager. Our team focuses on utility investments and we have been following California utility-related regulatory issues closely. We were wondering if you might have 10-15 minutes to speak with us regarding the 10/23/12 letter to Senator Mitchell requesting he decline the offer to mediate negotiations regarding fines for the tragic explosion that occurred in San Bruno in 2010. We would simply like to better understand the DRA's view regarding other potentially qualified mediators and what the CPUC could have done better in this process.

We are generally available today except between 11:00 AM 12:00 PM PT.

We look forward to speaking with you.

Many thanks and best regards,
James Heckler

James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

The information contained in this electronic message and any attachments to this message are intended for the exclusive use of the addressee(s) and may contain confidential or privileged information. If the reader of the message is not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any dissemination or use of the information contained in this communication is strictly prohibited and maybe illegal. Levin Capital Strategies, L.P. and its affiliates reserve the right to monitor, review, and archive the content of all E-mail messages sent and/or received by any of its employees. If you received this email in error, please E-mail the sender or call Levin Capital Strategies, L.P. at (212) 259-0800.

From: JHeckler@levincap.com
To: pac@cpuc.ca.gov
Sent: 10/26/2012 7:24:17 AM
Subject: Inroduction and Call Inquiry

Paul,

My name is James Heckler and I had the opportunity to meet you in San Francisco on several occasions as part of groups of investors who were meeting with several members of the CPUC. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state.

I was wondering if you might have 10-15 minutes to chat with me regarding the 10/23/12 letter to Senator Mitchell requesting he decline the offer to mediate negotiations regarding fines for the tragic explosion that occurred in San Bruno in 2010. We would simply like to better understand the potential for another mediator to be assigned and how the selection process could potentially change given that the authors of the letter suggested another mediator could be found that might be acceptable to all the parties.

I are generally available today except between 11:00 AM 12:00 PM PT.

Many thanks for your time and I look forward to speaking with you.

Kind regards,
James Heckler

James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

The information contained in this electronic message and any attachments to this message are intended for the exclusive use of the addressee(s) and may contain confidential or privileged information. If the reader of the message is not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any dissemination or use of the information contained in this communication is strictly prohibited and maybe illegal. Levin Capital Strategies, L.P. and its affiliates reserve the right to monitor, review, and archive the content of all E-mail messages sent and/or received by any of its employees. If you received this email in error, please E-mail the sender or call Levin Capital Strategies, L.P. at (212) 259-0800.

From: Mendoza, Rosemary
To: Como, Joe
Sent: 10/26/2012 9:18:13 AM
Subject: FW: Introduction and request for a brief call

Joe, Please see below.

Mr. Heckler also left a voice mail for you on my phone this morning at 7:31 am. His number is: 212-259-0851.

From: JHeckler@levincap.com [mailto:JHeckler@levincap.com]
Sent: Friday, October 26, 2012 6:56 AM
To: Mendoza, Rosemary
Subject: Introduction and request for a brief call

Mr. Como,

My name is James Heckler and I work for a small New York based investment manager. Our team focuses on utility investments and we have been following California utility-related regulatory issues closely. We were wondering if you might have 10-15 minutes to speak with us regarding the 10/23/12 letter to Senator Mitchell requesting he decline the offer to mediate negotiations regarding fines for the tragic explosion that occurred in San Bruno in 2010. We would simply like to better understand the DRA's view regarding other potentially qualified mediators and what the CPUC could have done better in this process.

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We look forward to speaking with you.

Many thanks and best regards,
James Heckler

James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

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From: JHeckler@levincap.com
To: 'cab@cpuc.ca.gov'
Sent: 12/11/2012 8:48:42 AM
Subject: Request for Brief Update on California Regultory Matters

Carol,

We've met a few times in San Francisco as I have been part of several investor groups who have met with the CPUC over the past several years. We have also spoken on the phones a couple times as well. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs and San Bruno?

I am generally free today, tomorrow, Thursday and Friday if you could carve out a few minutes.

Many thanks for your time and I look forward to speaking with you.

Kind regards,
James Heckler

James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

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From: JHeckler@levincap.com
To: pac@cpuc.ca.gov
Sent: 12/11/2012 9:45:16 AM
Subject: Request for Brief Update on California Regultory Matters

Paul,

We've met a few times in San Francisco as I have been part of several investor groups who have met with the CPUC over the past several years. We have also spoken on the phones a couple times as well. I focus on investing in utility companies and, among others, I cover the utilities in California as well as regulatory developments in the state. I was wondering if you might have 15-20 minutes to chat with me regarding the SONGs and San Bruno?

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Many thanks for your time and I look forward to speaking with you.

Kind regards,
James Heckler

James J Heckler
Levin Capital Strategies
595 Madison Avenue
New York, NY 10022
(212) 259-0851
jheckler@levincap.com

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From: St. Marie, Stephen
To: mgoldenberg@luminusmgmt.com
Sent: 3/18/2011 10:48:18 AM
Subject: S St Marie, new cell phone number

Hey, Michael,

As you know, we in California government are doing many things to improve our fiscal situation. And reducing the number of cell phone contracts is one of them. I am turning in my old cell #, which is being called back as part of the Governor's plan to economize. So, please see my new (personal) cell # below.

Thanks,

-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

From: Michael Goldenberg
To: sst@cpuc.ca.gov
Sent: 3/30/2011 9:53:29 AM
Subject: WCPSC

Hey Stephen,

How are you doing? How's life at CPUC?

Saw that there's a big conference in Denver called WCPSC on June 12-15.

Was wondering if you planned on heading out there, and/or if CPUC commissioners were planning to make the trip.

Was considering going out there as well, but not sure at this time.

Please let me know.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: St. Marie, Stephen
To: Michael Goldenberg
Sent: 3/30/2011 8:45:35 PM
Subject: RE: WCPSC

Hi, Michael,
I was out of the office today, so I was unable to read or respond to your e-mail until now.
The Western Conference of Public Service Commissioners is one of my favorite meetings. Last year is was at Ojai, California. This year in Denver. It is sort of a more intimate NARUC meeting, focused more on the West and less on National issues.
I do not know if I will attend -- two reasons: First, I have not yet been picked up by any of the commissioners. I did have an interview this week, so it is possible that within a few days I will be "back in the saddle," so to speak. But who knows. Second, we are under very tight travel restrictions at the CPUC, and in California government in general. It is worst for out-of-state travel. So it may be that only Commissioners will attend.
I will let you know.
-- Steve.

Stephen St. Marie
Chief of Staff of Commissioner John Bohn
California Public Utilities Commission
415-703-5173 (office)
415-516-7961 (cell)
SST@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wed 3/30/2011 9:53 AM
To: St. Marie, Stephen
Subject: WCPSC

Hey Stephen,

How are you doing? How's life at CPUC?

Saw that there's a big conference in Denver called WCPSC on June 12-15.

Was wondering if you planned on heading out there, and/or if CPUC commissioners were planning to make the trip.

Was considering going out there as well, but not sure at this time.

Please let me know.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: St. Marie, Stephen
Sent: 3/31/2011 6:03:58 AM
Subject: RE: WCPSC

Stephen,

Are you in the office today? Would like to call and chat with you.

From: St. Marie, Stephen [mailto:stephen.stmarie@cpuc.ca.gov]
Sent: Wednesday, March 30, 2011 11:46 PM
To: Michael Goldenberg
Subject: RE: WCPSC

Hi, Michael,
I was out of the office today, so I was unable to read or respond to your e-mail until now.
The Western Conference of Public Service Commissioners is one of my favorite meetings. Last year is was at Ojai, California. This year in Denver. It is sort of a more intimate NARUC meeting, focused more on the West and less on National issues.
I do not know if I will attend -- two reasons: First, I have not yet been picked up by any of the commissioners. I did have an interview this week, so it is possible that within a few days I will be "back in the saddle," so to speak. But who knows. Second, we are under very tight travel restrictions at the CPUC, and in California government in general. It is worst for out-of-state travel. So it may be that only Commissioners will attend.
I will let you know.
-- Steve.

Stephen St. Marie
Chief of Staff of Commissioner John Bohn
California Public Utilities Commission
415-703-5173 (office)
415-516-7961 (cell)
SST@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wed 3/30/2011 9:53 AM
To: St. Marie, Stephen
Subject: WCPSC

Hey Stephen,

How are you doing? How's life at CPUC?

Saw that there's a big conference in Denver called WCPSC on June 12-15.

Was wondering if you planned on heading out there, and/or if CPUC commissioners were planning to make the trip.

Was considering going out there as well, but not sure at this time.

Please let me know.

Regards,

Michael Goldenberg, CFA
Luminus Management

1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: cab@cpuc.ca.gov
Sent: 4/20/2011 1:40:50 PM
Subject: Meeting at WSPSC

Carol,

Thanks for taking the time to chat with me on the phone today.

To summarize, my name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities. President Peevey and I have met on numerous occasions.

Carol, you may remember - I was with a group of investors from Macquarie visiting your offices several months ago.

I heard President Peevey is planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you President Peevey would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From:	Michael Goldenberg
To:	bnk@cpuc.ca.gov
CC:	msw@cpuc.ca.gov
Sent:	4/26/2011 12:03:28 PM
Subject:	Meeting Request at WSPSC
Attachments:	Meeting Request Form.PDF

Juliane,

I am contacting you at the suggestion of Mark WetzEll, Commissioner Ferron's Chief.of Staff.

My name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities.

I have met with Commissioners at your CPUC offices on a number of occasions. I quickly met Commissioner Ferron at your offices as well, during one meeting prior to his official appointment.

I heard Commissioner Ferron may be planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you Commissioner Ferron would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I've attached the official meeting request form.

I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting:	MICHAEL GOLDENBERG
Today's date:	4/26/14
Docket or proceeding # (if applicable)	N/A.
Reason for the meeting:	Please see email
Industry (*please indicate with an X*) **ENERGY** (X) **TELECOMMUNICATIONS** ( ) **TRANSPORTATION** ( ) **WATER** ( )	
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)	
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.	
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)	
Has or will a hearing be held in this matter? YES( ) NO(X)	
Attendees (Number of attendees, name, title, company):	MICHAEL GOLDENBERG, INVESTMENT ANALYST, LUMINUS MANAGEMENT
If Commissioner is unable to attend, would you like to meet with one of his advisors:	YES
Proposed date/time of meeting:	6/12-6/15/14 IN DENVER AT WSPSC
Contact name:	MICHAEL GOLDENBERG
Contact phone:	212-615-3427

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time

From: Michael Goldenberg
To: sst@cpuc.ca.gov
Sent: 4/27/2011 10:28:00 AM
Subject: Hey

Hey Stephen,

How is it going?

I have been trying to reach Ken Koss, Commissioner Tim Simon's Chief of Staff, but have been unable so far.

Do you know if he's been unavailable? Is there anyone else you would recommend I reach out to, to set up a meeting with Commissioner Simon at the WSPSC.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: St. Marie, Stephen
Sent: 4/27/2011 11:12:44 AM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Thank you very much, sstpehen. Great to hear from you.

How is it going for you at the CPUC?

From: St. Marie, Stephen [mailto:stephen.stmarie@cpuc.ca.gov]
Sent: Wednesday, April 27, 2011 1:50 PM
To: Michael Goldenberg
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:

The new Interim Chief for Commissioner Simon is Cristhian Escobar.

Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov

Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.

Sorry, this is a crazy place, and people are moving around!

-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, April 27, 2011 10:28 AM
To: St. Marie, Stephen
Subject: Hey

Hey Stephen,

How is it going?

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Do you know if he's been unavailable? Is there anyone else you would recommend I reach out to, to set up a meeting with Commissioner Simon at the WSPSC.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 4/29/2011 9:20:54 AM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Chrsthian,

Thank you very much for your response. I will call you early next week to discuss. Are you avialable on Monday?

In a nutshell, I am looking for a meeting with Commissioner Simon at the WSPSC Conference in Denver, CO on June 12-15.

Have a good weekend.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen
Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,
I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:
The new Interim Chief for Commissioner Simon is Cristhian Escobar.
Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov
Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.
Sorry, this is a crazy place, and people are moving around!
-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
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sst@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
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1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 5/3/2011 1:02:00 PM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Christian,

Good afternoon. Have been trying to reach you ayesterday and today. Can you please give me a call when you have a chance - 212-615-3427. Thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen
Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,
I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:
The new Interim Chief for Commissioner Simon is Cristhian Escobar.
Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov
Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.
Sorry, this is a crazy place, and people are moving around!
-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

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Sent: Wednesday, April 27, 2011 10:28 AM
To: St. Marie, Stephen
Subject: Hey

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Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 5/3/2011 1:14:13 PM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Sure, no problem. Please give me a call when you can. Shouldn't be more than a 5-minute conversation. Thank you very much.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Tuesday, May 03, 2011 4:13 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

MIchael,

This is a Commission meeting week and we are focused on getting the Commissioner ready for it. Can this wait until late Thursday or Friday.

Thanks,

Cristhian

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Tuesday, May 03, 2011 1:02 PM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Christian,

Good afternoon. Have been trying to reach you ayesterday and today. Can you please give me a call when you have a chance - 212-615-3427. Thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen
Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:

The new Interim Chief for Commissioner Simon is Cristhian Escobar.

Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov

Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.

Sorry, this is a crazy place, and people are moving around!

-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, April 27, 2011 10:28 AM
To: St. Marie, Stephen
Subject: Hey

Hey Stephen,

How is it going?

I have been trying to reach Ken Koss, Commissioner Tim Simon's Chief of Staff, but have been unable so far.

Do you know if he's been unavailable? Is there anyone else you would recommend I reach out to, to set up a meeting with Commissioner Simon at the WSPSC.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: Banks, Juliane
CC: Wetzell, Mark S.
Sent: 5/4/2011 12:11:16 PM
Subject: RE: Meeting Request at WSPSC

Thank you very much, Juliane.

Would you happen to know if Comm Ferron is planning to meet with JP Morgan investor group on Tuesday, May 24th?

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, May 04, 2011 2:43 PM
To: Michael Goldenberg
Cc: Wetzell, Mark S.
Subject: RE: Meeting Request at WSPSC

Hello Mr. Goldenberg,

My apologies for the delay in responding to your email, but for some reason it was delivered to my spam folder and I just saw it now.

Comr. Ferron is not attending WSPSC in June, so unfortunately he will not be able to meet with you during the requested time.

Please don't hesitate to let me know if you need anything further.

Thanks,
Juliane
415-703-2284

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Tuesday, April 26, 2011 12:03 PM
To: Banks, Juliane
Cc: Wetzell, Mark S.
Subject: Meeting Request at WSPSC

Juliane,

I am contacting you at the suggestion of Mark WetzEll, Commissioner Ferron's Chief.of Staff.

My name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities.

I have met with Commissioners at your CPUC offices on a number of occasions. I quickly met Commissioner Ferron at your offices as well, during one meeting prior to his official appointment.

I heard Commissioner Ferron may be planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you Commissioner Ferron would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I've attached the official meeting request form.

I look forward to hearing from you.

Thank you very much.

Regards,

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Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
To: Banks, Juliane
Sent: 5/5/2011 8:47:20 AM
Subject: RE: Meeting Request at WSPSC

understood. thank you.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Thursday, May 05, 2011 11:31 AM
To: Michael Goldenberg
Subject: RE: Meeting Request at WSPSC

I don't see a JP Morgan meeting for May 24th.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 04, 2011 12:11 PM
To: Banks, Juliane
Cc: Wetzell, Mark S.
Subject: RE: Meeting Request at WSPSC

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From: Quintana, Becky

To: 'Eabinah@azcc.gov'; Acierno, Donna; 'susan.ackerman@state.or.us'; Ackermann, Jeffrey P; Adams, Harris; 'Stacy.Aguayo@aps.com'; 'jalbright@ssd.com'; 'liz.andrews@avistacorp.com'; 'michael.bagley1@verizonwireless.com'; Baker, Matt D; 'eb1642@att.com'; 'becky.beier@state.or.us'; 'lewis.binswanger@sourcegas.com'; 'rbinz@rbinz.com'; 'wblattner@semprautilities.com'; Bote, Terry; 'michael_brady@cable.comcast.com'; Bunker, Gregory E; 'kburgess@csu.org'; 'bburns@azcc.gov'; 'aburtens@puc.nv.gov'; Camp, Eugene; 'acarmichael@sunedison.com'; 'bkc7@pge.com'; 'joe.christian@atmosenergy.com'; 'cade@nawc.com'; 'emanuel.cocian@state.co.us'; 'john.cole.hpuc@gmail.com'; 'paula.connelly@xcelenergy.com'; 'doug_cooley@cable.comcast.com'; 'john.copen@siemens.com'; 'richard_cortright@sandp.com'; 'tdarin@awea.org'; 'madavidson@hollandhart.com'; Dean, Doug; 'tom.deboer@pse.com'; DiDomenico, Harry; 'sbd4@pge.com'; Dixon, Thomas F; 'milt.h.doumit@verizon.com'; 'kdrakulich@mcdonaldcarano.com'; 'mpearnest@summitutilities.com'; 'eearnest@summitutilities.com'; 'james.elliot@sourcegas.com'; Enright, Jerry; Epel, Joshua B; 'kfellman@kandf.com'; Fernandez, Barbara; 'lesfj@vestas.com'; 'mike.florio@cpuc.ca.gov'; 'brent.gale@pacificorp.com'; 'cg6985@att.com'; 'linda.gervais@avistacorp.com'; 'rgilliam@sunedison.com'; Gomez, Paul C; 'jeff.guldner@aps.com'; 'John_Gutierrez@cable.comcast.com'; 'ggutsche@mt.gov'; 'helen.hall@ftr.com'; 'kerry.hattevik@nexteraenergy.com'; 'jhawks_cwa@comcast.net'; 'ann.hendrickson@blackhillscorp.com'; Hernandez, Charles B; 'lisahickey@coloradolawyers.net'; 'aho@azcc.gov'; 'Michael.Hoover@SCE.com'; 'ljhubbard@sempragerneration.com'; 'j8hs@pge.com'; 'haren.t.hyde@xcelenergy.com'; 'patiannone@comcast.net'; 'suinn@vestas.com'; Isley, Dale; 'ebj1@pge.com'; 'palle_jensen@sjwater.com'; 'ejohnson@azcc.gov'; 'pjones@utc.wa.gov'; 'mjung@silverspringnet.com'; Kassakhian, Ken; 'dmk@cpuc.ca.gov'; 'tkavulla@mt.gov'; 'andrea.kelly@pacificorp.com'; 'chris.kilpatrick@blackhillscorp.com'; 'petek@colotelecom.com'; 'Keith.kirchuble@dora.state.co.us'; 'robin.kittel@xcelenergy.com'; 'nlaplaca@azcc.gov'; 'jeff.larsen@pacificorp.com'; Levis, Bill H; 'klewis@state.wy.us'; Lowe, Chris; 'Patrick.Lyons@state.nm.us'; 'robert.maclean@amwater.com'; 'leroy.aragon@state.nm.us'; 'Joyce.Masamitsu@VerizonWIreless.com'; 'david.w.mcgann@xcelenergy.com'; 'lmcghee@calwater.com'; 'kathleen@ucar.edu'; 'aminie@state.wy.us'; 'bmolnar@mt.gov'; 'mmoorman@summitutilitiesinc.com'; 'Hermina.M.Morita@hawaii.gov'; 'wendy.moser@blackhillscorp.com'; 'ngmuller1@gmail.com'; 'dnemtzow@ice-energy.com'; 'andrew.newell@viaero.com'; 'pnewman@azcc.gov'; 'kelly.norwood@avistacorp.com'; Notarianni, Lynn; 'Solea@azcc.gov'; 'Kevin.opp@state.co.us'; 'soxley@state.wy.us'; 'dparri@state.wy.us'; 'MP1@cpuc.ca.gov'; 'dan.pfeiffer@itron.com'; 'rpomeroy@hollandhart.com'; Quintana, Becky; 'drachlis@aclara.com'; 'framirez@ice-energy.com'; Reasoner, John; Reis, Richard T; 'gsaid@idahopower.com'; 'cjs@cpuc.gov'; 'john.f.savage@state.or.us'; Schechter, P.B.; 'jacob.schlesinger@state.co.us'; 'Gary.Schoonyan@SCE.com'; 'dshipley@ghvalley.net'; 'john.sisemore@att.com'; Skluzak, Cory; 'alawrence@semprautilities.com'; 'tsmegal@calwater.com'; 'gsopkin@ssd.com'; 'stephen.southwick@state.co.us'; 'bennett-m@mvea.org'; 'wcs3@pge.com'; 'shannon.sturgil@siemens.com'; 'bsung@luminusmgmt.com'; 'kswitzer@gswater.com'; Tarpey, James K; 'Dave.Taylor@PacifiCorp.com'; 'mark.thompson@nwnatural.com'; Travis, Susan; 'gtropsa@ice-energy.com'; 'rebwagner@puc.nv.gov'; 'mercedes.kearney@ferc.gov'; 'nwales@calwater.com'; 'andrew.f.walters@jpmorgan.com'; 'watconsult@sbglobal.net'; 'jsww@state.co.us'; 'ted.weston@pacificorp.com'; 'kyle.white@blackhillscorp.com'; 'keren.wilkes@atmosenergy.com'; Woods, April; 'twoolley@tristategt.org'; 'Walker.Wright@petrasolar.com'

Sent: 5/24/2011 9:27:05 AM

Subject: WCPSC Monday Night Dinner at the DAM

Registrants – thank you so much for your interest in attending the Monday night dinner at the Denver Art Museum as part of the WCPSC conference in Denver June 12 -15, 2011. The dinner that Monday night (June 13th) will be catered by Kevin Taylor Catering and will be a three-course sit-down meal. As such, you have your choice of entrees from the following:

roasted atlantic salmon, crisp potato cake, zucchini, chipotle
corn chowder

roast colorado angus strip loin, blue cheese risotto, green

peppercorn sauce

or

grilled portobello "like a steak", garlic mashed potatoes,
asparagus, red wine butter

Please reply to this email no later than May 27 with your choice of entrée and the choice for any guest you have attending.

Thank you,

Rebecca Quintana
COPUC

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From: Michael Goldenberg
To: cab@cpuc.ca.gov
Sent: 5/25/2011 8:45:51 AM
Subject: RE: Meeting at WSPSC

Carol,

I wanted to follow up on my request (see below). Please let me know if President Peevey will be attending, and whether he would be willing to meet with me.

Thank you very much.

From: Michael Goldenberg
Sent: Wednesday, April 20, 2011 4:41 PM
To: 'cab@cpuc.ca.gov'
Subject: Meeting at WSPSC

Carol,

Thanks for taking the time to chat with me on the phone today.

To summarize, my name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities. President Peevey and I have met on numerous occasions.

Carol, you may remember - I was with a group of investors from Macquarie visiting your offices several months ago.

I heard President Peevey is planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you President Peevey would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
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New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
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action in reliance upon this message or any attachments. If you receive this message in error, please notify the sender by reply email and delete this message and any attachments.

From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 5/25/2011 10:46:27 AM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Cristhian,

Do you have a minute to talk now?

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Tuesday, May 03, 2011 4:13 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

MIchael,

This is a Commission meeting week and we are focused on getting the Commissioner ready for it. Can this wait until late Thursday or Friday.

Thanks,

Cristhian

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
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To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Christian,

Good afternoon. Have been trying to reach you ayesterday and today. Can you please give me a call when you have a chance - 212-615-3427. Thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen
Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:

The new Interim Chief for Commissioner Simon is Cristhian Escobar.

Full Name: Escobar, Cristhian
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Sorry, this is a crazy place, and people are moving around!

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Hey Stephen,

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From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 5/25/2011 11:09:25 AM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

great. i'll call you then.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 1:55 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

I am free after noon my time.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 10:46 AM
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Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 5/25/2011 12:17:32 PM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

thx.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 3:17 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

in mtg call in 5

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 12:16 PM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

just called you. can you please call me back - 212-615-3427. thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 1:55 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

I am free after noon my time.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 10:46 AM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Cristhian,

Do you have a minute to talk now?

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Tuesday, May 03, 2011 4:13 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

MIchael,

This is a Commission meeting week and we are focused on getting the Commissioner ready for it. Can this wait until late Thursday or Friday.

Thanks,

Cristhian

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Tuesday, May 03, 2011 1:02 PM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Christian,

Good afternoon. Have been trying to reach you ayesterday and today. Can you please give me a call when you have a chance - 212-615-3427. Thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen
Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,
I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:
The new Interim Chief for Commissioner Simon is Cristhian Escobar.
Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov
Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.
Sorry, this is a crazy place, and people are moving around!
-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]

Sent: Wednesday, April 27, 2011 10:28 AM
To: St. Marie, Stephen
Subject: Hey

Hey Stephen,

How is it going?

I have been trying to reach Ken Koss, Commissioner Tim Simon's Chief of Staff, but have been unable so far.

Do you know if he's been unavailable? Is there anyone else you would recommend I reach out to, to set up a meeting with Commissioner Simon at the WSPSC.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Michael Goldenberg
To: cde@cpuc.ca.gov; nur@cpuc.ca.gov
Sent: 5/31/2011 12:04:34 PM
Subject: FW: Meeting at WSPSC

Cody and Nuria,

As per my conversation with Cody this afternoon, I am trying to schedule a meeting with President Peevey at WSPSC.

Below, please read my emails to Carol Brown. I learned today that Carol will be out of the office through June 13. Given that the Conference is only two weeks away, please help me out to try and schedule a 30 minute meeting with President Peevey.

Please let me know at your earliest convenience. Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From: Michael Goldenberg
Sent: Wednesday, May 25, 2011 11:46 AM
To: 'cab@cpuc.ca.gov'
Subject: RE: Meeting at WSPSC

Carol,

I wanted to follow up on my request (see below). Please let me know if President Peevey will be attending, and whether he would be willing to meet with me.

Thank you very much.

From: Michael Goldenberg
Sent: Wednesday, April 20, 2011 4:41 PM
To: 'cab@cpuc.ca.gov'
Subject: Meeting at WSPSC

Carol,

Thanks for taking the time to chat with me on the phone today.

To summarize, my name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities. President Peevey and I have met on numerous occasions.

Carol, you may remember - I was with a group of investors from Macquarie visiting your offices several months ago.

I heard President Peevey is planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you President Peevey would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
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From: Michael Goldenberg
To: Escobar, Cristhian
Sent: 5/31/2011 12:07:29 PM
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Cristhian,

Want to finalize this issue of potential meeting with Commissioner Simon.

Please give me a call at 212-615-3427, or please let me know of Comm Simon's availability at WSPSC.

Thank you very much.

From: Michael Goldenberg
Sent: Wednesday, May 25, 2011 3:18 PM
To: 'Escobar, Cristhian'
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

thx.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 3:17 PM
To: Michael Goldenberg
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in mtg call in 5

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just called you. can you please call me back - 212-615-3427. thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 1:55 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

I am free after noon my time.

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Sent: Wednesday, May 25, 2011 10:46 AM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Cristhian,

Do you have a minute to talk now?

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]

Sent: Tuesday, May 03, 2011 4:13 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

MIchael,

This is a Commission meeting week and we are focused on getting the Commissioner ready for it. Can this wait until late Thursday or Friday.

Thanks,

Cristhian

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Tuesday, May 03, 2011 1:02 PM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Christian,

Good afternoon. Have been trying to reach you ayesterday and today. Can you please give me a call when you have a chance - 212-615-3427. Thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen
Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,
I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:
The new Interim Chief for Commissioner Simon is Cristhian Escobar.
Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov
Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.
Sorry, this is a crazy place, and people are moving around!

-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, April 27, 2011 10:28 AM
To: St. Marie, Stephen
Subject: Hey

Hey Stephen,

How is it going?

I have been trying to reach Ken Koss, Commissioner Tim Simon's Chief of Staff, but have been unable so far.

Do you know if he's been unavailable? Is there anyone else you would recommend I reach out to, to set up a meeting with Commissioner Simon at the WSPSC.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
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by reply email and delete this message and any attachments.

From: Michael Goldenberg
To: psw@cpuc.ca.gov
Sent: 5/31/2011 12:22:17 PM
Subject: Meeting at WSPSC

Phil,

You may remember, we had a conversation about 4 weeks ago about Commissioner Sandoval's attendance at WSPSC. I called you again, but your voicemail recommends that I contact you by email.

To summarize, my name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities. President Peevey and I have met on numerous occasions.

I heard Commissioner Sandoval is planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you Commissioner Sandoval would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From:	Goldthrite, Cody
To:	'mgoldenberg@luminusmgmt.com'
CC:	Gonzalez, Nuria
Sent:	6/7/2011 12:52:32 PM
Subject:	Meeting Request
Attachments:	Notebook.jpg; PEEVEY MEETING REQUEST FORM NEW 2011 REVISED.doc

Michael,

Can you please fill-out this form and send it back to Nuria please.

Thanks,

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

( ) Party requesting meeting: ( ) Party requesting conference call:
Today's date:
Docket or proceeding #
Reason for the meeting:
Industry (*please indicate with an X*) **ENERGY ( ) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X)* ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING ( )
Is this the initial meeting on a rate setting proceeding?*
Is this an equal time meeting? YES( ) NO( )
Has or will a hearing be held in this matter? YES( ) NO( )
Attendees (name, title, company):
Proposed date/time of meeting:
Contact name:
Contact phone:

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*
Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 6/11/2010

From:	Michael Goldenberg
To:	Goldthrite, Cody
CC:	Gonzalez, Nuria
Sent:	6/7/2011 12:56:50 PM
Subject:	RE: Meeting Request
Attachments:	Notebook.jpg; PEEVEY MEETING REQUEST FORM NEW 2011 REVISED.doc

Here you, Nuria and Cody.

Additionally, below please find the original email text I sent out:

Carol,

Thanks for taking the time to chat with me on the phone today.

To summarize, my name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities. President Peevey and I have met on numerous occasions.

Carol, you may remember - I was with a group of investors from Macquarie visiting your offices several months ago.

I heard President Peevey is planning to attend WSPSC in Denver, CO on June 12-15.

I was wondering if you President Peevey would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I look forward to hearing from you.

Thank you very much.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Tuesday, June 07, 2011 3:53 PM
To: Michael Goldenberg
Cc: Gonzalez, Nuria
Subject: Meeting Request

Michael,

Can you please fill-out this form and send it back to Nuria please.

Thanks,

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 06/07/11
Docket or proceeding # n.a.
Reason for the meeting: General discussion
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): **Michael Goldenberg, Investment Analyst, Luminus Management**
Proposed date/time of meeting: During WSPSC in Denver on June 12-15
Contact name: Michael Goldenberg
Contact phone: 212-615-3427 or 917-501-5980

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised 6/7/2011

From: Michael Goldenberg
To: cristhian.escobar@cpuc.ca.gov
Sent: 6/9/2011 4:38:47 AM
Subject: Re: Hey -- Commissioner Simon's new Chief of Staff

Understood, Cristhian. Thank you for your response.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, June 08, 2011 08:24 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

He will not be attending. Sorry for delay but it has been touch and go up until this week

---

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Tuesday, May 31, 2011 12:07 PM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Cristhian,

Want to finalize this issue of potential meeting with Commissioner Simon.

Please give me a call at 212-615-3427, or please let me know of Comm Simon's availability at WSPSC.

Thank you very much.

From: Michael Goldenberg
Sent: Wednesday, May 25, 2011 3:18 PM
To: 'Escobar, Cristhian'
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

thx.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 3:17 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

in mtg call in 5

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 12:16 PM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

just called you. can you please call me back - 212-615-3427. thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Wednesday, May 25, 2011 1:55 PM

To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

I am free after noon my time.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 10:46 AM
To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Cristhian,

Do you have a minute to talk now?

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Tuesday, May 03, 2011 4:13 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

MIchael,

This is a Commission meeting week and we are focused on getting the Commissioner ready for it. Can this wait until late Thursday or Friday.

Thanks,

Cristhian

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
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To: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Christian,

Good afternoon. Have been trying to reach you ayesterday and today. Can you please give me a call when you have a chance - 212-615-3427. Thank you.

From: Escobar, Cristhian [mailto:cristhian.escobar@cpuc.ca.gov]
Sent: Thursday, April 28, 2011 8:50 PM
To: Michael Goldenberg
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

Apologies for delayed response. It has been real busy this week. Let's touch base early next week. Let me know some times and we can go from there.

Thanks,

Cristhian

From: St. Marie, Stephen

Sent: Wednesday, April 27, 2011 10:50 AM
To: 'Michael Goldenberg'
Cc: Escobar, Cristhian
Subject: RE: Hey -- Commissioner Simon's new Chief of Staff

Michael,

I'm sorry you have been wasting your time. Ken Koss, Commissioner Simon's Chief of Staff has returned to retirement, so he will not be returning your messages. I am surprised he did not leave a forwarding e-mail address. Here is the new situation:

The new Interim Chief for Commissioner Simon is Cristhian Escobar.

Full Name: Escobar, Cristhian
Job Title: Interim Chief to Commissioner Simon
Business Address: 505 Van Ness Ave, San Francisco, California 94102
Business: (415) 355-5490
E-mail: cristhian.escobar@cpuc.ca.gov

Second, you should also have info on the support staff, for they don't turn over as often as the professional staff. So you can also call Ann-Christina Rothchild (acr@cpuc.ca.gov) at 415-703-3712.

Sorry, this is a crazy place, and people are moving around!

-- Steve.

Stephen St Marie
California Public Utilities Commission
Advisor on Policy and Planning
415-703-5173 (office)
415-244-3168 (mobile) -- Note NEW Cell Number!
sst@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
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Hey Stephen,

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From: Brown, Carol A.
To: 'Michael Goldenberg'
Sent: 6/12/2011 4:34:36 PM
Subject: RE: Meeting at WSPSC

I just sent him a reminder - He is on his way to Denver now - I will see if we can set something up (sorry - I have been on vacation for the past 3-weeks)

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 8:46 AM
To: Brown, Carol A.
Subject: RE: Meeting at WSPSC

Carol,

I wanted to follow up on my request (see below). Please let me know if President Peevey will be attending, and whether he would be willing to meet with me.

Thank you very much.

From: Michael Goldenberg
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Subject: Meeting at WSPSC

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I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019

Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Michael Goldenberg
To: carol.brown@cpuc.ca.gov
Sent: 6/12/2011 8:10:10 PM
Subject: Re: Meeting at WSPSC

No worries, Carol. Unfortunately, I will not be traveling to Denver. Bit I was able to communicate with President Peevey's assistant, while you were out. So, I'm all set. Thank you.

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Sunday, June 12, 2011 07:34 PM
To: Michael Goldenberg
Subject: RE: Meeting at WSPSC

I just sent him a reminder - He is on his way to Denver now - I will see if we can set something up (sorry - I have been on vacation for the past 3-weeks)

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 8:46 AM
To: Brown, Carol A.
Subject: RE: Meeting at WSPSC

Carol,

I wanted to follow up on my request (see below). Please let me know if President Peevey will be attending, and whether he would be willing to meet with me.

Thank you very much.

From: Michael Goldenberg
Sent: Wednesday, April 20, 2011 4:41 PM
To: 'cab@cpuc.ca.gov'
Subject: Meeting at WSPSC

Carol,

Thanks for taking the time to chat with me on the phone today.

To summarize, my name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities. President Peevey and I have met on numerous occasions.

Carol, you may remember - I was with a group of investors from Macquarie visiting your offices several months ago.

I heard President Peevey is planning to attend WSPSC in Denver, CO on June 12-15.

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From: Brown, Carol A.
To: 'Michael Goldenberg'
Sent: 6/13/2011 11:48:28 AM
Subject: RE: Meeting at WSPSC

Mike said to track him down and he would love to chat with you - I do not know his exact schedule - but if you find him, he would love to meet with you. If you are unsuccessful in finding him today, call or e-mail me and I will try and track him down for you - 415-703-2971
thanks
Carol
cab@cpuc.ca.gov

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, May 25, 2011 8:46 AM
To: Brown, Carol A.
Subject: RE: Meeting at WSPSC

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Thank you very much.

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To: 'cab@cpuc.ca.gov'
Subject: Meeting at WSPSC

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From:	Michael Goldenberg
To:	bnk@cpuc.ca.gov
Sent:	6/20/2011 7:25:35 AM
Subject:	Meeting Request at WPTF
Attachments:	Meeting Request Form.PDF

Juliane,

My name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities.

I have met with Commissioners at your CPUC offices on a number of occasions. I quickly met Commissioner Ferron at your offices as well, during one meeting prior to his official appointment.

I heard Commissioner Ferron is planning to attend Western Power Trading Forum at The Villagio Inn & Spa in Yountville (Napa Valley), CA on Friday, June 24.

I was wondering if you Commissioner Ferron would have a window of 20-30 minutes, so we could meet and discuss issues facing CPUC today.

I am very flexible, schedule-wise. So, almost any time window, in any location at or near hotel, would work for me.

I've attached the official meeting request form.

I look forward to hearing from you.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

COMMISSIONER MARK FERRON
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2444

MEETING REQUEST FORM

Party requesting meeting:	MICHAEL GOLDENBERG
Today's date:	6/20/11
Docket or proceeding # (if applicable)	N.A.
Reason for the meeting:	please see email
Industry (*please indicate with an X*) **ENERGY** (X) **TELECOMMUNICATIONS** ( ) **TRANSPORTATION** ( ) **WATER** ( )	
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)	
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.	
Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No ( )	
Has or will a hearing be held in this matter? YES( ) NO(X)	
Attendees (Number of attendees, name, title, company):	MICHAEL GOLDENBERG, INVESTMENT ANALYST, LUMINUS MGMT
If Commissioner is unable to attend, would you like to meet with one of his advisors:	YES
Proposed date/time of meeting:	FRI. 6/24 AT WESTERN POWER TRADING FORUM
Contact name:	MICHAEL GOLDENBERG
Contact phone:	212-615-3429 or 917.501-5980

Rule 8.2(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that kicks off the equal time

From: Banks, Juliane
To: 'Michael Goldenberg'
Sent: 6/22/2011 6:27:32 PM
Subject: RE: Meeting Request at WPTF

Hi Michael,

No worries, I understand you are eager to finalize your plans.

Comr. Ferron's prefers to not have a lunch meeting and would like to meet with you sometime after his speech.

The best way to reach him on Friday should you need assistance would be through me. I have copied my information below.

415-703-2284 or 415-703-2444
bnk@cpuc.ca.gov

Thank you,
Juliane

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, June 22, 2011 2:22 PM
To: Banks, Juliane
Subject: RE: Meeting Request at WPTF

Juliane,

I profusely apologize for calling you again. I'm really sorry for bugging you.

Thank you very very much for helping me out scheduling the meeting. I sincerely appreciate it.

I look forward to seeing Commissioner Ferron on Friday.

Mike.

From: Michael Goldenberg
Sent: Tuesday, June 21, 2011 5:29 PM
To: 'bnk@cpuc.ca.gov'
Subject: RE: Meeting Request at WPTF

Juliane,

Thank you again for helping to set up the meeting with Commissioner Ferron.

Please send me his contact info when you get a chance. Thank you.

From: Michael Goldenberg
Sent: Monday, June 20, 2011 10:26 AM
To: 'bnk@cpuc.ca.gov'
Subject: Meeting Request at WPTF

Juliane,

My name is Michael Goldenberg. I work at Luminus Management, a utility-focused investment firm.

We have invested in California Utilities for about a decade. We currently have well over $150 million invested in California Utilities.

I have met with Commissioners at your CPUC offices on a number of occasions. I quickly met Commissioner Ferron at your offices as well, during one meeting prior to his official appointment.

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I look forward to hearing from you.

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New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

From:	St. Marie, Stephen
To:	Michael Goldenberg (mgoldenberg@luminusmgmt.com)
Sent:	11/14/2011 1:40:03 PM
Subject:	New PG&E Investigation -- per your call
Attachments:	I11-11-009 PG&E 151382.pdf

Michael,

Sorry this slipped my mind during our telephone conversation. I believe this has hit the news already. It is not directly related to the San Bruno investigation. What has been discovered (by PG&E itself as well as by the CPUC) is that in some cases, PG&E has not followed CPUC rules regarding appropriate gas-pressure rules that are set for different levels of development, such as "high consequence areas." So, this is an investigation to follow up. Attached.

Here's the Dow Jones take:

Dow Jones Newswires - **California Regulators Consider New Penalties For PG&E Over Pipelines**
By Cassandra Sweet, Nov. 10

California regulators launched a new case against PG&E Corp. (PCG) Thursday to determine whether to impose penalties on the utility for allegedly violating safety rules in its operation of natural gas pipelines, following a fatal explosion last year.

The California Public Utilities Commission said it plans to determine whether PG&E failed to classify its pipelines correctly and whether the utility failed to comply with federal standards requiring that it regularly study, patrol, and survey pipelines that run through densely populated areas.

On Sept. 9, 2010, PG&E's gas pipeline in San Bruno, Calif., exploded, igniting a fireball that killed eight people, injured 58, destroyed 38 homes and damaged 70 others.

After a yearlong investigation, the National Transportation Safety Board concluded in August that welding defects, which weakened the pipeline over time, caused it to rupture. The board also blamed widespread flaws in PG&E's pipeline operations and poor government oversight.

A study commissioned by the CPUC showed that PG&E had misclassified some pipelines that traverse populated areas and that the company had likely been operating those sections of pipe at higher pressures than allowed, the CPUC said.

The probe could result in penalties levied against PG&E of up to $20,000 for each day the utility violated the law, the agency said.

-- *Steve*

Stephen St Marie
Policy and Planning Advisor
Office of Commissioner Catherine JK Sandoval
California Public Utilities Commission
415-703-5173 (office)
415-940-1984 (mobile)
sst@cpuc.ca.gov

Date of Issuance
November 10, 2011

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Pacific Gas and Electric Company's Natural Gas Transmission Pipeline System in Locations with Higher Population Density.	**FILED** **PUBLIC UTILITIES COMMISSION** **NOVEMBER 10, 2011** **SAN FRANCISCO** **I.11-11-009**

ORDER INSTITUTING INVESTIGATION

I. INTRODUCTION AND STATEMENT OF PURPOSE

The Commission institutes this formal investigation to determine whether the named Respondent, Pacific Gas and Electric Company ("PG&E"), violated any provisions of the California Public Utilities Code, Commission rules, general orders, or decisions, federal regulations, or other applicable rules or requirements pertaining to the operation of its natural gas transmission pipeline system in or near locations of higher population density. This Order Instituting Investigation ("OII") will determine whether PG&E's natural gas transmission pipeline system was safely operated in areas of greater population density or other areas identified as High Consequence Areas ("HCAs") pursuant to 49 Code of Federal Regulations ("C.F.R."), §§ 192.5 *et seq*.

This investigation will also review and determine whether PG&E properly and safely reviewed, on a regular basis, its natural gas transmission pipelines to identify areas of increased population density so as to modify its maximum allowable operating pressures (taking pressure gradient into account) commensurate with the actual class location, to replace pipeline segments with stronger pipe commensurate with the actual class location, to review and study changes in population density affecting pipeline design, construction, and testing procedures, and to review the physical condition of pipeline segments including the operation and maintenance history of pipeline segments.

CPUC05518

The Commission enforces a variety of federal and state laws that impose safety requirements pertaining to the design, construction, inspection, testing, operation, and maintenance of the intrastate natural gas transmission pipeline systems of California utilities. The purpose of the federal Pipeline Safety Act is "to provide adequate protection against risks to life and property posed by pipeline transportation and pipeline facilities." (49 U.S.C. § 60102(a)(1).) "To accomplish this purpose, the federal Pipeline Safety Act establishes minimum safety standards." (*Northwest Gas Ass'n v. Washington Utilities & Transportation Commission* (2007) 141 Wn.App. 98, 103, 168 P.3d 443 *review denied, Northwest Gas Ass'n v. Washington Utilities & Transportation Commission* (2008) 163 Wn.2d 1049; see also 49 C.F.R. § 192.1.) The Commission is free to adopt more strenuous safety standards.

The Respondent in this proceeding is PG&E, a privately owned public utility subject to the safety and rate jurisdiction and regulation of this Commission, California law, and the Commission's general orders, rules, and decisions, and the minimum federal standards for the transportation of natural gas by pipeline previously mentioned. (See 49 C.F.R. §§ 192.5 *et seq.*) PG&E operates approximately 6,438 miles of natural gas transmission pipeline which includes 1,059 miles of HCAs[1]—50 miles in class 1 locations,[2] 29 miles in class 2 locations,[3] 945 miles in class 3 locations,[4] and

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[1] See the NTSB's Accident Report on *PG&E's Natural Gas Transmission Pipeline Rupture and Fire, San Bruno, California, Sept. 9, 2010, NTSB/PAR-11/01, PB2011-916501* ("NTSB's San Bruno Accident Report"), adopted August 30, 2011, at p. 51.

[2] A Class 1 location generally is any class location unit with 10 or fewer buildings intended for human occupancy. A unit is defined as a location extending 220 yards on either side of the centerline of any continuous 1-mile length of pipeline. (49 C.F.R. § 192.5(b)(1).)

[3] A Class 2 location generally is any class location unit having more than 10 but fewer than 46 buildings intended for human occupancy. (49 C.F.R. § 192.5(b)(2).)

[4] A Class 3 location is any class location unit having 46 or more buildings intended for human occupancy. (49 C.F.R. § 192.5(b)(3).)

CPUC05519

4 miles in class 4 locations.[5] Class location designations and their definitions are discussed *infra*. Federal minimum standards for natural gas transmission pipelines at 49 C.F.R. §§192.5 *et seq.*, apply to these locations on PG&E's gas transmission pipeline system. Federal transmission pipeline safety standards were first adopted by the United States Department of Transportation ("U.S.D.O.T.") in 1970.

The Commission's General Order ("G.O.") 112 "Governing the Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems" was adopted in 1960. Following the passage of federal pipeline safety regulations in 1970, G.O. 112 was modified to "automatically incorporate all revisions to the Federal Pipeline Safety Regulations, 49 C.F.R. Parts 190, 191, 192, 193, and 199 with the effective date being the date of the final order as published in the Federal Register." (G.O. 112-E § 104.)

However, even before the Commission issued the original version of G.O.112 and the U.S.D.O.T. adopted minimum safety standards, pipeline operators relied on consensus standards from industry organizations such as the American Standards Association and the American Society of Mechanical Engineers ("ASME"), particularly ASME standard B31.1.8, *Standard Code for Gas Transmission and Distribution Piping Systems*. This ASME standard B31.1.8 would have applied to PG&E's pipeline system before government regulations were adopted. It was modified in 1955 to include the four-tier population density-based class location system set forth in 49 C.F.R. §§ 192.5 *et seq.*, described above. (See the NTSB's San Bruno Accident Report at p. 47.)

II. SUMMARY OF PRELIMINARY FINDINGS

Following the September 9, 2010 fire and explosion resulting from the rupture of PG&E's pipeline L-132 at San Bruno, California, the Commission ordered

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[5] A Class 4 location is any class location unit where buildings with four or more stories above ground are prevalent. (49 C.F.R. § 192.5(b)(4).) See also: NTSB's Accident Report, *Pacific Gas and Electric Company, Natural Gas Transmission Pipeline Rupture and Fire, San Bruno, California, Sept. 9, 2010*, NTSB/PAR-1101, PB2011-916501, adopted August 30, 2011, at p. 51.

CPUC05520

PG&E to "review the classification of its natural gas transmission pipelines and determine if those classifications have changed since the initial designation." (Resolution L-403, adopted September 23, 2010, Ordering Paragraph 18 (Attachment 1).) Further, the Commission ordered PG&E to "report the results of its review of the classification of its natural gas transmission lines and any subsequent changes to those classifications since PG&E's initial designation to the Executive Director within ten (10) days of the date of this Resolution." (Resolution L-403, Ordering Paragraph 19.) On October 4, 2010, PG&E responded to Resolution L-403 stating that it had "completed the review of its gas transmission pipelines operating at pressures greater than 60 pounds per square inch (PSIG) totaling approximately 6,700 miles of pipeline as directed. PG&E's review utilized its gas transmission pipeline database to compare the classification recorded at initial installation to the current classification…[and] identified 1,057 miles of pipeline where the current classification is different from the initial classification." (PG&E's Oct. 4, 2010 Letter to the Commission's Executive Director (Attachment 2).)

On January 3, 2011, the NTSB issued urgent recommendations to PG&E to determine "the valid maximum allowable operating pressure" for its natural gas transmission lines "in class 3 and class 4 locations that have not had a maximum allowable operating pressure established through prior hydrostatic testing" through a "traceable, verifiable, and complete" search of its "as-built drawings, alignment sheets, and specifications, and all design, construction, inspection, testing, maintenance, and other related records." ((P-10-2) (Urgent) and (P-10-3) (Urgent))[6] The search required, among other things, that PG&E have in its possession, and readily available, complete and up-to-date records of the class designations of all segments of its transmission pipeline system.

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[6] See the NTSB's five page Safety Recommendation P-10-2 and -3 (Urgent) and P-10-4) to Mr. Christopher Johns, President, PG&E, dated January 3, 2011, signed by Deborah A.P. Hersman, Chairman, NTSB, (Attachment 3) and the Commission's Executive Director's Letter to PG&E's President, Christopher Johns, dated January 3, 2011, directing PG&E to comply with all of the NTSB's Safety Recommendations (Attachment 4).

CPUC05521

A more thorough search was conducted by PG&E which resulted in the "CPUC Class Location Study" ("Class Location Study") dated June 30, 2011 (Attachment 5). However, PG&E informed the Commission in that Study that PG&E was continuing to review its records to confirm "the appropriate MAOP[7] for approximately 100 miles (less than 2%) of the transmission system that, according to information in PG&E's GIS database, may be operating at a higher pressure than appropriate for their current class designation." (Class Location Study at p. 7.) Attachment A to PG&E's Class Location Study provided 54 segments requiring pressure reductions that had no immediate customer impact and Attachment B which contained a list of 13 segments requiring pressure reductions that might impact customers.

Because PG&E has admitted that its class designations are in error for at least some of its transmission pipeline segments, PG&E appears to have failed to comply with federal regulations concerning the protection of persons and property in areas with higher concentrations of human occupancy and activity. Prior to the June 30, 2011 Class Location Study, PG&E does not appear to have reduced the pressure in existing pipeline segments in class 3 and 4 locations as required by 49 C.F.R. § 192.611 or, in the alternative, to replace existing pipeline segments with stronger pipe in these locations as required by that federal regulation.

The Pipeline and Hazardous Materials Administration ("PHMSA") of the U.S.D.O.T. has safety jurisdiction over natural gas transmission pipelines in the United States. (49 U.S.C. § 60101(a)(6)(B).) PHMSA's safety regulations specify minimum safety standards which the states must meet or exceed.[8] (See *Northwest Gas Ass'n v. Washington Utilities & Transportation Commission, supra.*) Among other things PHMSA's pipeline design standards require consideration of the pipeline's proximity to

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[7] Maximum Allowable Operating Pressure ("MAOP").

[8] 49 U.S.C. § 60105(b)(2) provides that a State may be granted safety jurisdiction over its natural gas transmission pipelines so long as the State adopts each safety standard prescribed by the federal government under 49 U.S.C. § 60101 et seq.

population density. Class location designations are reflective of population density in the immediate vicinity of the pipeline. For example, a class 1 location, defined *supra*, is the least densely populated location adjacent to the pipeline while a class 4 location is the most densely populated location adjacent to the pipeline segment. Pipeline segments near the more densely populated areas require stronger pipe or reduced gas pressure to mitigate the potential dangers to those populated areas.

TABLE 1

Class Location	Minimum Yield Strength[2] For Pipeline Segments at MAOP
1	MAOP shall not exceed **72%** of yield strength
2	MAOP shall not exceed **60%** of yield strength
3	MAOP shall not exceed **50%** of yield strength
4	MAOP shall not exceed **40%** of yield strength

PG&E's potential failure to provide adequate safety and protection in violation of the federal minimum standards include the following.

[2] Pressure is derived from the design formula for steel pipe in 49 C.F.R. §192.105. [$P = (2St/D) \times F \times E \times T$.] Using the outside pipe diameter, wall thickness of the pipe in inches, the design factor set forth in 49 C.F.R. § 192.111, the longitudinal joint factor set forth in 49 C.F.R. § 192.113, and a temperature factor set forth in 49 C.F.R. § 192.115, and steel properties in accordance with 49 C.F.R. § 192.107. For example, generally the Maximum Allowable Operating Pressure (MAOP) in a pipeline segment in a class 1 location, with all de-rating factors considered, can produce a hoop stress not exceeding 72% of the pipe Specified Minimum Yield Strength (SMYS). The MAOP for a pipeline segment may not exceed this percentage of minimum yield strength for each of the four class locations. The fact that a segment is one class out-of-class may not result in the segment exceeding the maximum percentage of SMYS. To meet class change conditions, a system operator may either replace the existing pipe with stronger pipe or reduce the pressure in the pipe thereby reducing the stress on the pipe to a level which meets 49 C.F.R. § 192.611.

CPUC05523

A. PG&E Has Conceded that it Misidentified the Class Locations of 172.1 Miles of Its Natural Gas Transmission Pipelines

PG&E indicated in its June 30, 2011 Class Location Study that 172.1 miles of its natural gas transmission lines were identified as being located in areas of lower population density than was actually the case. The Class Location Study also identified 54.2 miles of natural gas transmission pipeline that were erroneously classified as class 1 when they were actually class 2 locations. (Class Location Study at p. 4.) The Class Location Study identified 52.1 miles of pipeline that were erroneously classified as class 1 when they were actually class 3 locations. The Class Location Study identified 0.4 miles of pipeline segments that were erroneously classified as class 1 when they were actually class 4 locations. (*Ibid.*) The Class Location Study also identified 64.4 miles of pipeline that were erroneously classified as class 2 when they were actually class 3 locations. (*Ibid.*) Lastly, the Class Location Study identified 1.0 miles of pipeline segments that were erroneously classified as class 3 when they were actually class 4 locations. (*Ibid.*)

B. PG&E's Class Location Study Indicates that PG&E May Have Failed to Have Replaced Pipeline Segments with Stronger Pipe Material, or Reduced the Segment's Maximum Allowable Operating Pressure, When a Segment Designation Changed—Which Would Be a Violation of 49 Code of Federal Regulations, Part 192.611

As mentioned above, federal safety regulations protecting persons and property in areas near natural gas transmission pipelines demand increasing levels of pipeline strength or reduced operating pressures as the human habitation or occupation[10] in those areas increases. PG&E identified 172.1 miles of natural gas transmission

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[10] Human habitation and/or occupancy include more than just residential, commercial, or industrial development. Under 49 C.F.R. § 192.903, the concept of population density incorporates other kinds of human development such as public assembly areas at beaches, playgrounds, recreational facilities, camping grounds, outdoor theaters, stadiums, recreational areas near a body of water. It includes areas outside a rural building such as a religious facility, community centers, general stores, 4-H facilities, or

pipeline segments in the Class Location Study that were erroneously classified under 49 C.F.R. §192.5. These locations indicated population densities that were lower than actual population densities. Further, PG&E neither increased the strength of its pipeline segments nor reduced the MAOP for portions of the 52.5 miles of pipeline segments it had misclassified as class 1 when the actual class location designation was class 3 or class 4. Wherever the misclassified pipeline segment required a reduction in MAOP gas pressure, or a replacement with higher strength pipe, the segment may have been operating above federally-mandated maximum levels. Under those circumstances, PG&E would have violated 49 C.F.R. § 192.611.

For instance, where PG&E operated its pipeline system segments at certain class designations lower than the actual existing class designations under 49 C.F.R. §192.5 (e.g., segments operated by PG&E as a class 1 location when, in fact, it was actually a class 3 or class 4 location as identified in PG&E's Class Location Study), the MAOP of those segments' may have exceeded the maximum MAOP permitted under 49 C.F.R. § 192.611—a serious violation. As an example, SMYS for the class 1 locations which may have been limited to 72% would be reduced to a value no higher than 60% of SMYS for a location which became class 3, and no higher than 50% of SMYS for one that became a class4. If PG&E operated a pipeline segment at a class 3 location at an MAOP permitted for a class 1 location), PG&E's MAOP for that particular segment may have significantly exceeded that permitted by 49 C.F.R. § 192.611. Attachments A and B to PG&E's Class Location Study indicated that as of June 30, 2011, PG&E needed to reduce maximum allowable gas pressure for 67 natural gas transmission pipeline segments in order to comply with 49 C.F.R. § 192.611. If PG&E exceeded the maximum allowable operating pressure at these locations for any

---

roller skating rinks, and includes hospitals, prisons, schools, day-care facilities, retirement facilities or assisted-living facilities.

period of time, PG&E would have exposed nearby populations to an increased risk of pipeline failure in violation of federal and state safety regulations.

C. A Failure by PG&E to Conduct Class Location Studies Whenever an Increase in Population Density Indicated a Change in Class Location for a Segment of Pipeline Operating at More Than 40 Percent of SMYS Is a Potential Violation of 49 Code of Federal Regulations, Part 192.609

Title 49 C.F.R. § 192.609 requires that PG&E make a study to determine the actual class location of the pipeline segment "whenever" there is a change in population density. The study must compare the design, construction, and testing procedures used in the original construction to the requirements for the new increased class location level. PG&E is required to consider the physical condition of the segment to the extent ascertainable from available records, the operating and maintenance history of the segment, the maximum actual operating pressure and the corresponding hoop stress, taking pressure gradient into account, for the pipeline segment, and the actual area affected by the population density increase including physical barriers or other factors which may limit further expansion of the more densely populated area. (See 49 C.F.R. § 192.609.)

PG&E appears to have failed to conduct these class location studies whenever the class location, previously identified by PG&E for the segment, changed, i.e., a change in class location due to an increase in population density. PG&E's admission in its Class Location Study of June 30, 2011, that 172.1 miles of its transmission pipeline segments were misclassified at too low a class designation, may evidence a failure to comply with the class study requirement under 49 C.F.R. §192.609 at the time population density actually changed. To date, PG&E has not provided evidence that studies were conducted whenever a change in class location occurred. To the contrary, the Class Location Study seems to indicate that a change in class in some class 3 and class 4 locations went undetected by PG&E until June 30, 2011, when the

Class Location Study was performed at the direction of the Commission in Resolution L-403, Ordering Paragraphs 18 and 19 (Sept. 23, 2010).

D. PG&E's Admission that Some Class 3 and Class 4 Locations and Class 1 and Class 2 Locations Were Not Properly Designated Evidences a Potential Failure by PG&E to Adequately Patrol its Natural Gas Transmission System under 49 Code of Federal Regulations Part 192.705.

In order to operate natural gas transmission pipelines commensurate with the strength of the pipe based on the requirements of 49 C.F.R. § 192.611, federal regulations require that pipeline system operators have a patrol program to observe surface conditions on and adjacent to the transmission line right-of-way for indications of leaks, construction activity, and other factors affecting safety and operation. The frequency of patrols is determined by the size of the line, the operating pressures, the class location, terrain, weather, and other relevant factors, but intervals between patrols may not be longer than 15 months (but at least once each calendar year) for Class 1 and 2 up to 4 times each calendar year at intervals not exceeding 4.5 month, in Class 4 locations. (See 49 C.F.R. § 192.705.) The patrolling methods can include walking, driving, flying or other appropriate means of traversing the right-of-way.

PG&E's Class Location Study identifyimg 172.1 miles of pipeline which were misclassified, sometimes two or more classes or levels out-of-class, demonstrates a possible lack of regular and/or adequate patrolling required under 49 C.F.R. § 192.705 to adequately identify changes in class locations on its general system of natural gas pipelines.

E. PG&E's Admission that Some Class 2, Class 3, and Class 4 Locations Were Not Properly Designated Evidences a Potential Failure to Provide Continuing Surveillance of its Pipeline System under 49 Code of Federal Regulations Part 192.613.

Federal regulations require a natural gas transmission pipeline operator to have a procedure for continuing surveillance of its facilities to determine and take

appropriate action related to changes in class location, failures, leakage history, corrosion, substantial changes in cathodic protection requirements, and other unusual operating and maintenance conditions. (See 49 C.F.R. § 192.613.) PG&E's misidentification of 172.1 miles of pipeline segments evidences a possible failure to adequately surveil its transmission pipeline system for the above-mentioned issues, particularly changes in class location designation.

F. Any Failure by PG&E to Furnish and Maintain Such Adequate, Efficient, Just, and Reasonable Service, Instrumentalities, Equipment, and Facilities, Including Such Service, Instrumentalities, Equipment, and Facilities to Individuals with Disabilities, as Are Necessary to Promote the Safety, Health, Comfort, and Convenience of its Patrons, Employees, and the Public Is A Potential Violation of California Public Utilities Code Section 451.

A failure by PG&E to comply with any of the above-mentioned federal safety regulations for the operation of its natural gas transmission pipeline system may establish a failure on its part to provide Californians in PG&E's service territory with safe, healthful, comfortable, and convenient natural gas transmission service, instrumentalities, equipment, and facilities and, therefore, may constitute a violation of California Public Utilities ("Cal. Pub. Util.") Code § 451.

For instance, a failure to replace pipeline segments with higher-strength pipe or reduce the MAOP on segments in areas of higher population density pursuant to 49 C.F.R. § 192.611, could place persons working or living nearby at serious risk. Allowing pipeline segments to operate at pressures above the federally mandated safety levels under 49 C.F.R. §192.611, would constitute a serious violation of Cal. Pub. Util. Code § 451.

Likewise, a failure by PG&E to commence class location studies under 49 C.F.R. § 192.609 "whenever" the segment's population density increased by another factor, e.g., an increase from class 1 to class 2, or class 1 to class 3, would violate minimum federal safety standards, place nearby workers and occupants at risk, and could be a serious violation of Cal. Pub. Util. Code § 451.

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III. PRELIMINARY SCOPING MEMO

Within 30 days of the mailing date of this order, PG&E shall file and serve a response to this OII. If additional time is needed by PG&E, PG&E shall meet and confer with Staff prior to requesting an extension from the Administrative Law Judge ("ALJ").

The assigned ALJ will set a schedule for the Prehearing Conference ("PHC"). The PHC will address scoping and scheduling issues. Shortly thereafter, the Assigned Commissioner will issue a scoping memo setting forth the scope of the proceeding, establishing a procedural schedule and determining the category of this proceeding.

IV. PROCEEDING CATEGORY AND NEED FOR HEARING

Rule 7.1(c) of the Commission's Rules specifies that an Order Instituting Investigation will preliminarily determine the category of the proceeding and the need for hearing. We determine that this proceeding is adjudicatory as defined in Rule 1.3(a), and evidentiary hearings may be necessary. The categorization is appealable under Rule 7.6 of the Commission's Rules of Practice and Procedure.

V. EX PARTE COMMUNICATIONS PROHIBITED

Article 8 of the Commission's Rules of Practice and Procedure applies to all communications with decision makers and advisors regarding the issues in this proceeding. This proceeding is categorized as adjudicatory and Rule 8.3(b) prohibits *ex parte* communications.

VI. PG&E SHALL COMPLETE ITS RESPONSES TO STAFF'S INQUIRIES INTO THE POTENTIAL VIOLATIONS IN THIS PROCEEDING BEFORE COMMENCEMENT OF ITS OWN DISCOVERY INTO STAFF'S INVESTIGATION

In Resolution L-403 the Commission explicitly noted that "public utilities in California are statutorily required to report any facts or expert opinions as to the cause of accidents to the Commission under the Public Utilities Code section 315." ((Resolution L-403 (Sept. 23, 2010) at p. 7).) Further, the Commission provided that

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PG&E "shall provide full cooperation to Commission staff and the Panel during the investigation into the cause of the San Bruno explosion and the safety of PG&E's gas transmission pipelines in general." (*Id.* at p. 5.) "Even without the compulsion of a subpoena, the Commission hereby confirms that under Public Utilities Code §§ 313, 314, 314.5, 315, 581, 582, 584, 701, 702, 771, 1794, and 1795, the Commission staff may obtain information from utilities and is already deemed to have the general investigatory authority of the Commission." (*Id.* at p. 6.)

The Commission also noted that it "expect[ed] that PG&E will not withhold facts or expert opinions under the guise of attorney-client privilege or the work product doctrine." (*Id.* at p. 7.) The Commission stated in Resolution L-403 that PG&E was:

> on notice that it must promptly make available its employees and independent contractors for interviews requested by federal investigators (e.g., the National Transportation Safety Board ("NTSB")) and state investigators (e.g., Commission staff or the Panel), including examinations under oath pursuant to Public Utilities Code section 314.

(*Ibid.*)

Consequently, the staff's investigation in this proceeding must be completed before PG&E commences its own inquiries into the results and analysis of staff's report and/or allegations to this Commission. PG&E will be accorded all of the traditional judicial safeguards in the adjudicative hearings in this proceeding that will follow the completion of staff's investigation.

THEREFORE, IT IS ORDERED that:

1. An investigation on the Commission's own motion is hereby instituted to determine whether the Pacific Gas and Electric Company ("PG&E") violated any provision or provisions of the California Public Utilities Code, Commission rules, general orders, or decisions, federal regulations, or other applicable rules or requirements pertaining to the operation of its natural gas transmission pipeline system in class 2 locations, class 3 locations, class 4 locations, or near High Consequence Areas ("HCAs").

2. PG&E is named as the Respondent in this investigation.

3. Staff's investigation in this proceeding shall be completed before PG&E commences its discovery into the results and analysis of staff's investigation.

4. Respondent PG&E is directed to show at hearings why the Commission should not find it in violation of provisions of the Public Utilities Code (Pub. Util. Code), Commission rules, general orders, decisions, federal regulations, or other applicable rules or regulations, and why the Commission should not impose penalties. If any violation by PG&E is found, PG&E is directed to show why penalties and/or any other form of remedial relief should not be applied.

5. PG&E is hereby given notice that fines may be imposed in this matter pursuant to Public Utilities Code §§ 2107 and 2108.

6. Pursuant to Rule 7.1(c) of the Commission's Rules of Practice and Procedure, this proceeding is categorized as adjudicatory, deemed to require evidentiary hearings. *Ex parte* communications are prohibited. The determination as to the category is appealable under Rule 7.6 of the Commission's Rules of Practice and Procedure.

7. A prehearing conference shall be convened before an Administrative Law Judge ("ALJ") for the purpose of establishing a schedule in this matter, including the dates, time, and location of an evidentiary hearing, and for good cause shown the ALJ and/or Assigned Commissioner may extend the report deadlines specified herein, for any particular responses required.

8. The Executive Director shall cause a copy of this Order to be served electronically and by certified mail on the Respondent, PG&E, at:

Christopher P. Johns, President
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Brian K Cherry
Vice President, Regulatory Relations
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Bkc7@pge.com

This order is effective today.

Dated November 10, 2011, at San Francisco, California.

MICHAEL R. PEEVEY
President
TIMOTHY ALAN SIMON
MICHEL PETER FLORIO
CATHERINE J.K. SANDOVAL
MARK J. FERRON
Commissioners

CPUC05532

From: Michael Goldenberg
To: jmh@cpuc.ca.gov
Sent: 4/5/2012 11:35:12 AM
Subject: Follow-Up

Julie,

It was a pleasure to briefly chat with you today.

Would very much like follow up on the discussion regarding PG&E and San Bruno.

When you get a chance, please call me at 212-615-3427.

Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
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From:	Michael Goldenberg
To:	rmp@cpuc.ca.gov
Sent:	8/15/2012 4:10:36 PM
Subject:	Conference Call Transcripts
Attachments:	EIX - 2012-Q2 Earnings Transcript.pdf; PCG - 2012-Q2 Earnings Transcript.pdf

Here you go, Mark.

Regards,

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31-Jul-2012

Edison International *(EIX)*

Q2 2012 Earnings Call

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Banc of America Securities-Merrill Lynch

MANAGEMENT DISCUSSION SECTION

Operator: Good afternoon. My name is Gabrielle, and I will be your conference operator today. At this time, I would like to welcome everyone to the Edison International Second Quarter 2012 Financial Teleconference. All lines have been placed on mute to prevent background noise. After the speakers' remarks, there will be a question-and-answer session. [Operator Instructions] Today's call is being recorded. If you have any objections you may disconnect at this time.

And I would know like to turn the call over to Mr. Scott Cunningham, Vice President of Investor Relations. Thank you, Mr. Cunningham, you may begin your conference.

Scott S. Cunningham
Vice President-Investor Relations

Thanks, Gabrielle, and good afternoon, everyone. Our principal speakers today will be Chairman and CEO, Ted Craver; and Chief Financial Officer, James Silacci. Also with us are other members of the management team.

The presentation that accompanies Jim's comments, the earnings press release and our 10-Q filings are available on our website at www.edisoninvestor.com. Tomorrow afternoon we will issue our regular quarterly business update presentation that will use these and other slides for our ongoing Investor discussions.

During this call we will make forward-looking statements about the financial outlook for Edison International and its subsidiaries and about other future events. Actual results could differ materially from current expectations. Important factors that could cause different results are set forth in our SEC filings. We encourage you to read these carefully.

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The presentation includes certain outlook assumptions as well as reconciliation of non-GAAP measures to the nearest GAAP measure. When we get to Q&A, please limit yourself to one question and one follow-up. If you have further questions, please return to the queue.

With that, I will turn the call over to Ted Craver.

Theodore F. Craver

Chairman, President & Chief Executive Officer

Thank you, Scott, and good afternoon, everyone. Today Edison International reported second quarter GAAP earnings of $0.23 per share and core earnings of $0.32 per share. As expected, this was below last year's $0.54 per share in GAAP earnings and $0.56 per share in core earnings. Second quarter results reflect unrecovered costs at Southern California Edison due to the delayed General Rate Case decision. In addition, we have continued inspection and repair costs related to the outage at the San Onofre Nuclear Generating Station. SCE will look to recover these costs in the future. We also saw additional losses at EMG this quarter, primarily reflecting low power prices. This further underscores the need to restructure and stabilize our competitive generation business, as I will talk about in a few minutes.

There are several important developments at Southern California Edison this quarter. I will spend most of my time on the San Onofre Nuclear Generating Station, or SONGS as we call it.

Both units at SONGS remain safely shut down for inspections, analysis and testing following the January 31 Unit 3 steam generator tube leak. SCE has retained several outside industry experts, consultants and steam generator manufacturers, and in addition to heavy -- Mitsubishi Heavy Industries which designed and manufactured our steam generators, to analyze the causes of the unique tube-to-tube wear and potential remedial actions.

On July 19, the NRC released its detailed findings from its augmented inspection team. It summarized its findings by saying that faulty computer modeling inadequately predicted conditions in the steam generators, and manufacturing issues contributed to excessive wear of the components. The report states that the excessive wear arose from tube-to-tube contact caused by vibration in the tubes in certain areas of the steam generators. The excessive vibration is due to a phenomenon called fluid elastic instability, which is discussed in detail in the report.

The NRC has identified a number of outstanding issues that it still is reviewing. To date the inspection and repair effort is focused on a substantial amount of technical analysis work and preventative plugging of tubes where appropriate, based on indications of prior or potential future wear, both in areas where there was tube-to-tube contact and tube-to-support contact. Each of the four steam generators has over 9,700 heat transfer tubes and is designed to include sufficient tubes to accommodate a need to remove some from service for a variety of reasons. And the tubes that SCE has preventively removed from service are all well within this margin.

SONGS will not be restarted until SCE determines that it is safe to do so, and when startup has been approved by the NRC pursuant to the terms of a Confirmatory Action Letter. Any remedial action that will permit restart of one or both of the units will need to ensure that the fluid elastic instability phenomenon does not reoccur. Because Unit 2 experienced considerably less tube-to-tube wear it could restart months in advance of Unit 3.

Any restart of Unit 2 would likely operate at reduced power levels and with mid-cycle scheduled outages to provide for additional inspection and testing to ensure safe operation. Inasmuch as Unit 3 had more tube-to-tube than Unit 2 it is not clear at this time whether Unit 3 will be able to restart without extensive additional repairs.

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SCE is also looking longer-term at what repairs, if any, could allow the steam generators to operate safely at full power as originally specified.

At this time SCE has not determined what those repairs might be or whether the generators will need to be replaced for the units to operate at full output.

In the interim SCE is reviewing its O&M and capital expenditures at SONGS with a view to reducing expenditures to mitigate the added cost pressures from both units being out of service. I would like to clear up some confusion that has arisen in the past regarding potential dates for submitting our response to the Confirmatory Action Letter.

We have never released a specific date for our submittal. Under the California Independent System Operator rules we are required to post an estimated restart date on their website whenever we have a generating unit down for an outage, but these are only rough estimates and not formal forecast timelines. We will not be forecasting specific timelines for a Confirmatory Action Letter submittal or potential startup dates. As we have said many times, there is no timeline for safety, and to forecast dates is inconsistent with prudent decision-making.

Turning to the regulatory review at the state level, there are several mechanisms in place for the California Public Utilities Commission to provide oversight and review the reasonableness of expenditures related to the outage. First, the steam generator project costs remain subject to a CPUC reasonableness review once SCE submits final cost for the project.

As of June 30, SCE has spent $593 million on the project compared to the inflation-adjusted authorized spend of $665 million for SCE's 78% ownership share. Second, power purchased to replace SONGS generation is recoverable through the ERRA balancing account, which is also subject to an annual reasonableness review. Third, the California Public Utilities code has rules governing outages. Once either of the units has been out of service for nine consecutive months, which would be November 2012 for Unit 3 and December 2012 for Unit 2, SCE is required to notify the CPUC.

Within 45 days the CPUC is required to initiate a review to determine whether to remove from customer rates all or part of the revenue requirement associated with what is out of service. Any rate adjustment is made after hearings conducted as part of future General Rate Cases.

In addition, CPUC's pending proposal to initiate an order instituting investigation regarding the impact of the extended outage is scheduled for consideration at their Thursday meeting. Jim will cover the financial impacts and recovery of costs incurred in his comments.

My remaining SCE comments will be brief. We still have no indication of the timeline for receiving a General Rate Case proposed decision, but are hopeful this could be concluded in the third quarter. We recognize the significant workload on the Commission and staff at this time, but remain hopeful that we can soon gain the clarity we need to run the utility efficiently.

Turning to Edison Mission Energy, we remain focused on developing clarity on the best approach for financially stabilizing EME. There has been continued progress this year across several self-help initiatives to improve liquidity and operating cash flow. One was to accelerate the closing of uneconomic plants and transferring Homer City to the owner-lessors. Another has been to reduce operating and overhead costs to the extent possible, including another workforce reduction to be completed by the end of 2012. A third is minimizing capital spending on environmental retrofits, while complying with all state and federal emissions laws. However, our greatest focus has been on the need to restructure the $3.7 billion of unsecured debt. This is because despite EME's efforts at

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managing liquidity our internal forecasts anticipate that EME's liquidity will rapidly decline in future quarters, and absent a restructuring of its obligations, EME will not have sufficient liquidity to repay the $500 million in unsecured debt due in June 2013.

For EME to be viable it must have a clear path to adequate liquidity, particularly over the near term when it will have the cash cost of retrofits and the tightest operating cash flows. A successful restructuring will require at least two things. First, it will require a reduction of debt sufficient to obtain credit metrics that will enable EME to access capital markets to refinance the remaining debt well in advance of future maturities, based on a reasonable set of assumptions.

Second, it will require conserving cash wherever possible, especially over the next couple of years during the retrofit period and the severe trough in capacity payments to provide a margin of safety in a continuing uncertain market. Given the fact that EME and Midwest Generation are intertwined, this may result in the need for revisions in Midwest Generation's Powerton and Joliet leveraged lease financing as well. EME and Edison International are engaging on a confidential basis with advisers representing certain of EME's unsecured bondholders to discuss EME's financial condition. Should we be unsuccessful in negotiating a debt restructuring adequate to stabilize EME as part of Edison International, and in accordance with the requirements I just outlined, then EME would need to be reorganized under new ownership.

Our objectives remain the same: Eliminate the overhang of uncertainty about EME; restore EME to a healthy financial condition that would position it for future success; and act with a purpose and a sense of urgency. While the exact path forward to success is not clear at this point, we are engaged with bondholders, and we plan on moving our discussions along as rapidly as we can.

Despite some of the challenges that I have touched on, when I step back the investment thesis in Edison International is very much intact. I'm optimistic that we can resolve some important issues this year. At SCE we continue to have a sustained need for capital investment and system reliability and meeting public policy mandates with the potential for sustained mid- to high-single-digit rate base growth.

Finally, as we move beyond SCE's 2012 capital spending peak and get the rate case and cost of capital decisions, we will seek to return our dividend in steps over the subsequent years to our target payout ratio range of 45% to 55% of SCE's earnings. The earnings power at SCE, along with getting clarity on EME, provide the key value drivers for Edison International shareholders.

I will now turn the call over to Jim Scilacci.

W. James Scilacci

Chief Financial Officer, Treasurer & Executive VP

Thanks, Ted. Good afternoon, everyone. Please turn to page two, which summarizes the quarter's results that Ted just touched on. I will not duplicate Ted's comments, but will add one note that EIX parent company costs were unchanged quarter-over-quarter.

Page three highlights the key drivers of SCE's earnings. As in the first quarter, CPUC revenues were largely based on 2011 authorized revenues. As a result, higher costs are not currently being recovered, including higher depreciation and new debt and preferred stock costs. This impact totaled $0.09 per share. When SCE receives its final General Rate Case decision it will record the authorized revenues retroactively through January 1.

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During the second quarter inspection and repair costs related to the San Onofre outage reduced earnings by $0.05 per share. These costs were offset by timing differences and other cost savings, which amounted to $0.08 per share. As many of you are aware, on June 15 the CPUC set the schedule and the approach for the 2013 cost of capital proceeding for SCE and the other major California utilities.

The Commission has separated the case into two phases, the first addressing the allowed returns and capital structure, which will be decided in December, and a second phase to review the cost of capital trigger mechanism that has been in place since 2007. SCE did not propose any changes to the existing trigger mechanism, except to reset the starting point of the index to the period ending September 2012. We would expect the Moody's PAA Utility Bond Index to continue to be the appropriate index for SCE based on its current credit ratings.

Please turn to page four. I would like to pick up on Ted's discussion on SONGS with some more color on costs and our current investment. Year-to-date SCE's share of the pre-tax cost of SONGS-related inspection and repairs totaled $48 million. It was $20 million during Q1 and $28 million during Q2.

As a reminder, we continue to flow these costs through core earnings. You may recall that last quarter we estimated that SCE's share of the total incremental inspection and repair cost associated with returning both units to service was then projected to be in the range of $55 million to $65 million pre-tax. We now believe that SCE's share of incremental cost to commence startup of just Unit 2 at the reduced power levels that Ted outlined previously is expected to be approximately $25 million pre-tax. Of course, this estimate remains subject to NRC review and any new developments that result from further analysis and testing.

Based on additional knowledge gained regarding Unit 3 over the past three months, we have concluded it is premature to estimate the incremental repair costs associated with returning this unit to service. We are also evaluating the cost of returning both units to full capacity. The market cost for substitute energy and capacity, net of avoided nuclear fuel, for SONGS are being recorded in the fuel and purchased power balancing account, with no impact on earnings.

As of June 30 these costs, which are subject to CPUC reasonableness review, totaled $117 million. Because of the uncertainties associated with when and at what levels the units will or may return to service, total potential substitute power costs cannot be estimated at this time.

The slide on page four also summarizes key financial metrics related to SONGS. SCE requested annual revenue requirement of approximately $650 million in its 2012 General Rate Case to cover direct operation and maintenance costs, depreciation and return on its investment. SONGS' rate base at the end of the second quarter was $1.2 billion.

Please turn to page five. As Ted indicated, at this time our focus remains on the technical analysis to return the units to service safely, although we are assessing all available remedies for cost recovery.

The steam generators are warranted for an initial period of 20 years from acceptance. The manufacturer is contractually obligated to repair or replace defective items and to pay specified damages for certain repairs, with stated liability under the purchase agreement limited to $137 million. These limitations are subject to applicable exceptions. There may also be potential recoveries under insurance issued by Nuclear Electric Insurance Limited, known as NEIL. And we have placed NEIL on notice of potential claims, although insurance recoveries remain uncertain. I would like to come back to the rate case decision timing and the impacts on SCE's capital spending plan.

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Please turn to page six. SCE has not changed its capital spending forecast pending a final rate case decision. However, the GRC delay will likely change the three-year forecast of actual spending which, depending upon the final timing, could bring 2012 capital spending at or below the low end of the forecast range. Actual capital spending will likely catch up with CPUC authorized spending in the later years of the three-year rate case cycle. This timing mismatch will primarily affect distribution and generation CapEx.

Please turn to page seven which covers EMG's results. Keep in mind these results almost entirely reflect the activities of EME. We continue to wind down Edison's capital and its ongoing earnings are immaterial. As we told you last quarter, Homer City is reported in non-core earnings in both periods. Midwest Generation continues to face weak power markets and higher delivered coal costs, resulting in an $0.08 per share higher loss.

The EMMT's trading results were down $0.02 per share. The results also reflect a $0.02 per share decrease related to certain wind projects that are consolidated in EMG's results. This relates largely to the Capistrano Wind Partners transaction completed in February. While the transaction provided an important source of liquidity to EME it effectively lowered EME's ownership interest and therefore its share of earnings. Comparisons were also impacted by lower distributions from the DOAA project, which largely caused $0.03 per share reduction from the natural gas-fired fleet. EMG's EBITDA was $9 million in the quarter and $50 million year-to-date.

Our usual supplemental information on EMG's EBITDA, capital spending and operating hedge summaries, as well as year-to-date financial results, are included in the presentation appendix. Please turn to page 8 and we will review liquidity. As of June 30, EME and its subsidiaries had slightly over $1 billion of cash and short-term investments. Cash and cash equivalents, not subject to contractual dividend restrictions, were $879 million, which includes $177 million of Midwest Gen cash.

With a June 29 expiration of the Midwest Generation credit facility the contractual dividend restriction on movement of cash under this agreement is now eliminated. As a side note, EME's environmental retrofit plan is essentially unchanged from last quarter, although EME continues to look for opportunities to optimize spending while remaining in compliance with applicable state and federal rules.

EME's deferred tax asset remains an important source of future liquidity under an intercompany tax allocation agreement. This tax asset increased modestly to $961 million as of June 30 from $908 million in the first quarter. Future payments under the tax allocation agreement are only available to EME if it remains part of the consolidated Edison International tax filing entity, which requires EIX ownership of at least 80% of EME.

A final point on liquidity is that SCE and EIX replaced their credit facilities during the second quarter. More details are included in our disclosures.

Page nine is a summary of EME's financial status, which Ted has substantially addressed, and is included in EME and EIX disclosures.

Lastly, page 10 of the presentation highlights some of the key operating variables consistent with what we have introduced last quarter. As we have said previously, we will not provide earnings guidance until after we receive a final rate case decision.

With that, I would like to turn it over to the operator to begin the Q&A portion of the call.

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QUESTION AND ANSWER SECTION

Operator: [Operator Instructions] And our first question does comes from Dan Eggers with Credit Suisse. Your line is now open.

Dan L. Eggers
Credit Suisse Securities (USA) LLC (Broker)

Q

Thank you. Good afternoon. Ted, I was wondering if you could just share a little more thought on the EME situation. Clearly, the case is being made for liquidity and survivability of the business, but how do you put this decision in context of you preserving equity value for shareholders demonstrate there is ongoing equity value, but just kind of going into your concern.

Theodore Craver

A

Yes, it's a great question. And I think at this point like most decisions of this sort it's going to be a matter of relative value. Generically there are going to be two choices, either EME will make sense as a continuing part of the EIX family. And I have tried to be clearer over the last few earnings calls about the markers that we have in mind that would really provide us and our equity investor's sufficient clarity around the viability of EME as part of EIX.

If we are unable to really gain that clarity or unable to really see a viable entity that ultimately can return to providing value to EIX, delivering on its underlying mission, then it really won't make sense to be part of Edison International and will need to be owned by others. So at this point it is too early to tell really what is the art of the possible. We are -- as I mentioned, we are beginning the process of engaging with bondholders to determine that. And if we get sufficient clarity, get sufficient certainty, and we can really see a path for EME to be a value-adding part of EIX then that is the way we will go; if not, then it is not going to be part of EIX.

Dan L. Eggers
Credit Suisse Securities (USA) LLC (Broker)

Q

And I know your negotiations are starting now, but is there a timeline you guys have set as to how quickly you want to have this resolved or how long you think would take to get to clarity?

Theodore Craver

A

Yes, we chose the words carefully in my opening comments trying to indicate that the time is now. We need to engage. We need to get these conversations going. We are doing it with a sense of purpose and a sense of urgency, and we want to resolve this. The uncertainty I don't think is doing anybody any good. I don't think it is doing EIX equity holders any good. I don't think it is doing EME any good. We have got important operations. We have safety that we have to have in mind. All of these things I think really say we need to reach a conclusion here with dispatch.

Dan L. Eggers
Credit Suisse Securities (USA) LLC (Broker)

Q

Okay, thank you.

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Theodore Craver

A

You're welcome.

Operator: And our next question does come from Michael Lapides with Goldman Sachs. Your line is now open.

Michael J. Lapides
Goldman Sachs & Co.

Q

A couple of questions, first on Mission. I know you've talked about not having liquidity to meet the $500 million maturity next year, but you have got some decent-sized bond payments coming towards the back-end of this year, I think, late in the fall. I am just curious, are those bond payments kind of the trigger date we should think about, meaning that you kind of want to make a decision before those payment dates show up, or is it something that could go into next year?

Theodore Craver

A

It is Ted. The short answer is yes. I think those interest payments are very important, and even waiting out until November when those interest payments are due is in my mind not moving with dispatch.

Michael J. Lapides
Goldman Sachs & Co.

Q

Okay. And you have talked a number of times over the last 6 to 12 months about wanting EIX to have competitive generation, meaning, not wanting solely to be a regulated utility holding company. I am just curious, if it comes to that, and that merchant generation company is not Edison Mission, how would you get it off the ground? How would you get started?

Theodore Craver

A

Maybe I'll -- sorry, this is Ted again -- maybe I'll just reshape your words a little bit here. I think what we have stated in the past is we believe that it's important to have both a regulated and competitive business platform.

Competitive generation in my mind is a subset of a competitive business platform. So just one clarification on that point. I think in general we'd have to admit that things like the potential for distributed generation or more retail-related services or even other competitive business activities that would be outside of our regulated footprint at Southern California Edison, but those are more futuristic.

We think there is some important opportunities that we want to continue to track and continue to focus some attention on. But it would be better, I think, to make use of some existing skills and an existing platform than to create those from scratch -- from whole cloth. But that's probably an advantage on the margin, and I don't think it is one that really drives our thinking at this point.

Michael J. Lapides
Goldman Sachs & Co.

Q

Got it. Okay. I'll hop back in the queue. Thanks Ted.

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CPUC05543

Theodore Craver

A

Yeah.

Operator: And our next question comes from Jonathan Arnold with Deutsche Bank. Your line is now open.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

Hey. Good afternoon guys.

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

Hi, Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

I had a quick question on -- for the 48 million that you incurred so far at SONGS. Can you give us an idea of how much of that was Unit 2 and how much was Unit 3 versus, I guess, the 25 million future spend that you have earmarked for getting Unit 2 back at reduced power?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

No, I don't have a breakdown here, and we haven't disclosed the breakout between the two separate units, Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

Okay. Is there anything else you can do for us to, sort of, try and frame what the terminology -- I think you used extensive as the possible additional repair work that might be needed on Unit 3 could mean. Is this actually multiples of Unit 2 or just moderately more? Anything you can -- any additional framing you can put on that?

Theodore Craver

A

Jonathan, this is Ted. Just a quick part on that. I think the main thing we're really trying to signal there is we probably can't address entirely the issue of keeping this phenomenon, this fluid elastic instability phenomenon, from reoccurring by simply operating at reduced power in the case of Unit 3.

So what we're really trying to signal is it needs more than reduced power types of operations. So, that's really what we're referring to. We haven't gone far enough down the road at this point with Unit 3 to really come up with anything more definitive than that in terms of exactly what would be required to restore it.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

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CPUC05544

Okay. Can I just try one other thing on this topic, Ted? Is there any -- when you analyze the scenarios around what's the best deal for customers? The costs you're looking at, is there really any question that fixing it is the right option?

Theodore Craver — A

Well, I think at this stage you would expect us to have all the options on the table. At this juncture we're just trying to do this in the most disciplined, systematic kind of step-by-step approach. And these are complex technical issues.

It is a first of a kind type of issue that we are dealing with, meaning, this tube-to-tube wear. So we're just taking it one step at a time without trying to get too far ahead of ourselves.

But, yes, at this point of course all options are on the table. We are focused mostly on getting Unit 2 restored, if we believe we can do it safely. And as we said, it is pretty clear to us initially that would be at reduced power with a relatively short operating window so that we can take it down and go through reinspections. And all of that will help inform us in terms of our future actions as well.

Jonathan Arnold
Deutsche Bank Securities, Inc. — Q

Great, thank you.

A

Welcome.

Operator: And our next question comes from Paul Fremont with Jefferies. Your line is now open.

Paul B. Fremont
Jefferies & Co., Inc. — Q

Thank you. I guess two questions. One, you talk about a targeted payout of 45% to 55%. If Mission were no longer – if Mission were to file for bankruptcy, should we assume that you would be targeting the same level of payout or would that potentially change?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP — A

Paul, it is Jim. We have based the dividend for EIX on the earnings of the utility. That is the way we've always done it, so I don't foresee that any action in and around EME would affect our payout policy.

Paul B. Fremont
Jefferies & Co., Inc. — Q

Okay. And then the second question that I have is if EMG were to file could you give us a sense of how we should think about the 961 million of tax benefit that sits there? Is there any precedent in other filings as to what would happen? Would EIX be forced to repurchase that or how should we think about it?

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W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

This is Jim, again, Paul. I think that is a complicated issue, and it would be certainly embroiled in any kind of negotiation with bondholders or during a bankruptcy process. I don't think we could predict at this point in time what ultimately would occur.

It is clear that as long as EME is part of the consolidated family, and that might be during the period of a bankruptcy, and we would have to monetize tax benefits. But ultimately where it plays out in the end, that's harder to say.

So there would be a point in time when ultimately the clock could stop ticking and you would cut off ultimately the monetization of tax benefits. But that will take a lot to get resolved and it could take a period of time. I couldn't predict at this point in time how long.

Paul B. Fremont
Jefferies & Co., Inc.

Q

And are there any precedents that we could look at in terms of other companies where this has been ruled on?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

Yes, I think the only one that comes to mind from when we previously saw this, and it is going to be dated, so there was some discussion around the BG bankruptcy when their competitive generation business went into bankruptcy. But again, remember that was back in 2001, 2002, so I would be careful looking at that precedent given the passage of time.

Paul B. Fremont
Jefferies & Co., Inc.

Q

Thanks.

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

All right, Paul.

Operator: And our next question comes from Steve Fleishman with Bank of America Merrill Lynch. Your line is now open.

Steve I. Fleishman
Banc of America Securities-Merrill Lynch

Q

Yeah, hi guys. Good afternoon.

A

Hi, Steve.

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Steve I. Fleishman
Banc of America Securities-Merrill Lynch

Q

A couple of just logistical question on the SONGS. Is there a way to break out the rate base between Unit 2 and Unit 3?

A

At this point in time it is not – we haven't provided it. And so, again, in future filings we may have to do that, but at this point in time I think that's something for the future Steve.

Steve I. Fleishman
Banc of America Securities-Merrill Lynch

Q

Okay. And then, also, on the comments you made on the rate base related to the GRC, and that for '12 you will probably be at the low-end or below on your CapEx?

A

The CapEx, yes.

Steve I. Fleishman
Banc of America Securities-Merrill Lynch

Q

Yeah. But then just to clarify, you will expect to make up for most of that in '13, '14, so that imply that the '13, '14 could be toward the upper or above the upper-end, so that it's kind of equal over the three years?

A

Yeah. And so that's exactly what would occur. We've had this pattern before when you get a late GRC that your actual capital expenditures will differ than authorized. And so actual capital expenditures will lag, then they will go above. But remember on the rate making basis we get paid and our revenues are based on authorized. So we are just trying to draw attention to that phenomena.

Steve I. Fleishman
Banc of America Securities-Merrill Lynch

Q

Okay. And I guess one last question on the Edison Mission situation. I think at times there has been talk about the potential that if you do and if it does end up going under different ownership that there could be this worthless stock deduction. Could you just comment on whether that would be likely and at what point in time would that potentially be deducted, so to speak?

A

We haven't put in the public domain what, if any, worthless stock deduction there would be. And it's always taken at the conclusion of a bankruptcy process. And the fact that there is a worthless stock deduction could get dragged into the negotiations in some type of bankruptcy proceeding. So I couldn't even begin to tell you what the breadbasket is.

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And there is a number that changes constantly each quarter based on the earnings or losses, and the monetization of tax benefits can change a worthless stock deduction. So it's constantly .Changing so we've been taking a position not to put it into the domain until we actually get further down the road.

Steve I. Fleishman
Banc of America Securities-Merrill Lynch

Q

Okay. Thank you.

A

Okay.

Operator: And our next question does come from Ali Agha with SunTrust. Your line is now open.

Ali Agha

Q

Thank you, good afternoon.

A

Good afternoon, Ali.

Ali Agha

Q

Ted, coming back to your thoughts on EMG and what you see as the viable entity – stable entity going forward. Assuming it doesn't file for bankruptcy, and you get what you're looking for through this restructuring. How should we be thinking about the underlying earnings or positive earnings power of that entity?

Should we think that coming out of bankruptcy this is a profitable entity from an earnings perspective, or should we think that this is really driven by these capacity payments and forward curves, maybe profitability is a couple of years out? How should we think about that as far part of the equity value proposition if you do stick with EMG?

Theodore Craver

A

It's a great question, unfortunately, I don't have a great answer. Certainly it will depend on what power prices and capacity prices will be. We've got a little more clarity on the capacity price side than we do on the power price side as we go forward, but that's really going to be the determinant.

I would have to say based on current pricing and that type of stuff I don't know that we would expect to see anything close to robust earnings in the subsequent years. But frankly I am kind of throwing darts here at this point. It will depend on what comes out of any negotiation, and it will certainly depend heavily on what the actual prices are once you come out of the restructuring process.

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Ali Agha — Q

And the second question, just coming back to SONGS again, just a bigger picture issue there. The first quarter when you guys laid out what is going on there, the expectation at least was that the cost that you were incurring, you are very confident you would basically recoup those either through warranty payment or regulatory process. I just want to be clear, is that still your view right now? And how should we think about the point you make about the amounts that are in your current GRC, the rate base? And is that a scenario unfolding that the Commission takes out SONGS from rate base and from customer rates, and hence that could be they have negative earnings implications to think about from our end?

Theodore F. Craver
Chairman, President & Chief Executive Officer — A

Again -- well, you are two for two, two great questions. And I am going to be two for two, not two great answers. I don't think we really know at this point. What we tried to do in the discussion here is outline what the proceedings were. What we can anticipate roughly in terms of the timing of those proceedings, and which costs or what costs will be part of those proceedings.

That's about as definitive as we can be at this point in time. Not the least of which we don't yet really know ourselves what the potential fixes or outcomes are for the two units. So I would say at this point there's more that we don't know than we do around what those specific numbers would look like.

Ali Agha — Q

Thank you.

Theodore F. Craver
Chairman, President & Chief Executive Officer — A

You're welcome.

Operator: And our next question comes from Greg Gordon with ISI Group. Your line is now open.

Greg Gordon — Q

Thanks. Two questions. One, just on – Jim, on the comments you made relative to capital expenditures, relative to projected rate base growth. So presuming that you get a General Rate Case decision that validates the CapEx plan and the rate base growth profile that you project in these slides, what you're basically telling us is that you would book your revenue requirement as if you were spending on plan, but the cash flow profile would actually be slightly more middle to back-end loaded on the actual expenditures. So that on a GAAP basis to what I can see slightly higher earned ROE in the front and then it smooths out towards the end. Is that right?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP — A

I think you hit it completely on – nail on head.

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Greg Gordon

Q

Okay, great. Second question, am I correct that this is the first time that you talked with investors explicitly about making a NEIL filing for insurance recovery? And can we talk about the process there and what you think you're covered for?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

It is the first time. We have always had insurance from NEIL. That's something that all nuclear facilities – it's a mutual. And in terms of the process we haven't provided any additional information on what that will be. That will unfold over time and as we actually make the claims. And we will include it in future disclosures around San Onofre.

Greg Gordon

Q

But are you expecting to file for outage insurance as well as for the cost of repair?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

Just let me go back -- the way it works just for further clarification, for -- there is a period of time -- there is a deductible, and the disclosures get into more detail on this, and so you have to read it carefully. There is a period of time when we cannot recover replacement power then it kicks in. And there are certain limitations associated with it. And there are certain limitations on it if there are one or two units out. So read that carefully, and I think it is pretty clear. And there are limits on the total amount of insurance that we could ultimately recover from an outage. And I'm going to go back and pause again and let you re-ask your question, because I wanted to fill in that gap piece.

Greg Gordon

Q

Right. Well, it says here on page five of your deck that you have a 12-week adjustable period.

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

Yes.

Greg Gordon

Q

And then after that you can file for outage from damage. And then you also have accidental property damage. I guess, my question is whether you going to file for accidental property damage, outage or both?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

Yes, is the answer.

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CPUC05550

Greg Gordon

Q

Okay, thank you.

Operator: And our next question comes from Kit Konolige with BGC Financial. Your line is now open.

Kit Konolige

Q

Thank you. Ted, a question back to your discussion of the dividend. I wrote down the notes here that we have some challenges, but we are optimistic. I guess, to the effect of after we resolve the challenges then we will look to grow the dividend again. Can you be more specific about what has to be overcome before the dividend starts to grow at this more robust rate?

Theodore Craver

A

More specific -- well, maybe just to reiterate what I said is we see 2012 as basically being around the peak of the capital spending at SCE. We have talked a little bit in some of the comments that Jim made, as well as the Q&A up to this point that the exact shape of that's a little tricky to completely predict. But I still think the basic point stands that we are probably close to the peak in capital spending in 2012. So while rate base will continue to grow in subsequent years, it's growing at a decreasing rate. And that phenomenon in utility rate making causes kind of a -- I referred to it as a bow wave of cash that builds up. So I think that certainly starts to set up the conditions for being able to look at moving our dividend back into the targeted payout ratio range, which is based on SCE earnings entirely. So we have fallen out the bottom of that range. And so in kind of a step-by-step manner we would expect to try to address that to move it back up towards the targeted payout ratio range.

We have indicated that we have some important regulatory decisions right in front of us here this year, namely a rate case and the cost of the capital decision. And both of those remain outstanding, so we certainly would need to get decisions on those two things to really know what we're looking at in the near-term around the dividend. But I think the direction is the way we've stated it here the last several earnings calls that we see the day where we can start tuning up the dividend payout and move it back towards our payout target ratio.

Kit Konolige

Q

And just to follow on that, are you at a stage now with SONGS where you'd feel that that needs more clarity or some kind of resolution before the next stage of the dividend is addressed or would that just be taken in stride?

A

Well, I think it would be a consideration, but the types of things I'm talking about here are fairly long-term and directional, so it will be like other issues, it will be things that you certainly take into account when you're trying to set a responsible dividend and follow our financial disciplines. But, I think it's – take it in stride, I guess, is more in the neighborhood.

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Kit Konolige

Q

Thank you.

A

Welcome.

Operator: And our next question comes from Hugh Wynne with Sanford Bernstein. Your line is now open.

Hugh Wynne

Q

Hi. Ted, I know that you can't predict how the CPUC is going to respond to the SONGS outage, but I was hoping you might be able to reiterate the schedule, on which the CPUC would make its determination, and perhaps give us a little bit of guidance as to the degree of discretion that they have in making their decision. You had mentioned that after nine months of outage you have to notify them. Can you take us from there as to what the steps are on the regulatory calendar?

Theodore Craver

A

Yeah, I'm actually going to probably turn it over to the folks who are a little closer to all those specifics. But we have tried to identify the three main proceedings that will have some impact on cost recovery around San Onofre. But, Ron, you want to pick that up?

Ronald Litzinger

A

Yeah. Hugh, this is Ron. With regards to the PUC section 455.5, when we've been out of service for nine months, we would have to notify the commission on Unit 3 in November. They have 45 days to respond. That will look at our revenue requirements and focus on the O&M costs. The reasonableness review, if the commission elects to do it on the steam generator replacement project that would be initiated when we complete the project. We currently estimate that we'll complete the disposal later this year of the units, and that would be the trigger for that. And then the ERRA proceeding, that will be April of next year.

Hugh Wynne

Q

Okay. So on the first proceeding, the section 455.5, what is being reviewed there is simply the direct O&M or the recovery of depreciation and return on investment as well on the delayed unit?

Ronald Litzinger

A

The rate base, the depreciation and recovery, it's basically a review of the rate base which would include your O&M and then your depreciation and return.

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CPUC05552

Hugh Wynne

Q

Right, so we're basically looking at possibly half of the 650 million that you estimate here as the annual revenue requirement?

Linda Sullivan

A

Full revenue requirement.

Ronald Litzinger

A

They would review the whole revenue requirement based on the conditions that we have at the time.

Hugh Wynne

Q

Right, okay. Thank you very much.

Operator: And our next question comes from Jay Dobson with Wunderlich Securities. Your line is now open.

Jay Dobson

Q

hey, good afternoon, Ted, maybe just finishing on that last one with Ron. If they do elect to start an OII this Thursday would that Section 455.5 proceeding be sort of set into that or are these just – it would be two separate proceedings?

Theodore Craver

A

I think the short answer is at this point we don't know. I think there's some benefit – this is – I'm stating an opinion here. I think there will be some benefit to have some of these things consolidated instead of having multiple proceedings. But anyway, presumably that's what the Commission will consider later this week. But we really can't predict how all that would flow out at this point.

Ronald Litzinger

A

And just for clarification purposes, if you get into a 455.5 situation it's on a unit by unit basis. So they're looking at the revenue requirement for each unit. So if SONGS 2 were to come back up, SONGS 3 stays down, then you could actually have a separate proceeding for Unit 3.

Jay Dobson

Q

Got you. Okay, now, that's great. And then, Ted, maybe going back to EMG, and I'll apologize in advance for doing this to you. I think I heard you respond in an earlier question that you sort of sounded like November was too late to respond.

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CPUC05553

And I think on earlier conference calls you had – maybe the word committed is too strong, but suggested that an answer might or should be given by September, just using the clock, the 6 to 12 months clock you started a year ago in September. Is September too aggressive to assume that we'd have an answer by then, given the complexities of the situation and where we stand now on July 31st?

Theodore Craver

A

Again, I really don't know. Now we're kind of getting into fine cutting on the days, but from my perspective you can make these things drag on forever and ever and complicate the heck out of them. I think it's actually going to end up being reasonably straightforward about what will be sufficient to have a viable entity on a go forward basis.

And if we can't reach that then we go to other options. So from my standpoint sooner is better. I think the data is being made available. We ought to be able to sit down and work through this thing and figure out if we've got a good mutual approach that works for all parties.

Jay Dobson

Q

Got you. So something like November is probably the right sort of timeframe to think about, understanding it's rough and sort of mirroring your response to an earlier question.

Theodore Craver

A

Well, since I'll probably only get in trouble by trying to predict dates, I'll just let you – I'll let you work with your dates. But we're focused on it right now.

Jay Dobson

Q

Great. Thanks for the clarity.

A

Thank you, Dobson.

Operator: And our next question comes from Angie Storozynski with Macquarie. Your line is now open.

Angie Storozynski

Q

Thank you. Two questions. First, when I look at your parent cost how much of the parent cost is being now covered by EMG? So in other words, if EMG were to cease to exist, how much of incremental expense and should I account for when I look at the parent and utility earnings?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

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That is an excellent question. We haven't put anything out in the public domain. There would certainly be some amount of cost that we allocate to that side that would not be potentially recoverable if it went down the road that way. But that would be -- we will incorporate it in some kind of future disclosures, but we don't have anything now.

Angie Storozynski

Q

But can you give us any sense? Is this $0.50 or is this a diminimis amount?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

I think it is a relatively small amount. Because we said already that the holding company cost is about $0.01 a month is what we -- generally we have indicated it is about $0.12 a year. So it is not a large amount of money when it is all said and done.

Angie Storozynski

Q

Okay. And the second question is about the NEIL recovery. It seems like there are so many companies seeking recovery from NEIL, should we worry that NEIL is going to run out of capacity to actually provide insurance coverage?

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

I don't know if I can answer that. NEIL has been around for quite a long period of time. It is a mutual. There are quite a bit of reserves associated with it. There is mechanisms for them to go out and get additional funds should you exceed certain calls on their capital. So I think that is a question you can direct to NEIL, but I don't think there is a concern at this point in time.

Angie Storozynski

Q

Okay, thank you.

W. James Scilacci
Chief Financial Officer, Treasurer & Executive VP

A

Okay, Angie.

Operator: And we have reached the end of our questions-and-answers session. I will now turn the call back to Mr. Cunningham.

Scott S. Cunningham
Vice President-Investor Relations

Thanks very much everyone for participating, and don't hesitate to call us at Investor Relations if you have any follow-ups. Thank you.

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Operator: And that does conclude today's conference. Thank you very much for your participation. You may disconnect at this time.

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07-Aug-2012

PG&E Corp. *(PCG)*

Q2 2012 Earnings Call

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MANAGEMENT DISCUSSION SECTION

Operator: Good morning, and welcome to the PG&E Corporation Second Quarter Earnings 2012 Conference Call. All lines will be muted during the presentation portion of the call with an opportunity for questions and answers at the end.

At this time, I would like to introduce your host, Gabe Togneri with PG&E. Thank you and enjoy your conference. You may proceed, Mr. Togneri.

Gabriel B. Togneri
Vice President-Investor Relations

Thank you, [ph] Jackie. Hello everyone and thanks for joining our call. Before you hear from Tony Earley, Chris John, and Kent Harvey, I'll remind you that our discussion is going to include forward-looking statements based on assumptions and expectations reflecting information currently available to management. Some of the important factors that could affect the company's results are described in Exhibit 1 located in the appendix of today's slides. We also encourage you to review the discussion of risks factors that appears in our 2011 Annual Report and in the Form 10-Q that will be filed with the SEC later today.

And with that, I'll hand it over to Tony.

Anthony F. Earley
Chairman, President & Chief Executive Officer

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Good morning everyone, and thank you for joining us. I'm going to provide some opening remarks, and then I'll turn it over to Chris and Kent to cover operations and financials in more detail. On slide two, you see the three key objectives that we have been talking about this year. I'll speak to the first resolving gas issues. We have been in settlement discussions regarding the regulatory proceedings. These are multiple proceedings, they are multiple parties, and they are complex issues.

And beyond that, given where we are in the discussions, I just don't think it's helpful to go into any more detail about where we are. But I will say that if and when we have news to share, we will in fact share that at the appropriate time. We continue to believe that resolving the regulatory issues sooner rather than later would be beneficial for PG&E, our regulators and our customers. So we will continue to push forward on that.

I do want to comment on third party liability on civil cases. We're making lots of progress in resolving new claims. We've settled several more of the most serious cases. And our intent continues to be that we provide victims with fair compensation and doing that as soon as possible.

Meanwhile, we continue to make good progress on our work in the field. As we've done this and as we've added new experienced leaders, we've identified some new work that we need to accomplish, and given all that we're currently doing, it's probably going to take several years to finish this new work as well. And Chris, is going to describe that in more detail shortly.

As I've indicated in the past, there's no quick fix, but we're going to do whatever it takes to meet the commitments we've made related to the system safety. With respect to our second objective for the year positioning the company for long-term success, last month we filed our 2014 general rate case notice of intent and it reflects the important work we should be doing over the next several years. So we'll spend some time discussing that in this call as well.

We've also introduced a new planning process. It's one that I've used in the past more effectively manage the business. This process focuses first on developing a long-term strategy in identifying the critical objectives that we want to accomplish. Once the team has clear alignment on this, we develop tactical plans and budgets, as it then can be implemented on a company wide basis. And I think this is a process that will keep us focused on our key objectives and ultimately help us deliver results for many years to come.

Finally, shifting to our third objective, rebuilding relationships. We've seen a slight uptick in customer satisfaction, but I think it's a little too soon to predict that is a consistent trend. In the last month, we launched a major new customer outreach campaign. This effort combines advertising, social media, online information, community outreach and a variety of other elements. It will feature our own employees and provide concrete examples of the work we're doing to improve safety and reliability. And, we anticipate that this is going to be a multiyear educational effort as we continue to work on our system.

Our research had told us that our customers really like the work that our employees are doing and they respect them, but they do want to know what specifically that the company is doing to make our system safer. This multichannel communications campaign will underscore the message that this is a new PG&E that's serious about making improvements. And ultimately we believe that this educational campaign is an investment in our relationship with our customers and our communities and part of the recovery plan that's essential to our long term success.

We are focused on these key objectives, resolving our gas issues in the near term, positioning the company for success and rebuilding relationships. And, I believe we are making good progress. It's going to take some time, but the long term prospects for the company are positive.

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So, with that let me turn it over to Chris to discuss our operations in more detail.

Christopher P. Johns

President & Director, Pacific Gas & Electric Co.

All right, thanks Tony, and good morning everyone. I'm going to provide the regulatory and then the operational updates that are summarized on slide three. I'll start with our general rate case notice of intent filing, which covers the gas and electric distribution, and electric generation parts of business. You recall that the gas transmission and electric transmission are handled in other proceedings.

The key themes in the general rate case filing are investing in our infrastructure and leveraging technology in order to improve operation and achieve significant gains in safety and reliability performance. The 2014 proposed revenue increase of $1.25 billion represents the funding necessary to cover operating expenses and provide for the annual cost associated with roughly $4 billion of infrastructure improvements. The capital expenditures in the general rate case should represent two-thirds of the total CapEx in 2014. The biggest percentage increase in the GRC filing is in the gas distribution area where we would be replacing a substantially greater number of order gas distribution lines than in the past, improving the technology we use to detect gas leaks and significantly upgrading asset management capabilities.

For electric distribution we'll be replacing more overhead electric lines based on their operating performance and installing more automation to limit the impact in duration of outage. The next step in the process is a full review of the filing by the division of rate payer advocates followed ultimately by the filing of our formal application before the year.

Turning to the operation side as you can see on the slide in the appendix we are on track for many of our high level operational performance metrics. We've also made substantial progress this quarter on several of our key initiatives. We validated and documented the Maximum Allowable Operating Pressure or the MAOP of over 1,300 miles of our gas transmission pipe in the second quarter and that brings our year-to-date total to almost 2,000 miles out of the 3,400 miles planned for this year. We've completed 41 miles of hydrostatic tests during this quarter and remain on track to test 160 miles during the year. And we've installed 24 new automated safety valves on our gas transmission system and plan to have 46 by year-end. We've also been doing some follow-up field work on path location and related issues and this is where we've identified the additional work that Tony referred to earlier.

Specifically, we've found vegetation in structures that are encroaching on our [indiscernible] over our transmission pipeline. As a result, we'll be conducting a comprehensive survey of the entire gas transmission system to identify all of the encroachment, asses the cost and scope of the work and begin taking action.

We've also identified additional integrity management work that's necessary. And this includes completing more internal pipeline assessments and other types of inspection to confirm the quality of our pipeline. And most of this work will ramp-up next year, and we expect that addressing these issues may take several years to complete.

Next, you'll recall that we identified roughly $200 million in incremental work that we decided to undertake across the utility this year and next. To date, we've made solid progress in clearing out that work. In the electric operations, we've increased maintenance and repair work on both our overhead lines and underground cables and structures. We've also increased our patrolling of poles by tens of thousands of units and have taken appropriate corrective maintenance actions to reduce fire risk and improve safety.

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On the gas side, we've completed more repairs to lower grade distribution leaks, as we've shortened our recheck intervals and to perform more maintenance work on our gas distribution lines. In putting together our 2014 general rate case filing, we've identified some additional work, mainly in the gas distribution area that we expect to undertake going forward. It includes a higher volume of gas meter and service work, as well as some mark and locate work. Consistent with our commitment to safety and compliance, we're not going to be able to wait until 2014 to begin some of this work. This will result in an increase in the annual incremental spend from about $200 million to about $250 million. However, there are some other areas like the late storm season we experienced earlier this year that createearlier this year that created headwind for us to maintain our 2012 guidance for earnings from operations. Finally, I know a number of you have an interest in our progress on the Diablo Canyon seismic study. There are a couple of authorizations that are pending to allow us to conduct the offshore seismic mapping. We're hopeful that we'll receive these authorizations in the next few months to allow us to complete the work by the end of this year.

And with that, I'll turn it over to Kent.

Kent M. Harvey

Chief Financial Officer & Senior Vice President

Thanks, Chris, and good morning. As usual I may go through the results for the second quarter and discus our outlook for the rest of 2012. I also plan to provide some observations about post 2012.

I'm going to start on slide four, which summarizes our results for the quarter. Earnings from operations were $0.81 per diluted common share while GAAP results were $0.55 per share. The difference between the two is the item impact and comparability for natural gas matters which totaled $0.26 for the quarter. The components of that are broken out in the table at the bottom in pre-tax dollars. The pipeline related costs totaled a $128 million during the quarter and include the pipeline validation and sprint testing work in the field, as well as our legal costs. In general the field work has been on plan, although we continue to experience higher than planned vehicle cost.

We also took an $80 million accrual during the quarter for third-party liability and this reflects the results of the recent settlements on our reach, which Tony discussed as well as the latest information that we have about the remaining claims. It brings our total accrual for third-party liability claims since the accident to $455 million. The upper end of our estimate for third-party liability remains at $600 million. Finally we booked insurance recoveries of $25 million for the quarter bringing us to $135 million of insurance recovery books since the accident.

We continue to believe that a significant portion of the cost incurred for third party claims will be recovered through insurance, but we wait until, we've resolved claims with each carrier [indiscernible] booking through future recoveries.

Moving to slide five, you can see the quarter-over-quarter comparison for earnings from operations including the primary factors that take us from $1.02 in Q2 last year to $0.81 in Q2 this year. First half results for the period last year reflected two quarters of incremental revenues due to approval of the 2011 general rate case and gas transmission and storage case, which were both retroacted to January 1st.

So, there is a $0.13 adjustment in normalized the timing of those decisions last year. There was also $0.09 reduction due to our planned incremental spending this year to improve our operational performance across the utility. And then finally, share dilution accounted for $0.06 reduction and this reflects the share issuance during the quarter, as well as the full affect of our equity offering completed late in Q1.

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Those items were partially offset by a $0.05 increase due to higher authorized rate based investments this year compared to last year. And then, we had another $0.02 positive due to other smaller items.

Slide six summarizes our 2012 guidance, the guidance range for earnings from operations remains at 310 to 330 per share. The range for the item impact and comparability for natural gas matters has been updated to reflect the accrual this quarter, a third party liability and our insurance recovery.

In the table at the bottom you can see the ranges for each component of the natural gas matters in pre-tax dollars. The range for pipeline related cost is unchanged at 450 to 550 for the year. However, we continue to trend towards the upper end of that range primarily due legal costs. So we're continuing to watch this one. The range of the third party liability claim is now 80 to 225 million the lower and reflect accrual taking in the quarter and the upper-end is unchanged.

For insurance recoveries, you see the $36 million we booked during the first and second quarters. As in the past, we were not providing guidance for future insurance recoveries or for additional penalties beyond what we've already accrued.

In terms of the equity issuance, we continue to expect roughly $700 million this year based on our guidance assumption. To the end of the second quarter, our total issuance was $572 million, so we're well along with our plan. Obviously, our actual issuance during the year will depend on a variety of things most significantly, of course, developments related to the GAAP matters.

At this point, I thought I'd also provide some observations to help you think about our profile beyond 2012. Clearly, 2013 looks to be a down year for earnings from operations, primarily due to year-over-year dilution and some reduction in our authorized ROE. And of course, 2014 is going to be a key year for us since that's the start of our next general rate case period.

As I go through this, I expect that you'll have some questions for which you want quantitative answers. However, much of what I'm going to say will be more directional, a more qualitative than quantitative. We fairly want to be transparent with you all, but we won't be in a position to provide guidance for future years until at least we have more visibility around the outcome of our debt issues. In the meantime, there is somewhat qualitative approach into the best option.

I'm going to start on slide seven and there you can see that we've listed some factors for you to consider in thinking about our future year of earnings from operations. In terms of capital expenditures, this year we expect to be approaching $4.8 billion.

In 2013, we should be at or above that level, since we have important investments planned throughout our business. As on a side, if bonus depreciation is not extended next year that would cause us to be somewhat above our authorized rate base in 2013 and we'd intend to through that up in the 2014 general rate case.

Our capital expenditures in 2014, we proposed a higher level in the next general rate case. In terms of our authorized rate base, which we earn on, we expect it could increase from around $24.5 billion this year to about $26 billion in 2013. Based on our last general rate case and other proceedings including the pipeline safety enhancement plan request, which obviously hasn't been decided yet.

Our authorized rate base for 2014, will be reset in the upcoming general rate case as well as other proceedings. Because we intend to true up historic rate base in the general rate case, we'd expect a more significant increase in

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authorized rate base in 2014. Maybe in the 10% range or so, based on our general rate case and our pipeline safety enhancement plan request. But, we'd expect rate based growth after that to return to more normal levels during the attrition years.

Our authorized ROE and equity ratio for 2013 will obviously be set in the cost of capital proceedings, which is now underway. We've proposed a reduction in ROE from 11.35% to 11% next year and we propose maintaining our common equity ratio at 52%.

In addition to deciding those levels, the PUC is also going to consider a mechanism for adjusting ROE in 2014 and beyond, but we don't expect them to address that until the early part of next year.

Next is the incremental spend. As Chris discussed, we expected to total about $250 million across the utility this year and to continue next year. As you know, these costs are not currently reflected in our way. However, we will be seeking cost recovery in our general rate case starting in 2014.

Next is earnings on CWIP, our construction work in progress. You remember that we accrued AFUDC on CWIP. And our 2012 guidance assumes that about half of that is offset by below the line cost that are not recovered from customers and those are things like charitable contributions, advertising, public affairs work and so forth.

Of course that reflects the minimal advertising we have done in the last few years. And, given the recovery plan that Tony talked about including the customer outreach campaign, we expect that we'll have higher below the line cost, which will largely offset our CWIP earnings in the future. So, we want to keep that in mind.

Finally, we've seen significant equity issuance this year, much of which has been driven by unrecovered gas pipeline cost. You'll see our equity need estimate of roughly $700 million for 2012.

Our equity issuance beyond this year is expected to continue to be significantly higher than would be satisfied by our internal programs, our 401-K and dividend reinvestment plan. Some of the key drivers for this are capital expenditure levels, year-over-year differences in our cash flows that potential expiration of bonus depreciation, which I mentioned, our planned incremental spend across the utility and then the level of future gas pipeline cost.So let's go to slide eight now. And here, we've shown some factors to consider in estimating future uncovered pipeline related costs. Let's start with 2012. At the top, you can see our current guidance for uncovered pipeline related costs of $450 million to $550 million. That includes the four components you see listed. The Pipeline Safety Enhancement Plan expenses, which we've been seeking recovery of, for which a final decision isn't expected until late in the year. The pipeline costs that we're not seeking recovery of, such as work on post-1960 type and then other work that's been identified since the PSEP filing last summer and then legal and other costs.

In 2013 and 2014, the PSEP expenses we are seeking recovery of are shown as to be determined, pending a decision by the PUC. And of course, you can go back to our PSEP filing from last summer to see our original request over this timeframe. The PSEP costs we're not requesting recovery of will continue in 2013 and 2014, but the level of expenditure is expected to decline after this year. That's why we show it as lower.

Other work refers to the pipeline rights of way and integrity management work that Chris will discuss which we're in the process of scoping out. We do expect it to ramp-up next year and it takes several years to complete. So we show it has higher next year.

Finally, we expect our legal costs to decline significantly after this year. So we show it as lower in both years. Obviously, that profile will depend on how quickly the various proceedings have included.

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Down below you see the other components of our item impacting comparability for our natural gas matters, penalties, third party liability and insurance recoveries along with some commentary there. In particular, I think we've made good progress in resolving a number of significant third party claims, and we hope to be able to resolve many of the remaining claims in a timely manner. I'd expect the timing of insurance recovery to generally follow from that, but it's hard to predict exactly when that will occur. So, that's an overview of some of the major factors likely to affect our earnings from operations and our unrecovered natural gas costs going forward. I know it's a lot to digest, but I do hope my comments are helpful to you in keeping track of the various pieces that will likely influence our results over the next few years. Tony?

Anthony F. Earley
Chairman, President & Chief Executive Officer

Thanks, Ken. We have a number of challenges and uncertainties that we're working our way through. And, I know it can be frustrating that we can't be more specific about timetables or predictions for all of the different regulatory proceedings, but that is the nature of the regulatory process. But, I do believe we're making good progress.

We're focused on resolving our outstanding issues and running the business well, so we can be successful in the long run. We continue to get positive feedback from many of our constituents regarding the direction that we've been moving in. As a result, I believe the company has a promising future and an attractive value proposition over the long run.

So, with that let me open it up for your questions.

QUESTION AND ANSWER SECTION

Operator: [Operator Instructions] . Our first question comes from the line of Mr. Michael Goldenberg with Luminus Management. Please proceed.

Michael Goldenberg
Luminus Management LLC

Q

Good morning.

A

Good morning.

Michael Goldenberg
Luminus Management LLC

Q

I wanted to get a better understanding on the equity issuance that you mentioned significantly higher versus 401(k) and DRIP. Can you provide some color as to how much of that is related to the substantially higher capital expenditures in the following rate case that you preliminarily fought for versus expenses and other things that are running above previous expectations that now will have to be plus the equity?

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Kent M. Harvey
Chief Financial Officer & Senior Vice President
A

Michael, this Kent. We are not at the point of providing any guidance for the future years, but I think you should be able to get a general sense of our CapEx levels and to determine from that sort of how much of that is driving year-over-year equity needs as compared to where you end up with looking at unrecovered costs and those obviously hit our equities, so they drive our equity needs in order to maintain the balanced capital structure.

Michael Goldenberg
Luminus Management LLC
Q

Got it, okay. Thank you.

Operator: Thank you, Mr. Goldenberg. Our next question comes from the line of Mr. Greg Gordon with ISI Group. Please proceed.

Greg Gordon
International Strategy & Investment Group, Inc.
Q

Thanks, first a quick follow up on that question, in the normal course of business Kent, what is the amount of the equity that you issued through those programs?

Kent M. Harvey
Chief Financial Officer & Senior Vice President
A

For the 401(k) and given reinvestment plan, we typically have issued between $200 million and $300 million up for year.

Greg Gordon
International Strategy & Investment Group, Inc.
Q

Okay. So you're telling us that given the level of capital expenditures and everything else that in the future to maintain your cap structure, you would expect to issue more than that?

Kent M. Harvey
Chief Financial Officer & Senior Vice President
A

Yes, significantly more, that's right.

Greg Gordon
International Strategy & Investment Group, Inc.
Q

Okay. Thanks. And then, is there anything that you all can tell us about the possibility, anything more you can talk about the possibility of resolving some are all of the outstanding pipeline matters via settlement at some point this year or should we presume that it's just too complicated and we're going to have to see a litigated outcome?

Thomas Bottorff
A

Greg, this is Tony. It's still my objective to try and wrap up all of those issues through a settlement by the end of the year, but as I said this is one of the more complex proceedings I have been involved in. We got three investigations, one rulemaking and we've got multiple parties. We've got the Attorney General, the U.S. Attorney and several other prosecutors involved. So, it Ii oved e investigations e?t this year or should we presume line

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matter just takes time to work through the issues as each has their own agenda. They want to make sure it gets covered in the agreement, but I think where we are here in August, I still think that we can accomplish my stated objective of trying to get it wrapped up by yearend.

Greg Gordon
International Strategy & Investment Group, Inc.

Thank you, Tony.

Operator: Thank you Mr. Gordon. Our next question comes from the line of Hugh Wynne with Sanford C. Bernstein. Please proceed.

Hugh N. Wynne
Sanford C. Bernstein & Co., Inc.

Hi, I wonder if you might just help me sort through some of the strands of your disclosure here regarding factors effecting EPS. Just two quick questions on that the incremental spend that you mentioned on page three or rather I should say increased scope in incremental work that you mention on page three – is the implication of that solely the increase in incremental spend that you show on page seven from an anticipated 200 to an anticipated 250 continuing on that into 2013 or is there something else and we need to be look out for by way of the incremental CapEx or incremental cost that are somehow not reflected here.

Kent M. Harvey
Chief Financial Officer & Senior Vice President

Hugh, this is Kent. The mention that is on slide 3 which talks about right away issues identified, that actually ties to page – to slide 8 and that's the incremental, that's new spend in the pipeline area having to do with rights away and integrity management. Also on slide 3 and this maybe what you're referring to the increased scope of incremental work. That relates to slide 7 and the item that is mentioned as incremental spend and that is the work we're doing across the utility that's not specific to pipeline which we previously estimated at $200 million this year and next year and we're saying that's going to be $250 million.

Hugh N. Wynne
Sanford C. Bernstein & Co., Inc.

Good, okay. I think that's clear. And then on page 7, you mentioned that you've requested PSAP to be included rate base over 212 to 214 and you give the annual amounts, is that included in this authorized rates based number that you show up in 2012 and 2013?

Kent M. Harvey
Chief Financial Officer & Senior Vice President

It is yes. So you will – so you want to keep that in mind and that's why we provided you the details down below in the footnote.

Hugh N. Wynne
Sanford C. Bernstein & Co., Inc.

Okay, so that point that you're making is that you have spent this money, but your asset don't have the rate based revenues at this point.

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Kent M. Harvey
Chief Financial Officer & Senior Vice President

A

Correct.

Hugh N. Wynne
Sanford C. Bernstein & Co., Inc.

Q

Okay and then just final quickly. You mentioned or Tony mentioned that the Attorney General of State of California and U.S. Attorney were involved in the settlement discussions, are the Feds and the California authorities then continuing to proceed with the criminal investigation of the case, what we should read into that?

Kent M. Harvey
Chief Financial Officer & Senior Vice President

A

They've<A>: They have been involved – they have interviewed employees, obviously, it's not as high on their priority list, because there are hours to get this done, they've got lots of other things, so they have gone and [indiscernible] involved and have reached that to try and get everybody involved in an overall settlement.

Q

All right. Thanks very much.

Operator: Thank you, Mr. Wynne. Our next question comes from the line of Michael Lapides with Goldman Sachs. Please proceed.

Michael J. Lapides
Goldman Sachs & Co.

Q

Yeah, hi, maybe a few questions for Kent. Just curious, at the end of the quarter, how were -- some of your key balancing – how were some of your key balancing metrics, meaning like, how much short-term debt did you have outstanding? What was debt to cap? And then, when we think about kind of cash requirements going forward, how much of what's been accrued for third party liabilities have actually been paid and what are your expectations for things like, either simply related payments in the next – or CapEx related items in the next few years et cetera?

Kent M. Harvey
Chief Financial Officer & Senior Vice President

A

Michael, in terms of – sort of major changes in cash and our balance sheet, I don't think there's anything very significant there. I think our amount of commercial paper outstanding is down by a few hundred million dollars since the end of last quarter, that's kind of normal course of weakness for us. In terms of the cash requirements associated with – with things like third party liabilities and stuff, we've accrued $455 million to date. I think the actual payments that we made through the end of the second quarter were $145 million. And then again on the insurance side, we booked $135 million of insurance. So we tend to pay those settlements as the settlements are concluded and some of those are fairly recent.

Michael J. Lapides
Goldman Sachs & Co.

Q

Got it. And Tony, just I'm seeing a lot of the items in page seven and in page eight. And, just want to kind of get a feel, I think going back to the third quarter call, you may've made some comments about the goal is to get closer to

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earning your authorized ROE by 2014. Do you still view that as the goal and are there any items that have been outlined here, which clearly won't be recoverable in rates by 2014?

A

Well, that is still our goal, I think the big driver the 2014, is going to be how the GRC the General Rate Case come down. That's a large number $1.25 billion, and we think that we are able to justify that level of spending, but the results of that are going to dictate a large part our ability to achieve ROI returns then.

Kent M. Harvey
Chief Financial Officer & Senior Vice President

A

And, this is Kent. The only other thing I would add obviously the general rate case covers electric and gas distribution and electric generation. In terms of gas transmission that rate case is not until 2015. So, our opportunity through our cost there that are outside of the piece of proceeding is really a year later in 2015.

Michael J. Lapides
Goldman Sachs & Co.

Q

So, does that imply there is a little bit of drag or a little bit of regulatory lag on the gas pipeline side?

A

I think that would be a reasonable expectation.

Michael J. Lapides
Goldman Sachs & Co.

Q

Okay. Thank you, Kent.

Operator: Thank you, Mr. Lapides. Our next question comes from the line of Jonathan Arnold with Deutsche Bank. Please proceed.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

Good morning, guys.

A

Good morning.

A

Good, Jonathan.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

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Quick question on the $250 million number that you're now giving for incremental spend that's to continue into 2013. Did I hear you correctly that you think you can offset that partly because you've had the low trend storm costs in 2012, but that we shouldn't necessarily assume that offset will continue into 2013 or do you have some other offset to the kind of incremental $50 million since last quarter.

Christopher P. Johns
President & Director, Pacific Gas & Electric Co.
A

Hey Jonathan, this is Chris. And you are right, when we look at this year we've had the lighter storm seize and we've also had some tax benefits and some other savings that we focused on and that's been able to offset that. And we anticipated that level of spend will continue into next year. Obviously, we are always looking for ways to continually improve on their but we wanted to make sure that you are all very alerted to that higher level.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Q

So the higher level continues with the offset unless something else materializes, it doesn't necessarily.

Christopher P. Johns
President & Director, Pacific Gas & Electric Co.
A

Yeah, that's true.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Q

Okay. And then secondly on – in the first quarter you had $7 million – $0.07 of share of miscellaneous items that were positive that you said you thought would reverse over the course of 2012 and obviously that didn't show up as a driver in the second quarter? Is it, do you still anticipate that through the balance of the year and any comment on that?

Kent M. Harvey
Chief Financial Officer & Senior Vice President
A

Yeah, Jonathan this is Kent. We do still have the same view on that and now with a lot of number of small items that many of which were timing in nature. So we do anticipate that trending down during the rest of the year.

Jonathan Arnold
Deutsche Bank Securities, Inc.
Q

Okay. And then finally Kent if I may just on your comments around equity, are those sort of premised on the 52% that you requested in the cost of capital case and I would presume, firstly is that correct and secondly does that comment change significantly depending on where that shakes out?

Kent M. Harvey
Chief Financial Officer & Senior Vice President
A

Yeah, I know I think that's reasonable. I think that would be a driver if we ended up with a different authorized equity ratio. There really are indications that is going to be the case at this point. We filed obviously for 52. We think it makes a lot of sense from credit perspective and otherwise. And, we noticed last night when the interveners filed their testimony I think everyone did 52% common equity as well. So, we are at least in alignment on that dimension of the case. Certainly, we are not at alignment in terms of the recommended ROEs that they proposed. And, but that's no surprise.

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Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

Okay. So just one final thing the – there was a date in the schedule in the [ph] OIR proposed decision, I think yesterday as well. Is it a reasonable working assumption that given you said you're still in settlement talks that there will not be PD in the meantime or any kind of help you can give us on what to expect?

Thomas Bottorff

A

Yeah, this is Tom Bottorff from Regulatory Relations. We haven't heard anything different from the TUC on the schedule from when that proposed decision would come out. And, we have no indication that it's scheduled to come out on that date either.

Jonathan Arnold
Deutsche Bank Securities, Inc.

Q

Okay. Thank you.

Operator: Thank you, Mr. Arnold. Our next question comes from the line of Tom O'Neil [ph] with Green Arrow [ph] . Please proceed.

Q

Good morning. I'm just curious if you could revisit the longer term dividend policy and just whether we should recalibrate that if CapEx levels are approved as proposed?

A

Well, I think just to reiterate we're committed to the dividend if you believe that important part of the value proposition for our company like ours, but in terms of policy, we can't revisit what we're going to do until we get some major things behind us likely the gas proceedings, we've got cost of capital, we've got to take a look at some indication where the general rate case is going to be going before we would be able to say anymore about policy going forward. So, what we've been saying is we're committed to the dividend, but are going to have to resolve a couple of major issues before we start to give you some guidance on what you might expect.

Q

Okay, understood. Thanks.

Operator: Thank you Mr. [ph] O'Neil. Our next question comes from the line of Steve Fleishman with Bank of America. Please proceed.

Steven Fleishman
Banc of America Securities-Merrill Lynch Research

Q

Yeah, can you hear me?

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Thomas Bottorff

A

Yeah Steve, yeah

Steven Fleishman
Banc of America Securities-Merrill Lynch Research

Q

Yeah Tony. Just one clarification on the settlement discussions, when you say you're targeting to have resolution by the end of the year, are you targeting a settlement by then or approval by the PUC have a settlement by then?

Thomas Bottorff

A

I think you are cutting too fine a line there, but it could be several three, four, five months. It could or it could go very quickly. It probably depends on how many parties you can get to sign on. Is it a heavily contested settlement or is that the one way you have got a number of parties. So I have said, I want to try and get them wrapped up by yearend either one of those would be real progress, if we just got an agreement even if it wasn't yet approved by the commission.

Steven Fleishman
Banc of America Securities-Merrill Lynch Research

Q

At one point you had mentioned the two year anniversary of [indiscernible] as a potential kind of goal post on this is that should we not really focus on that as a potential goal post stays on this?

Thomas Bottorff

A

It certainly continues to be a driver of trying to move things along. Here, we are about a month away. It may not be – well certainly you are not going to get total resolution by then but it continues to be in everyone's mind that we would like to make a lot of progress by then.

Steven Fleishman
Banc of America Securities-Merrill Lynch Research

Q

Thank you.

Operator: Thank you Mr. Fleishman. Our next question comes from the line of Travis Miller with Morningstar Research. Please proceed.

Travis Miller
Morningstar Research

Q

All right, thanks. With the backwith the docket right now – all the dockets right now on the CPUC, what's your sense for where you stand for each of these proceedings in mind in the queue and how would you rank each one of the – the four outstanding in the regulatory calendar that you guys give there?

Thomas Bottorff

A

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This is Tom Bottorff again. The rule making is the further along and it has again post decisions scheduled for release this month. That hasn't happened yet. We're not sure when it will happen. But it calls for a final decision this early September, but again I don't see add on attract for this likely to happen, but that's what the current schedule calls for. The three investigations are all on similar timelines right now. PG&E filed its responses. We expect we bite all testimony from the staff in August and hearings will probably take place either in late August or early September. So the procedural timeline for the three investigations have probably proposed decisions by the end of this year or early January and final decisions in the first quarter of 2013.

Travis Miller
Morningstar Research

Q

And as a reason do you expect that those will be on time?

Thomas Bottorff

A

As of now, they've been on schedule. Yes, if they absent settlement I'd expect those schedules to proceed on that time line.

Travis Miller
Morningstar Research

Q

Okay, great. Thanks a lot.

Operator: Thank you, Mr. Miller. Our next question comes from the line of Anthony [indiscernible] with Jefferies. Please proceed.

Q

Good morning. You may have addressed this already, but I was wondering if the company could comment if they have been successful in maybe getting all of the OII's wrapped into like one settlement discussion. Maybe on the previous earnings call, you mentioned that was your goal and that was your hope. Could you give any status on that?

A

As I said before, these are complex issues we're trying to get a global settlement, but I really don't want to get into the details of the discussions.

Q

Great. Thank you.

Operator: Thank you, Mr. [indiscernible] . Our next question comes from the line of Ashar Khan with Visium Asset Management. Please proceed.

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CPUC05572

Ashar Khan

Q

Hi, how are you doing? I just wanted to as you were trying to point out directionally the earnings, is it fair you're saying if what I've heard 2013 is down versus 2012 of course because of the ROE issue. And, even the rate increase and everything is not going to offset the rate base increase not going to offset of course lower ROE what's your predicting, but then you're expecting 2014 to be higher than 2013. And, can you point out whether you expect 2014 to be equal to 2012 higher or lower can you give any kind of indication from that perspective?

A

Are you referring to overall like earnings from operations?

Ashar Khan

Q

That's correct.

A

Well, I think the key drivers in 2013 that I mentioned were the fact that there will be some reduction in the ROE that's authorized. And then in addition to that we do have the cumulative impact of dilution some year-over-year dilution because of the equity issuance that's happening throughout this year for example and will be outstanding for all of next year. That probably wanted the bigger factors in 2014 is that it's the general rate case, which will affect our authorized rate base and it will affect our ability to earn an authorized return given that we're doing incremental spend this year and next year in the $250 million range. So, we are looking to the general rate case as a way for us to address a lot of the activities that we're doing over the next few years and to make sure that our revenues are aligned with what we think we ought to be doing on our system.

Q

Okay, understood. But is there any guidance that you can give in terms of I know I guess we don't know what will come out in the rate case, but are you pointing that 2014 any directionally guidance of 2014 versus 2012?

A

We're not providing guidance for either year at this point.

Q

Okay, okay. Thank you.

Operator: Thank you, Mr. Khan. [Operator Instructions] .

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CPUC05573

Anthony F. Earley
Chairman, President & Chief Executive Officer

Jackie, is that an indication that there are no further questions.

Operator: Yes, sir. And there are currently no additional questions waiting from the phone lines.

Anthony F. Earley
Chairman, President & Chief Executive Officer

All right, in that that case I would like to thank everybody for spending some time with us today. I know it's very busy earnings season and this towards the tail end. So, have a great day. Thanks again.

Operator: Ladies and gentlemen, thank you for attending the PG&E Corporation's second quarter earnings conference call. This now concludes the conference. Enjoy the rest of your day.

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CPUC05574

From: Michael Goldenberg
To: Mark Pocta (rmp@cpuc.ca.gov)
Sent: 9/10/2012 2:54:42 PM
Subject: Hello

Mark,

Hope you had a wondering trip to Yosemite with your son.

I will be in San Francisco tomorrow, and was wondering if you were available to meet up for lunch tomorrow.

Please let me know. Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Pocta, Robert M.
To: 'Michael Goldenberg'
Sent: 9/10/2012 4:05:28 PM
Subject: RE: Hello

Yes, that will work fine. I have a meeting that runs until noon. I can either meet you in the lobby about noon or another location.
My cell is 925-324-9481 in case you need to contact me.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Monday, September 10, 2012 2:55 PM
To: Pocta, Robert M.
Subject: Hello

Mark,

Hope you had a wondering trip to Yosemite with your son.

I will be in San Francisco tomorrow, and was wondering if you were available to meet up for lunch tomorrow.

Please let me know. Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Michael Goldenberg
To: Pocta, Robert M.
Sent: 9/10/2012 4:06:54 PM
Subject: RE: Hello

Great. My meeting with Commissioner Florio is running through noon, as well. I will call you on your work or cell once I get out. Looking forward to it!

From: Pocta, Robert M. [mailto:robert.pocta@cpuc.ca.gov]
Sent: Mon, September 10, 2012 7:05 PM
To: Michael Goldenberg
Subject: RE: Hello

Yes, that will work fine. I have a meeting that runs until noon. I can either meet you in the lobby about noon or another location.
My cell is 925-324-9481 in case you need to contact me.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Monday, September 10, 2012 2:55 PM
To: Pocta, Robert M.
Subject: Hello

Mark,

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Please let me know. Thank you very much.

Regards,

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From: Michael Goldenberg
To: Mark Pocta (rmp@cpuc.ca.gov)
Sent: 10/10/2012 11:04:27 AM
Subject: Hey

Mark,

How are things going? Wanted to see if we can catch up on the phone.

Please let me know. Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Michael Goldenberg
To: Mark Pocta (rmp@cpuc.ca.gov)
Sent: 10/15/2012 4:54:39 AM
Subject: PG&E ALJ OIR

Mark,

Good morning.

I'm sure you've seen the proposed OIR issued by ALJ. Any thoughts regarding it?

Would you happen to know whether the 6.05% return recommended by the ALJ is pre-tax of after-tax?

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
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From: Michael Goldenberg
To: Mark Pocta (rmp@cpuc.ca.gov)
Sent: 11/7/2012 10:20:48 AM
Subject: Tomrrow

Mark,

Unfortunately, New York is being hit a with a storm today. As a result, my flight to San Francisco got cancelled, and I will not be making the trip.

I hope to visit you again in the near future. Talk to you soon.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
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From: Pocta, Robert M.
To: 'Michael Goldenberg'
Sent: 11/7/2012 10:31:44 AM
Subject: RE: Tomrrow

Thanks - good luck with the weather and everything. See you next time.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Wednesday, November 07, 2012 10:21 AM
To: Pocta, Robert M.
Subject: Tomrrow

Mark,

Unfortunately, New York is being hit a with a storm today. As a result, my flight to San Francisco got cancelled, and I will not be making the trip.

I hope to visit you again in the near future. Talk to you soon.

Regards,

Michael Goldenberg, CFA
Luminus Management
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From: Pocta, Robert M.
To: Michael Goldenberg
CC: mark@alphainception.com; James J. Heckler
Sent: 6/17/2013 11:49:28 AM
Subject: RE: Tomorrow MEeting

Yes, that will work fine. I'll plan on seeing them tomorrow at 2:30 PM.
See you on your next trip.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Monday, June 17, 2013 8:23 AM
To: Pocta, Robert M.
Cc: mark@alphainception.com; James J. Heckler
Subject: Tomorrow MEeting

Mark,

Hope you had a good Father's Day.

Unfortunately, I will not be able to travel to California tomorrow due to illness. However, my colleagues James Heckler and Mark Struk will be visiting CPUC offices in my place.

Would they be able to stop by your office (Room #4205) at ~2:30pm tomorrow to meet with you. (in my place)? I think you will find that they are gregarious gentlemen and you will enjoy meeting with themJ They are also very knowledgeable about California regulation, so I think the meeting will be mutually beneficial.

Please let me know if the arrangement works for you. Thank you very much.

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
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From:	Michael Goldenberg
To:	Pocta, Robert M.
CC:	mark@alphainception.com; James J. Heckler
Sent:	6/17/2013 12:18:37 PM
Subject:	RE: Tomorrow MEeting

Thank you very much, Mark.

I will definitely see you next time I'm in California.

From: Pocta, Robert M. [mailto:robert.pocta@cpuc.ca.gov]
Sent: Mon, June 17, 2013 2:49 PM
To: Michael Goldenberg
Cc: mark@alphainception.com; James J. Heckler
Subject: RE: Tomorrow MEeting

Yes, that will work fine. I'll plan on seeing them tomorrow at 2:30 PM.
See you on your next trip.

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
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Cc: mark@alphainception.com; James J. Heckler
Subject: Tomorrow MEeting

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From: Stevens, Brian
To: 'mark@alphainception.com'; Murtishaw, Scott
CC: James Heckler
Sent: 6/18/2013 9:42:03 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I'll be out of the office by then – my apologies.

From: mark@alphainception.com [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 9:41 AM
To: Murtishaw, Scott; Stevens, Brian
Cc: James Heckler
Subject: Flight delay - Can we meet at 330 instead of 130?

Brian and Scott,

My flight into SF has been delayed and I will miss the 130PM meeting. We have another meeting at 230PM so we could meet right after that at 330PM.

Does 330PM work for you both?

Thanks,

Mark Struk
713 906 1842
-------- Original Message --------
Subject: RE: Will you be around on June 18th??
From: "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov>
Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens, Brian" <brian.stevens@cpuc.ca.gov>

1:30 works for me.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

From: James J. Heckler
To: 'Stevens, Brian'; 'mark@alphainception.com'; 'Murtishaw, Scott'
Sent: 6/18/2013 9:47:01 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I'm still inflight and I arrive at SFO at 11:15 so can be a bit flexible.

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Stevens, Brian [brian.stevens@cpuc.ca.gov]
Sent: Tuesday, June 18, 2013 12:42 PM Eastern Standard Time
To: 'mark@alphainception.com'; Murtishaw, Scott
Cc: James J. Heckler
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

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Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens, Brian" <brian.stevens@cpuc.ca.gov>

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Scott Murtishaw

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From: James J. Heckler
To: 'Stevens, Brian'; 'mark@alphainception.com'; 'Murtishaw, Scott'
Sent: 6/18/2013 9:53:24 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I am still make the 1:30 PM meeting if another time is not chosen.

Best,
James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Stevens, Brian [brian.stevens@cpuc.ca.gov]
Sent: Tuesday, June 18, 2013 12:42 PM Eastern Standard Time
To: 'mark@alphainception.com'; Murtishaw, Scott
Cc: James J. Heckler
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

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Mark Struk
713 906 1842
-------- Original Message --------
Subject: RE: Will you be around on June 18th??
From: "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov>
Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens, Brian" <brian.stevens@cpuc.ca.gov>

1:30 works for me.

Scott Murtishaw
Energy Advisor to President Peevey
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From: Murtishaw, Scott
To: mark@alphainception.com; James J. Heckler; Stevens, Brian
Sent: 6/18/2013 10:29:13 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

3:30 would work for me.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

From: mark@alphainception.com [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 10:00 AM
To: James J. Heckler; Stevens, Brian; Murtishaw, Scott
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Brian and Scott - James is filling in for Michael Goldenberg (who was not able to make the trip last minute).

Due to flight delay, I am not expected to land until 1:45PM. If moving the meeting to 3:30PM does not work then please go ahead and meet with James at 1:30PM.

Thanks,

Mark

-------- Original Message --------
Subject: RE: Flight delay - Can we meet at 330 instead of 130?
From: "James J. Heckler" <JHeckler@luminusmgmt.com>
Date: Tue, June 18, 2013 11:53 am
To: "'Stevens, Brian'" <brian.stevens@cpuc.ca.gov>, "'mark@alphainception.com'" <mark@alphainception.com>, "'Murtishaw, Scott'" <scott.murtishaw@cpuc.ca.gov>

I am still make the 1:30 PM meeting if another time is not chosen.

Best,
James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

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Thanks,

Mark Struk
713 906 1842
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Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens, Brian" <brian.stevens@cpuc.ca.gov>

1:30 works for me.

Scott Murtishaw
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From: James J. Heckler
To: 'Mark Struk'; 'Murtishaw, Scott'
CC: 'Stevens, Brian'
Sent: 6/18/2013 10:51:19 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

That works for me.

Best,
James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Mark Struk [mark@alphainception.com]
Sent: Tuesday, June 18, 2013 01:47 PM Eastern Standard Time
To: Murtishaw, Scott
Cc: James J. Heckler; Stevens, Brian
Subject: Re: Flight delay - Can we meet at 330 instead of 130?

Ok, thanks. Why don't we do this...

James and Brian can meet as planned at 130 (it will be good to at least have the in person introduction).

Then, Scott, James and I can meet at 330 for a bit more discussion.

Thanks for being flexible. See you later today.

Mark

On Jun 18, 2013, at 10:29 AM, "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov> wrote:

3:30 would work for me.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

From: mark@alphainception.com [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 10:00 AM
To: James J. Heckler; Stevens, Brian; Murtishaw, Scott

Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Brian and Scott - James is filling in for Michael Goldenberg (who was not able to make the trip last minute).

Due to flight delay, I am not expected to land until 1:45PM. If moving the meeting to 3:30PM does not work then please go ahead and meet with James at 1:30PM.

Thanks,

Mark

-------- Original Message --------
Subject: RE: Flight delay - Can we meet at 330 instead of 130?
From: "James J. Heckler" <JHeckler@luminusmgmt.com>
Date: Tue, June 18, 2013 11:53 am
To: "'Stevens, Brian'" <brian.stevens@cpuc.ca.gov>,
"'mark@alphainception.com'" <mark@alphainception.com>, "'Murtishaw,
Scott'" <scott.murtishaw@cpuc.ca.gov>

I am still make the 1:30 PM meeting if another time is not chosen.

Best,
James

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-----Original Message-----
From: Stevens, Brian [brian.stevens@cpuc.ca.gov]
Sent: Tuesday, June 18, 2013 12:42 PM Eastern Standard Time
To: 'mark@alphainception.com'; Murtishaw, Scott
Cc: James J. Heckler
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I'll be out of the office by then – my apologies.

From: mark@alphainception.com [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 9:41 AM
To: Murtishaw, Scott; Stevens, Brian
Cc: James Heckler
Subject: Flight delay - Can we meet at 330 instead of 130?

Brian and Scott,

My flight into SF has been delayed and I will miss the 130PM meeting. We have another meeting at 230PM so we could meet right after that at 330PM.

Does 330PM work for you both?

Thanks,

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713 906 1842
-------- Original Message --------

Subject: RE: Will you be around on June 18th??
From: "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov>
Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens, Brian" <brian.stevens@cpuc.ca.gov>

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From: Stevens, Brian
To: 'Mark Struk'; Murtishaw, Scott
CC: James J. Heckler
Sent: 6/18/2013 11:05:31 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I am sorry; I am not going to be able to make the 1:30 meeting. I need to run home for an unexpected reason. My apologies.

From: Mark Struk [mailto:mark@alphainception.com]
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From: James J. Heckler
To: 'Stevens, Brian'; 'Mark Struk'; 'Murtishaw, Scott'
Sent: 6/18/2013 11:10:45 AM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Got it. No worries.

Mark,

Shall we meet at 2:15 PM?

James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Stevens, Brian [brian.stevens@cpuc.ca.gov]
Sent: Tuesday, June 18, 2013 02:05 PM Eastern Standard Time
To: 'Mark Struk'; Murtishaw, Scott
Cc: James J. Heckler
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

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Subject: RE: Flight delay - Can we meet at 330 instead of 130?
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From: James J. Heckler
To: 'Mark Struk'
CC: 'Murtishaw, Scott'
Sent: 6/18/2013 3:44:03 PM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Scott,

I'm here on the fifth floor near reception. Can you direct me to your office?

Best,
James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
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(212) 615-3452
JHeckler@luminusmgmt.com

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From: Mark Struk [mark@alphainception.com]
Sent: Tuesday, June 18, 2013 06:30 PM Eastern Standard Time
To:
Cc: Murtishaw, Scott; James J. Heckler
Subject: Re: Flight delay - Can we meet at 330 instead of 130?

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To:
Cc: Murtishaw, Scott; James J. Heckler
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From: "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov>
Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens, Brian" <brian.stevens@cpuc.ca.gov>

1:30 works for me.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

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From: James J. Heckler
To: 'Murtishaw, Scott'; 'Mark Struk'
Sent: 6/18/2013 3:48:29 PM
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Mark,

Email me when you arrive.

James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Murtishaw, Scott [scott.murtishaw@cpuc.ca.gov]
Sent: Tuesday, June 18, 2013 06:45 PM Eastern Standard Time
To: James J. Heckler; 'Mark Struk'
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I'll come over.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

From: James J. Heckler [mailto:JHeckler@luminusmgmt.com]
Sent: Tuesday, June 18, 2013 3:44 PM
To: 'Mark Struk'
Cc: Murtishaw, Scott
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Scott,

I'm here on the fifth floor near reception. Can you direct me to your office?

Best,
James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor

New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Mark Struk [mark@alphainception.com]
Sent: Tuesday, June 18, 2013 06:30 PM Eastern Standard Time
To:
Cc: Murtishaw, Scott; James J. Heckler
Subject: Re: Flight delay - Can we meet at 330 instead of 130?

I am about 10 mins away. Be there shortly.

On Jun 18, 2013, at 11:05 AM, "Stevens, Brian" <brian.stevens@cpuc.ca.gov> wrote:

I am sorry; I am not going to be able to make the 1:30 meeting. I need to run home for an unexpected reason. My apologies.

From: Mark Struk [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 10:48 AM
To: Murtishaw, Scott
Cc: James J. Heckler; Stevens, Brian
Subject: Re: Flight delay - Can we meet at 330 instead of 130?

Ok, thanks. Why don't we do this...

James and Brian can meet as planned at 130 (it will be good to at least have the in person introduction).

Then, Scott, James and I can meet at 330 for a bit more discussion.

Thanks for being flexible. See you later today.

Mark

On Jun 18, 2013, at 10:29 AM, "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov> wrote:

3:30 would work for me.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

From: mark@alphainception.com [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 10:00 AM
To: James J. Heckler; Stevens, Brian; Murtishaw, Scott
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

Brian and Scott - James is filling in for Michael Goldenberg (who was not able to make the trip last minute).

Due to flight delay, I am not expected to land until 1:45PM. If moving the meeting to 3:30PM does not work then please go ahead and meet with James at 1:30PM.

Thanks,

Mark

-------- Original Message --------
Subject: RE: Flight delay - Can we meet at 330 instead of 130?
From: "James J. Heckler" <JHeckler@luminusmgmt.com>
Date: Tue, June 18, 2013 11:53 am
To: "'Stevens, Brian'" <brian.stevens@cpuc.ca.gov>, "'mark@alphainception.com'" <mark@alphainception.com>, "'Murtishaw, Scott'" <scott.murtishaw@cpuc.ca.gov>

I am still make the 1:30 PM meeting if another time is not chosen.

Best,
James

James J Heckler
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
(212) 615-3452
JHeckler@luminusmgmt.com

-----Original Message-----
From: Stevens, Brian [brian.stevens@cpuc.ca.gov]
Sent: Tuesday, June 18, 2013 12:42 PM Eastern Standard Time
To: 'mark@alphainception.com'; Murtishaw, Scott
Cc: James J. Heckler
Subject: RE: Flight delay - Can we meet at 330 instead of 130?

I'll be out of the office by then – my apologies.

From: mark@alphainception.com [mailto:mark@alphainception.com]
Sent: Tuesday, June 18, 2013 9:41 AM
To: Murtishaw, Scott; Stevens, Brian
Cc: James Heckler
Subject: Flight delay - Can we meet at 330 instead of 130?

Brian and Scott,

My flight into SF has been delayed and I will miss the 130PM meeting. We have another meeting at 230PM so we could meet right after that at 330PM.

Does 330PM work for you both?

Thanks,

Mark Struk
713 906 1842
-------- Original Message --------
Subject: RE: Will you be around on June 18th??
From: "Murtishaw, Scott" <scott.murtishaw@cpuc.ca.gov>
Date: Mon, June 10, 2013 5:09 pm
To: "mark@alphainception.com" <mark@alphainception.com>, "Stevens,

Brian" <brian.stevens@cpuc.ca.gov>

1:30 works for me.

Scott Murtishaw
Energy Advisor to President Peevey
California Public Utilities Commission
(o) 415-703-5863
(f) 415-703-5091

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From: Michael Goldenberg
To: Mark Pocta (rmp@cpuc.ca.gov)
Sent: 3/10/2014 10:24:21 AM
Subject: Phone Conversation

Hi Mark,

Have been trying to reach you over the past week.

Would love to spend to some time on the phone to catch up. Please let me know if you have 20 minutes of free time.

Thank you very much,

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Pocta, Robert M.
To: Michael Goldenberg
Sent: 3/10/2014 12:28:57 PM
Subject: RE: Phone Conversation

Hi Michael,
I'm fairly limited in availability until Wednesday – does Wednesday morning at 11:00 PST work?
Mark

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Monday, March 10, 2014 10:24 AM
To: Pocta, Robert M.
Subject: Phone Conversation

Hi Mark,

Have been trying to reach you over the past week.

Would love to spend to some time on the phone to catch up. Please let me know if you have 20 minutes of free time.

Thank you very much,

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
New York, NY 10019
Work: 212-615-3427
Cell: 917-501-5980
Email: mgoldenberg@luminusmgmt.com
AIM: gosya79

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From: Michael Goldenberg
To: 'Pocta, Robert M.'
Sent: 3/10/2014 12:29:36 PM
Subject: RE: Phone Conversation

Great! Will call you then!

From: Pocta, Robert M. [mailto:robert.pocta@cpuc.ca.gov]
Sent: Monday, March 10, 2014 3:29 PM
To: Michael Goldenberg
Subject: RE: Phone Conversation

Hi Michael,
I'm fairly limited in availability until Wednesday – does Wednesday morning at 11:00 PST work?
Mark

From: Michael Goldenberg [mailto:mgoldenberg@Luminusmgmt.com]
Sent: Monday, March 10, 2014 10:24 AM
To: Pocta, Robert M.
Subject: Phone Conversation

Hi Mark,

Have been trying to reach you over the past week.

Would love to spend to some time on the phone to catch up. Please let me know if you have 20 minutes of free time.

Thank you very much,

Regards,

Michael Goldenberg, CFA
Luminus Management
1700 Broadway, 38th Floor
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Work: 212-615-3427
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AIM: gosya79

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From: Robert W. Gee
To: Simon, Timothy A.
CC: Koss, Kenneth L.; Escobar, Cristhian; Angie Storozynski (Macquarie Securities)
Sent: 2/24/2011 11:32:31 PM
Subject: RE: Macquarie: Investor meeting in San Francisco on March 15th
Attachments: Robert W Gee2.vcf

Thanks, Tim. I'm convinced you will find this highly worthwhile.

See you soon.

Regards,
Bob

Robert W. Gee
President
Gee Strategies Group LLC
7609 Brittany Parc Court
Falls Church, VA 22043
PH: 703.593.0116
Landline & Fax: 703.698.2033
Email: rwgee@geestrategies.com
www.geestrategies.com
Policy Analysis|Advocacy|Litigation Support
gee_logo_final

From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, February 25, 2011 2:29 AM
To: Robert W. Gee
Cc: Koss, Kenneth L.; Escobar, Cristhian
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

I accepted. Thank you for the referral.

From: Robert W. Gee
To: Simon, Timothy A.
Cc: Koss, Kenneth L.; Escobar, Cristhian
Sent: Thu Feb 24 14:50:15 2011
Subject: FW: Macquarie: Investor meeting in San Francisco on March 15th
Hi Tim,

I know you are quite busy, but I wanted to highlight to your attention an invitation your office received from Macquarie to keynote a meeting with investment fund representatives. As you can see from the email message I received below, this event would give you an opportunity to meet with investment funds from across the country, as opposed to a more limited scope you may have had on prior trips to New York City.

I hope your schedule allows you to accept. In any event, you will have a great opportunity to meet the

Macquarie folks later next month.

See you at the next NPC meeting.

Best,
Bob

Robert W. Gee
President
Gee Strategies Group LLC
7609 Brittany Parc Court
Falls Church, VA 22043
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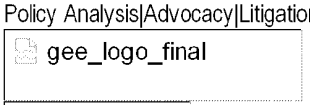
Landline & Fax: 703.698.2033
Email: rwgee@geestrategies.com
www.geestrategies.com
Policy Analysis|Advocacy|Litigation Support


From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, February 24, 2011 2:29 PM
To: Robert W. Gee
Subject: Macquarie: Investor meeting in San Francisco on March 15th

Bob

Below please find an official invite to our event (California corporate day). As you will see we are hoping to have Comm. Simon as our keynote speaker on **March 15th** around **noon.** Our meetings will be held at Le Meridien and utility managements are not going to be present during Comm. Simon's session. If he would prefer a different time slot, we will accommodate it as long as it is between 8:00am and 1:00pm.

As I mentioned on the phone, Comm. Simon attended a meeting with investors in NY back in January. This time around he will be able to see all large investment funds from across the country. The following funds have already signed up for the event:

- Fidelity,
- TRowe Price,
- Capital Group,
- JPMorgan,
- AIM/Invesco,
- Franklin Templeton,
- Columbia,
- UBS,
- Thrivent,
- Nuveen/FAF,
- SAC.

I have filed a meeting request with his office, but I have yet to hear back from them. I would appreciate any help.

Thanks
Angie

Angie Storozynski
Managing Director, Equity Research

US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

Please go to www.macquarieconnections.com and select the "US Utilities: California Corporate Day " to register.

Please join Macquarie Capital (USA) for meetings with representatives of **the California Public Utilities Commission** and managements of **Edison International, PG&E and Sempra Energy.**

Macquarie: US Corporate Access
California Public Utilities Commission (CPUC)
Edison International (EIX US)
Pacific Gas & Electric (PCG US)

Hosting Analyst:
Angie Storozynski, US Utilities and Alternative Energy Analyst

Date/Location

Monday, March 14th
3:00- 4:00pm: Meeting with Commissioner Florio
4:00 - 5:00pm: Meeting with Commissioner Sandoval
6:30-8:00pm: Dinner with management of EIX and PCG

Tuesday, March 15th
9:00-12:00pm: Group discussions and 1x1 meetings
12:00-1:00pm: Lunch - Keynote address and Q&A with a representative of the CPUC

Le Meridien
333 Battery Street
San Francisco, CA

Management / Commissioners in Attendance:
Mike Florio, Commissioner, the California Public Utilities Commission - **confirmed**
Catherine Sandoval, Commissioner, the California Public Utilities Commission - **confirmed**
Jim Scilacci, CFO of Edison International - **confirmed**
Kent Harvey, CFO of PG&E - **confirmed**
Tom Bottorff, SVP, Regulatory Relations, PG&E - **confirmed**
Timothy Simon, Commissioner, the California Public Utilities Commission **awaiting confirmation**

Recommended accommodation:

Le Meridien San Francisco
333 Battery Street
San Francisco, CA 94111
+1 415 296 2900
http://www.lemeridiensanfrancisco.com/

We have a limited room block at Le Meridien San Francisco and urge you to secure your reservation as soon as possible. Our contracted rate is USD$259 per night + applicable taxes - mention the Macquarie Capital (USA) Inc. special group rate. The cut off date is **Monday, February 21, 2011.**

Recommended flights:

From/to NY

March 14th: JFK-SFO: Delta 1765 @ 10:15am arriving @ 1:38pm
March 15th: SFO-JFK: Delta 2040 @3:30pm arriving @11:59pm

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From/to Boston:

March 14th: BOS-SFO: JetBlue 631 @ 9:15am arriving @ 12:55pm
March 15th: SFO-BOS: JetBlue 634 @1:55pm arriving @ 10:28pm

From/to Minneapolis

March 14th: MSP-SFO: Delta 2105 @ 11:50pm arriving @1:59pm
March 15th: SFO-MSP: Delta 2706 @ 3:00pm arriving @ 8:40pm

From/To Houston:

March 14th: IAH-SFO: United 855 @ 9:00am arriving @ 11:17am
March 15th: SFO-IAH: United 4022 @ 5:35pm arriving @11:04pm

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TIAA-CREF
****

Full Name:	Robert W. Gee
Last Name:	Gee
First Name:	Robert
Job Title:	President
Company:	Gee Strategies Group LLC
Business Address:	7609 Brittany Parc Court Falls Church, VA 22043 USA
Business:	703-593-0116
Mobile:	(703) 593-0116
E-mail:	rwgee@geestrategies.com
E-mail Display As:	Robert W. Gee <rwgee@geestrategies.com>
Web Page:	http://www.geestrategies.com

From: Simon, Timothy A.
To: rwgee@geestrategies.com
CC: Koss, Kenneth L.; Escobar, Cristhian; Angie.Storozynski@macquarie.com; Hall, Thomas A.
Sent: 2/25/2011 4:28:07 AM
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

Thank you! I look forward to the gathering. Ms. Storonzynski, if we could discuss the proposed topic and format I would appreciate it.

Regards,

From: Robert W. Gee
To: Simon, Timothy A.
Cc: Koss, Kenneth L.; Escobar, Cristhian; Angie Storozynski (Macquarie Securities)
Sent: Thu Feb 24 23:32:31 2011
Subject: RE: Macquarie: Investor meeting in San Francisco on March 15th

Thanks, Tim. I'm convinced you will find this highly worthwhile.

See you soon.

Regards,
Bob

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www.geestrategies.com
Policy Analysis|Advocacy|Litigation Support

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From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, February 25, 2011 2:29 AM
To: Robert W. Gee
Cc: Koss, Kenneth L.; Escobar, Cristhian
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

I accepted. Thank you for the referral.

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To: Simon, Timothy A.
Cc: Koss, Kenneth L.; Escobar, Cristhian
Sent: Thu Feb 24 14:50:15 2011

Subject: FW: Macquarie: Investor meeting in San Francisco on March 15th
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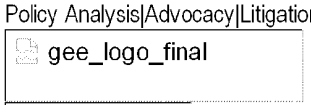

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, February 24, 2011 2:29 PM
To: Robert W. Gee
Subject: Macquarie: Investor meeting in San Francisco on March 15th

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- UBS,
- Thrivent,
- Nuveen/FAF,
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I have filed a meeting request with his office, but I have yet to hear back from them. I would appreciate any help.

Thanks
Angie

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
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c: +1 646 575 5761
angie.storozynski@macquarie.com

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Please join Macquarie Capital (USA) for meetings with representatives of **the California Public Utilities Commission** and managements of **Edison International, PG&E and Sempra Energy.**

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Jim Scilacci, CFO of Edison International - **confirmed**
Kent Harvey, CFO of PG&E - **confirmed**
Tom Bottorff, SVP, Regulatory Relations, PG&E - **confirmed**
Timothy Simon, Commissioner, the California Public Utilities Commission – **awaiting confirmation**

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March 14th: IAH-SFO: United 855 @ 9:00am arriving @ 11:17am
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then delete it.

TIAA-CREF
****

From:	Angie Storozynski (Macquarie Securities)
To:	Simon, Timothy A.; rwgee@geestrategies.com
CC:	Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.
Sent:	2/25/2011 5:18:51 AM
Subject:	RE: Macquarie: Investor meeting in San Francisco on March 15th
Attachments:	image003.jpg; image004.jpg; image006.jpg; image007.jpg

Commissioner Simon,

Thank you very much for accepting our invitation, we really look forward to hearing your thoughts and opinions on key issues. All of the funds represented at our meeting have a large equity exposure to California electric utilities. We believe that you would make an ideal key-note speaker during lunch on March 15th. Ideally, we'd like you to give a brief introduction and overview of some key topics, and then open the floor to Q&A for the bulk of the sessions. Particular issues that we and investors are most interested in include:
- energy policy of Governor Brown and the new Commissioners, and the impact on CPUC's decision making,
- potential changes to allowed ROEs for electric utilities,
- rate-basing of renewables vs. PPAs,
- AB32,
- smart meters,
- regulatory treatment of cash flows from accelerated depreciation,
- San Bruno accident and need for investment in gas pipelines in CA

Thanks again, and please let us know if you have any questions for us. We'll send you more details as the date approaches.

Kind regards,
Angie

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
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c: +1 646 575 5761
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Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

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Sent: Thu Feb 24 23:32:31 2011
Subject: RE: Macquarie: Investor meeting in San Francisco on March 15th

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Regards,
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Email: rwgee@geestrategies.com
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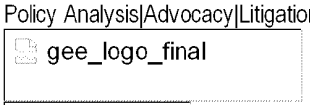
Policy Analysis|Advocacy|Litigation Support



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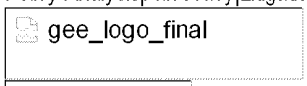

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Angie

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Please join Macquarie Capital (USA) for meetings with representatives of **the California Public Utilities Commission** and managements of **Edison International, PG&E and Sempra Energy.**

Macquarie: US Corporate Access
California Public Utilities Commission (CPUC)
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Pacific Gas & Electric (PCG US)

Hosting Analyst:
Angie Storozynski, US Utilities and Alternative Energy Analyst

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Le Meridien
333 Battery Street
San Francisco, CA

Management / Commissioners in Attendance:
Mike Florio, Commissioner, the California Public Utilities Commission - **confirmed**
Catherine Sandoval, Commissioner, the California Public Utilities Commission - **confirmed**
Jim Scilacci, CFO of Edison International - **confirmed**
Kent Harvey, CFO of PG&E - **confirmed**
Tom Bottorff, SVP, Regulatory Relations, PG&E - **confirmed**
Timothy Simon, Commissioner, the California Public Utilities Commission – **awaiting confirmation**

Recommended accommodation:

Le Meridien San Francisco
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We have a limited room block at Le Meridien San Francisco and urge you to secure your reservation as soon as possible. Our contracted rate is USD$259 per night + applicable taxes - mention the Macquarie Capital (USA) Inc. special group rate. The cut off date is **Monday, February 21, 2011.**

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MACQUARIE CONNECTIONS
MACQUARIE CAPITAL (USA) INC.
MACQUARIE

From: Simon, Timothy A.
To: Angie Storozynski (Macquarie Securities)
Sent: 2/25/2011 5:18:52 AM
Subject: Out of Office AutoReply: Macquarie: Investor meeting in San Francisco on March 15th

I am currently out of the office, returning on Tuesday, February 23, 2011.

If you need immediate assistance, please call 415-703-1407 and my staff will assist you. Thank you.

From:	Simon, Timothy A.
To:	Angie.Storozynski@macquarie.com; rwgee@geestrategies.com
CC:	Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Sent:	2/25/2011 5:55:35 AM
Subject:	Re: Macquarie: Investor meeting in San Francisco on March 15th
Attachments:	image003.jpg; image004.jpg; image006.jpg; image007.jpg

Great! I will work with my team in preparation. I look forward to meeting you and the conference participants.

Regards,

From: Angie Storozynski (Macquarie Securities)
To: Simon, Timothy A.; rwgee@geestrategies.com
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.
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- AB32,
- smart meters,
- regulatory treatment of cash flows from accelerated depreciation,
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Thanks again, and please let us know if you have any questions for us. We'll send you more details as the date approaches.

Kind regards,
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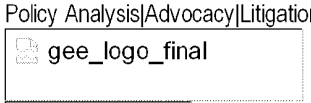

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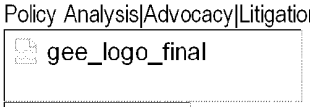

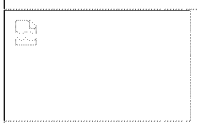

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Subject:	RE: Macquarie: Investor meeting in San Francisco on March 15th
Attachments:	image003.jpg; image004.jpg; image006.jpg; image007.jpg

Thank you again.
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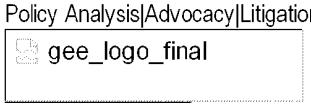

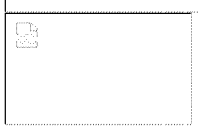

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Macquarie: US Corporate Access
California Public Utilities Commission (CPUC)
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Hosting Analyst:
Angie Storozynski, US Utilities and Alternative Energy Analyst

Date/Location

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3:00- 4:00pm: Meeting with Commissioner Florio
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Le Meridien
333 Battery Street
San Francisco, CA

Management / Commissioners in Attendance:
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MACQUARIE CONNECTIONS
MACQUARIE CAPITAL (USA) INC.
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To:	Simon, Timothy A.
CC:	Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Sent:	2/25/2011 10:10:23 AM
Subject:	RE: Macquarie: Investor meeting in San Francisco on March 15th
Attachments:	image003.jpg; image004.jpg; image006.jpg; image007.jpg

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From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, February 25, 2011 8:56 AM
To: Angie Storozynski (Macquarie Securities); rwgee@geestrategies.com
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

Great! I will work with my team in preparation. I look forward to meeting you and the conference participants.

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To: Simon, Timothy A.; rwgee@geestrategies.com
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.
Sent: Fri Feb 25 05:18:51 2011
Subject: RE: Macquarie: Investor meeting in San Francisco on March 15th

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- AB32,
- smart meters,

- regulatory treatment of cash flows from accelerated depreciation,
- San Bruno accident and need for investment in gas pipelines in CA

Thanks again, and please let us know if you have any questions for us. We'll send you more details as the date approaches.

Kind regards,
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Thanks, Tim. I'm convinced you will find this highly worthwhile.

See you soon.

Regards,
Bob

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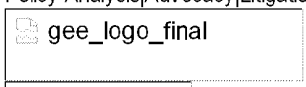

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Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

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I hope your schedule allows you to accept. In any event, you will have a great opportunity to meet the Macquarie folks later next month.

See you at the next NPC meeting.

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I have filed a meeting request with his office, but I have yet to hear back from them. I would appreciate any help.

Thanks
Angie

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Subject:	Re: Macquarie: Investor meeting in San Francisco on March 15th
Attachments:	image003.jpg; image004.jpg; image006.jpg; image007.jpg

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Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
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c: +1 646 575 5761
angie.storozynski@macquarie.com

From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, February 25, 2011 8:56 AM
To: Angie Storozynski (Macquarie Securities); rwgee@geestrategies.com
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

Great! I will work with my team in preparation. I look forward to meeting you and the conference participants.

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Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.
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- potential changes to allowed ROEs for electric utilities,
- rate-basing of renewables vs. PPAs,
- AB32,
- smart meters,
- regulatory treatment of cash flows from accelerated depreciation,
- San Bruno accident and need for investment in gas pipelines in CA

Thanks again, and please let us know if you have any questions for us. We'll send you more details as the date approaches.

Kind regards,
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See you soon.

Regards,
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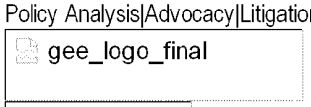

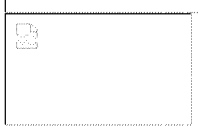

From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, February 25, 2011 2:29 AM
To: Robert W. Gee
Cc: Koss, Kenneth L.; Escobar, Cristhian
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

I accepted. Thank you for the referral.

From: Robert W. Gee
To: Simon, Timothy A.
Cc: Koss, Kenneth L.; Escobar, Cristhian
Sent: Thu Feb 24 14:50:15 2011
Subject: FW: Macquarie: Investor meeting in San Francisco on March 15th
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I hope your schedule allows you to accept. In any event, you will have a great opportunity to meet the Macquarie folks later next month.

See you at the next NPC meeting.

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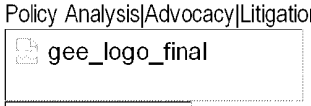

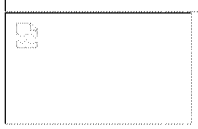

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, February 24, 2011 2:29 PM
To: Robert W. Gee
Subject: Macquarie: Investor meeting in San Francisco on March 15th

Bob

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As I mentioned on the phone, Comm. Simon attended a meeting with investors in NY back in January. This time around he will be able to see all large investment funds from across the country. The following funds have already signed up for the event:

- Fidelity,
- TRowe Price,
- Capital Group,
- JPMorgan,
- AIM/Invesco,
- Franklin Templeton,
- Columbia,
- UBS,
- Thrivent,
- Nuveen/FAF,
- SAC.

I have filed a meeting request with his office, but I have yet to hear back from them. I would appreciate any help.

Thanks
Angie

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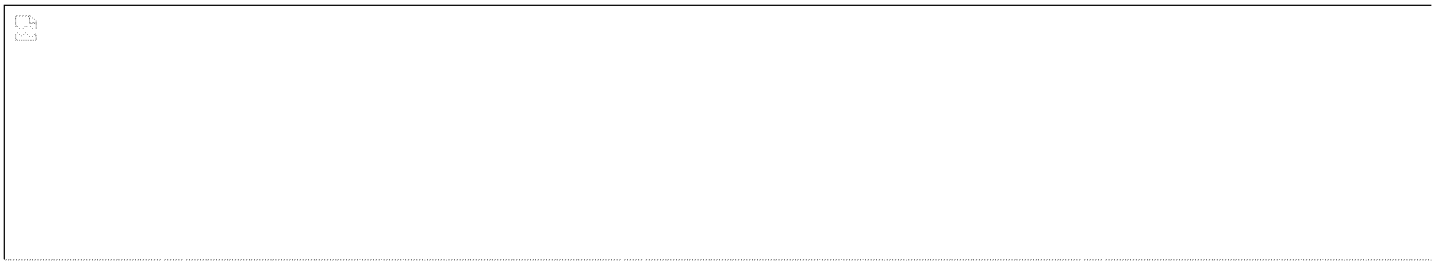

Please go to www.macquarieconnections.com and select the "US Utilities: California Corporate Day " to register.

Please join Macquarie Capital (USA) for meetings with representatives of **the California Public Utilities Commission** and managements of **Edison International, PG&E and Sempra Energy.**

Macquarie: US Corporate Access
California Public Utilities Commission (CPUC)
Edison International (EIX US)
Pacific Gas & Electric (PCG US)

Hosting Analyst:
Angie Storozynski, US Utilities and Alternative Energy Analyst

Date/Location

Monday, March 14th
3:00- 4:00pm: Meeting with Commissioner Florio
4:00 - 5:00pm: Meeting with Commissioner Sandoval
6:30-8:00pm: Dinner with management of EIX and PCG

Tuesday, March 15th
9:00-12:00pm: Group discussions and 1x1 meetings
12:00-1:00pm: Lunch - Keynote address and Q&A with a representative of the CPUC

Le Meridien
333 Battery Street
San Francisco, CA

Management / Commissioners in Attendance:
Mike Florio, Commissioner, the California Public Utilities Commission - **confirmed**
Catherine Sandoval, Commissioner, the California Public Utilities Commission - **confirmed**
Jim Scilacci, CFO of Edison International - **confirmed**
Kent Harvey, CFO of PG&E - **confirmed**
Tom Bottorff, SVP, Regulatory Relations, PG&E - **confirmed**
Timothy Simon, Commissioner, the California Public Utilities Commission **awaiting confirmation**

Recommended accommodation:

Le Meridien San Francisco
333 Battery Street
San Francisco, CA 94111
+1 415 296 2900
http://www.lemeridiensanfrancisco.com/

We have a limited room block at Le Meridien San Francisco and urge you to secure your reservation as soon as possible. Our contracted rate is USD$259 per night + applicable taxes - mention the Macquarie Capital (USA) Inc. special group rate. The cut off date is **Monday, February 21, 2011.**

Recommended flights:

From/to NY

March 14th: JFK-SFO: Delta 1765 @ 10:15am arriving @ 1:38pm
March 15th: SFO-JFK: Delta 2040 @3:30pm arriving @11:59pm

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From/To Houston:

March 14th: IAH-SFO: United 855 @ 9:00am arriving @ 11:17am
March 15th: SFO-IAH: United 4022 @ 5:35pm arriving @11:04pm

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Falls Church, VA 22043
USA
http://www.goostrategies.com

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MACQUARIE CONNECTIONS
MACQUARIE CAPITAL (USA) INC.
MACQUARIE

From: Simon, Timothy A.
To: Angie.Storozynski@macquarie.com
CC: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Sent: 2/25/2011 11:15:34 AM
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th
Attachments: image003.jpg; image004.jpg; image006.jpg; image007.jpg

Excellent! Appreciate your follow-through!

From: Angie Storozynski (Macquarie Securities)
To: Simon, Timothy A.
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Sent: Fri Feb 25 10:59:55 2011
Subject: RE: Macquarie: Investor meeting in San Francisco on March 15th

Perfect! Thank you very much. We have you scheduled for 11:00am on March 15th at Le Meridien San Francisco (where we are hosting our meetings). I will send you more details as the date approaches.

Much appreciated.

Regards,
Angie

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From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Friday, February 25, 2011 1:11 PM
To: Angie Storozynski (Macquarie Securities)
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Subject: Re: Macquarie: Investor meeting in San Francisco on March 15th

Yes!

From: Angie Storozynski (Macquarie Securities)
To: Simon, Timothy A.
Cc: Koss, Kenneth L.; Escobar, Cristhian; Hall, Thomas A.; Phillips, Paul S.
Sent: Fri Feb 25 10:10:23 2011
Subject: RE: Macquarie: Investor meeting in San Francisco on March 15th

Commissioner Simon,

Would you be willing to start our meeting on March 15th at 11:00am or 11:30am instead of 12:00pm? We have a number of investors coming from Boston and I'm trying to accommodate their flights back home.

Thank you.

Regards,

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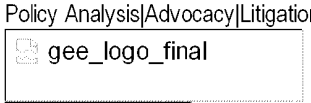

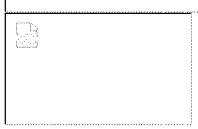

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Kent Harvey, CFO of PG&E - **confirmed**
Tom Bottorff, SVP, Regulatory Relations, PG&E - **confirmed**
Timothy Simon, Commissioner, the California Public Utilities Commission – **awaiting confirmation**

Recommended accommodation:

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Gee Strategies Group LLC
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Falls Church, VA 22043
USA
http://www.geestrategies.com

Gee
Strategies
Group, LLC

MACQUARIE CONNECTIONS
MACQUARIE CAPITAL (USA) INC.
MACQUARIE

From:	Alisa Zammit (MacCap Advisors)
To:	Phillips, Paul S.; Koss, Kenneth L.
Sent:	3/4/2011 9:23:20 AM
Subject:	RE: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011
Attachments:	image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg; image007.jpg; image008.jpg; image009.jpg

Good afternoon,

When your office has a moment, can I please ask for the registration details to be completed via the attached site (www.macquarie.com/vailconference). Im looking to confirm the Commissioners accommodation dates and book his ground transfers.

Also, when his bio has been updated, would you mind emailing me a copy with a photo (or direct me to where I might download it).

Many thanks for your assistance. Please don't hesitate to contact me should you have any questions.

Kind regards,
Alisa

Macquarie Capital (USA) Inc

Alisa Zammit
Business Support Executive
Macquarie Capital Advisors
Phone: 1 212 231 1387
Fax: 1 212 231 1718
email: alisa.zammit@macquarie.com

visit: www.macquarie.com/us

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From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Thursday, February 17, 2011 4:01 PM
To: Alisa Zammit (MacCap Advisors); Phillips, Paul S.; Koss, Kenneth L.
Subject: Re: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011

Will do. My bio is under slight revisions. We will post it shortly. Thank you for incuding me!

From: Alisa Zammit (MacCap Advisors)
To: Simon, Timothy A.; Phillips, Paul S.; Koss, Kenneth L.
Cc: Alisa Zammit (MacCap Advisors)
Sent: Thu Feb 17 12:33:31 2011
Subject: RE: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011

Good afternoon Commissioner Simon,

We're delighted you're able to join us in Vail. At your earliest convenience, can I ask your office to register your details on our registration page at www.macquarie.com/vailconference and I will go ahead and make your accommodation reservation and organise your ground transfers to and from Vail Eagle airport.

Should you have any questions, please do not hesitate to contact me.

Best regards,

Alisa

Macquarie Capital (USA) Inc

Alisa Zammit
Business Support Executive
Macquarie Capital Advisors
Phone: 1 212 231 1387
Fax: 1 212 231 1718
email: alisa.zammit@macquarie.com

visit: www.macquarie.com/us

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From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Saturday, February 05, 2011 4:08 PM
To: rwgee@geestrategies.com; Phillips, Paul S.; Koss, Kenneth L.
Cc: Alisa Zammit (MacCap Advisors)
Subject: Re: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011

Alisa, we look forward to working with you!

Regards,

From: Robert W. Gee
To: Simon, Timothy A.; Phillips, Paul S.; Koss, Kenneth L.
Cc: Alisa Zammit (MacCap Advisors)
Sent: Sat Feb 05 12:08:15 2011
Subject: RE: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011

Thanks, Commissioner Simon.

Your point of contact is Alisa Zammit with Macquarie. I have copied her on this email. You staff should contact her for all logistical arrangements related to the conference. You are slated to participate on two panels, one on Monday morning the 28th, and the other on Tuesday morning the 29th.

Thanks again for taking the time to participate.

Regards,
Bob

Robert W. Gee

President
Gee Strategies Group LLC
7609 Brittany Parc Court
Falls Church, VA 22043
PH: 703.593.0116
Landline & Fax: 703.698.2033
Email: rwgee@geestrategies.com
www.geestrategies.com
Policy Analysis|Advocacy|Litigation Support

gee_logo_final

From: Simon, Timothy A. [mailto:timothy.simon@cpuc.ca.gov]
Sent: Saturday, February 05, 2011 12:07 PM
To: Phillips, Paul S.; Koss, Kenneth L.; Robert W. Gee
Subject: Fw: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011

Please connect with Commissioner Emeritus Gee to obtain the appropriate contact for this conference. As I understand I am either speaking or on a panel. Robert, again thank you!

From: Alisa Zammit (MacCap Advisors)
Sent: Thu Feb 03 10:45:30 2011
Subject: INVITATION - Macquarie's Seventh Annual Utilities, Power and Gas Conference, Vail, Colorado - March 27 - 29, 2011

View this email in your browser

Macquarie's Seventh Annual Utilities, Power and Gas Conference

The Utility of the Future Developing a Vision and Roadmap - March 27-29, Vail Colorado

Macquarie invites you to join us

We are pleased to invite you to join leading industry participants in debating the "The Big Qu facing the utility, power and gas industries, including energy policy and regulation, the future o renewables, the impact of technology, how capital markets will finance new energy infrastruct commodity price paths, new financial regulation and risk management / monetization strategie

This "closed door" conference is limited to 200 industry participants drawn from selected utility, renewable, IPI midstream company CEO/CFO/COOs, commodity experts, state and federal energy regulators, as well as lea and legislative stakeholders. As with our past conferences this conference is unique in that it is structured as

informal, candid and interactive dialogue between diverse panels of industry opinion leaders and the audienc
industry leaders), moderated to keep the conversation flowing over two consecutive mornings (March 28 and

This year for the first time we will be offering two parallel sessions on Monday, March 28; one on regulated m
assets and another separately on unregulated and commodity markets. Sessions on Tuesday, March 29 will f
energy commodity outlooks / risk mitigation and the changing gas dynamic within the energy industry. Past fe
the quality and character of the dialogue at this conference has been extremely complimentary.

The afternoons are spent either skiing, with our dedicated guides including former Olympians Phil and Steve
snowmobiling or networking at the conference venue. The program also includes offsite dinners featuring key
speakers.

Guests will be provided with:

- Three nights accommodation at the Vail Cascade Resort & Spa including meals
- Transportation to and from the Vail Eagle Airport
- A choice of activities including skiing, snowboarding and snowmobiling, lift tickets, equipment rentals and mountain guides

Plus the opportunity to ski with Olympic legends Phil and Steve Mahre!

This event is by invitation only, space is limited, partners are welcome.

Register here now

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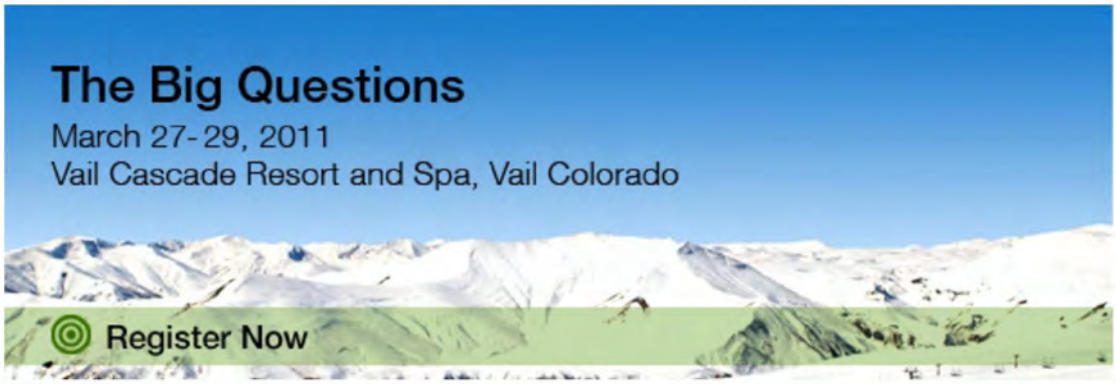
Gee
Strategies
Group, LLC

Robert W. Goo
Goo Strategies Group LLC
President
703-583-0185 Work
(703) 583-0186 Public
rogoo@goostrategies.com
7608 Brittany Park Court
Falls Church, VA 22043
USA
http://www.goostrategies.com

MACQUARIE
Macquarie's Seventh Annual
Utilities, Power and Gas Conference


The Big Questions
March 27-29, 2011
Vail Cascade Resort and Spa, Vail Colorado
Register Now

MACQUARIE INVITES YOU TO JOIN US

REGISTER HERE NOW
Macquarie's Seventh Annual Utilities, Power & Gas Conference
March 27-29 2011

From: Angie Storozynski (Macquarie Securities)
To: pac@cpuc.ca.gov
CC: am3@cpuc.ca.gov
Sent: 3/4/2011 10:08:06 AM
Subject: Meeting Request - March 14th 2011

Dear Mr. Clanon,

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York.

We are visiting the CPUC on March 14th for a meeting with Commissioner Florio and representatives of 20 large investment funds, including T. Rowe Price, Franklin Templeton, and Capital Group. Our meeting should end around 4:00 or 4:15pm, and we would be honored if you could meet with us around 4:00pm for up to 30 minutes. Interest in California regulatory developments is extremely high, as we already have about 15 investors from some of the largest funds across the country willing to travel to San Francisco for this event.

I am currently traveling in Europe, and will follow up with a phone call on Monday. Thank you very much for your consideration.

Kind regards,

Angie Storozynski

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

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From: Madrigal, Anna-Marie
To: Angie Storozynski (Macquarie Securities)
Sent: 3/4/2011 10:50:10 AM
Subject: RE: Meeting Request - March 14th 2011

Dear Ms. Storozynski,
I would be happy to schedule Paul at 4:15 to meet with your group. I will put this on his calendar.
Thank you,
Anna-Marie

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 04, 2011 10:08 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie
Subject: Meeting Request - March 14th 2011

Dear Mr. Clanon,

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York.

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From: Angie Storozynski (Macquarie Securities)
To: anna-marie.madrigal@cpuc.ca.gov
CC: Cleo Zagrean (Macquarie Securities)
Sent: 3/4/2011 12:41:49 PM
Subject: Re: Meeting Request - March 14th 2011

Thank you very much. Really much appreciated.
On Monday I will send you a list of investors for this meeting.

Thanks again and enjoy your weekend!

Angie

From: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 04 13:50:10 2011
Subject: RE: Meeting Request - March 14th 2011

Dear Ms. Storozynski,
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Thank you,
Anna-Marie

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 04, 2011 10:08 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie
Subject: Meeting Request - March 14th 2011

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angie.storozynski@macquarie.com

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From:	Peter Kind (MacCap Advisers)
To:	tas@cpuc.ca.gov; robert_curry@dps.state.ny.us; robert.shapard@exeloncorp.com; sthaynes@aep.com; james.torgerson@uinet.com; Angie Storozynski (Macquarie Securities)
CC:	Alan James (MacCap Advisors); Alisa Zammit (MacCap Advisors); Brent Wahl (MacCap Advisors)
Sent:	3/7/2011 1:57:47 PM
Subject:	Proposing Conference Call to Discuss Participation on Panel at Macquarie's Vail Conference
Attachments:	Preliminary Website Agenda_ 1 March 2011_6478086_1 (CFFP_NewYork).DOC

We appreciate your agreeing to participate on a discussion panel on Monday, March 28th at 9-10amRMT entitled " Does Utility Regulation Support Value Creation and Economic" (Panel 2A) . In advance of our upcoming Vail conference, we thought it would be a good idea to get the panelists on a phone conference call to discuss your participation with your co-panelists. We are proposing the following alternative times for a Conference Call:

-Wednesday, March 16th at 10 to 11amET (likely to take less time, but wanted to have contingency time); or
-Friday, March 18th at 11am to noonET

Please let me know if either date proposed does not work. From your responses, I will select best time for group and send around a dial-in and some information on the format and panel discussion topics. But to alleviate, any concerns, the format for the conference panels will be moderated Q and A (no prepared remarks, no PowerPoint). Please note that I have attached the Draft Conference Agenda and the key themes we seek to develop during each panel.

I would also appreciate if you could send your Bio for distribution to your co-panelists and for inclusion in the Conference reference materials.

We look forward to a great Conference and we truly appreciate your willingness to share your expertise with the Group.

Regards,

Peter

Macquarie Capital (USA) Inc.

Peter Kind
Senior Managing Director
Macquarie Capital Advisors
Phone: 1-212-231-1355
Cell: 1-516-450-1800
Fax: 1-212-231-1718

Email: peter.kind@macquarie.com

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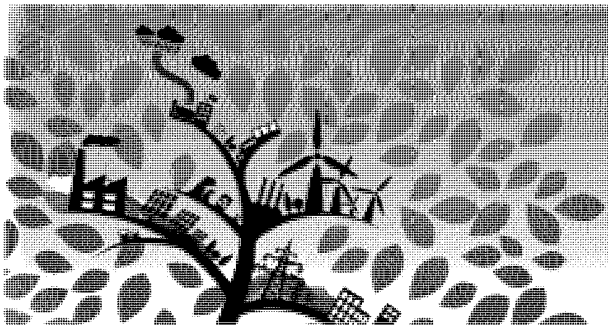

MACQUARIE
UTILITIES, POWER AND GAS CONFERENCE
VAIL – COLORADO, MARCH 27 - 29, 2011

MACQUARIE

Sunday March 27, 2011

TIME	SESSION
9.30am – 5.00pm	Conference Registration
5.30pm	Cocktail Reception
6.15pm	Dinner and Opening Address

Monday March 28, 2011 – Parallel Session "A" Regulated Markets and Assets

TIME	SESSION
7.00am	Breakfast
7.30am – 8.30am Panel 1 A	**Energy Policy Roundtable:** **The changing tide in Washington** • Is the USA moving in the right direction on Energy Policy-- Pros, Cons and Alternative Recommendations? • What is the biggest energy policy challenge we face and what are the catalysts to address resolution? • What will US energy supply look like in 2020 and why? • What incentives do we need to provide to promote the growth of new Nuclear, Clean Coal, Renewables, Electric Cars? • If you could make one point that you would like for people to take away from this Conference, what is it?
8.30am – 9.30am Panel 2 A	**Does Utility Regulation Support Value Creation and Economic Growth?** • Why has regulatory lag increased since 2007 and what are future prospects for Earned ROE's? • Experience with trackers, decoupling and lag mitigation mechanisms? • Pro and Cons of non-traditional rate mechanisms? • Impact of Non-traditional rate mechanism on IPP's and Renewables? • Is regulated growth accretive to value creation? • Does CofS Model achieve policy objectives and support economic growth?

9.30am – 10.30am Panel 3 A	**Can we Develop a Diverse Power Supply Mix?** • Prospects for EPA and CO^2 Rules to mitigate coal-- what time frame? • Commodity price outlook and potential game changers? • How dominant will natural gas be in future mix? • Will there be a "nuclear renaissance" -- timeframe and catalysts? • Prospects for Reregulation through to Capacity Market Development-- Texas Cold Snap Brownouts vs NJ Capacity Legislation? • Prospects for DG, DR and EE-- catalysts? • Can a diverse power supply mix be achieved in competitive power generation markets? • How are utilities addressing future power supply mix-- least cost vs. fuel diversity objectives?
10.30am – 11.00am	Coffee Break
11.00am – 11.45am Panel 4 A	**Are Renewables Stuck in Neutral?** • Growth in renewables is clearly linked to carbon policy – will this remain the domain of the States or Washington? • Prospects for RPS Targets met / extended? • The scramble for capital and tax attributes? • Are renewables the domain of utilities and not an independent industry? • What about grid parity? • Will short term incentives ever be replaced by a more permanent foundation? • What is the likely role of the DOE and the EPA in the future growth of the industry? • When will capital market support return?
11.45am – 12.00pm	Collect boxed lunch
12.00pm – 4.30pm	Activities – Ski / Snowboard Vail with Vail guides Phil and Steve Mahre Snowmobile
6.30pm – 9.30pm	Offsite Dinner – Saddleridge, Beaver Creek

Monday March 28, 2011 – Parallel Session "B" Unregulated and Commodity Markets

TIME	SESSION
7.00am	Breakfast
7.20am – 7.30am	Introduction and Welcome
7.30am – 8.30am	Macro-economic Outlook
8.30am – 9.30am	Keynote: Financial Regulatory Reform Update. Highlight the key aspects of the Dodd-Frank Act of 2010, sharing his interpretation of the CFTC and regulatory rulings that are currently being issued and its implications for participants in trading in US energy and emission markets.
9.45am – 10.30am	Financial Regulatory Reform Panel Who's Who in the Dodd-Frank Zoo? Dodd-Frank has many objectives, but one that impacts all trading markets include the reclassification of all participants. Acronyms abound, but the rules associated with each classification throw off significant capital, activity and regulatory obligation. This panel brings together representatives of each new classification and will explain and explore the opportunities and challenges that face them and the industry as a whole.
10.30am – 11.00am	Coffee Break
11.00am – 11.45am	Variability & Physical Asset Attributes: Risk mitigation and monetization strategies

	As M&A activity picks up across utilities, IPPs, retail electricity providers and renewable businesses, presentation will showcase asset finance alternatives that Macquarie Energy can offer.
11.45am – 12.00pm	Collect boxed lunch
12.00pm – 4.30pm	Activities – Ski / Snowboard Vail with the Mahre Brothers. Snowmobile
6.00pm – 9.30pm	Offsite Dinner – Game Creek Lodge Game Creek Lodge is located at the top of Vail Mountain accessible via gondola and private snowcat. Winter attire recommended.

Tuesday March 29, 2011 – Centennial Ballroom

TIME	SESSION
6.30am	Breakfast
7.00am – 8.00am	**Regulators Round Table Breakfast** **Should Regulators Lead or Follow?;** • Clean Energy or RPS? • Technology innovation • Growth, renewal and interconnection • Energy efficiency – balancing the Interests of utilities, customers and policy
8.00am – 8.30am	The Role of Policy Initiatives in Stimulating Capital Expenditures in the Energy Sector
8.30am – 9.45am Panel 5	**Commodities Outlook** • Oil and weather • Natural gas • Power
9.45am – 10.30am Panel 6	**The Changing Gas Dynamic – Implications for Energy Delivery Infrastructure** • Is gas a bridge fuel or a permanent solution to a more carbon friendly world? • Is Energy Policy aligned with the new gas supply paradigm? • What are the infrastructure needs to bring new commodity fuels to market? • What are the challenges for infrastructure build-out including capital availability? • How will the current electric and gas transmission grids change?
10.30am – 10.45am	Coffee Break
10.45am – 11.45am Panel 7	**Capital Markets and Risk Management-- Balancing Stability and Liquidity** • Capital Markets forecast-- Bull vs Bear case? • Prospects for capital availability and liquidity? • Risk management -- strategies and investor sentiment? • Will equity markets support pure play renewable capacity owners? • Prospects for private capital formation and investment in energy infrastructure? • Managing growth in a volatile market environment?
11.45am – 12.00pm	Wrap up and collect boxed lunch
12.30pm – 4.00pm	Activities – Ski / Snowboard Vail with Vail guides. Snowmobile
4.00pm – 7.00pm	Apre Ski Larkspur, Vail Village
Dinner	Time at leisure for networking

Wednesday March 30, 2011

TIME	SESSION

6.00am – 8.00am	Farewell Breakfast

From:	Peter Kind (MacCap Advisers) on behalf of Laura Ozuna (MacCap Advisors)
To:	tas@cpuc.ca.gov; robert_curry@dps.state.ny.us
Sent:	3/10/2011 1:59:03 PM
Subject:	Macquarie Vail Conference Panelist Preparation Conference Call re-- Panel 2A: "Does Utility Regulation Support Value Creation and Economic Growth"

Based on my prior email, March 18th was the best time for the majority of the Panelist group. If you can not participate at that time, please let me know and we can schedule a private call to discuss.

When: Friday, March 18

Time: 11:00 AM - 12:00 PM

Dial in: 1-866-741-6174

Participant: 81934396

Panel Logistics: Monday, March 28, 2011 at 8:30 to 9:30amMT

Vail Cascade Resort, Vail Colorado

Format of Panel: Moderated Q and A

Moderator: Peter Kind, Macquarie Capital

Confirmed Panelists: Commissioner Robert Curry, NY PSC

Commissioner Timothy Simon, California PUC

Jim Torgerson, CEO UIL Corp

Robert Shapard, CEO Oncor Energy

Stephan Haynes, VP-Strategic Initiatives and CRO AEP

Angie Storozynski, Macquarie Securities

Panel 2A: Does Utility Regulation Support Value Creation and Economic Growth?

Examples of Topics to be Raised for Discussion:

Why has regulatory lag increased since 2007 and what are future prospects for Earned ROE's?

Experience with trackers, decoupling and lag mitigation mechanisms?

Pro and Cons of non-traditional rate mechanisms?

Impact of Non-traditional rate mechanism on IPP's and Renewables?

Is regulated growth accretive to value creation?

Does CofS Model achieve policy objectives and support economic growth?

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without notice.

From: Angie Storozynski (Macquarie Securities)
To: jovita.chan@cpuc.ca.gov
Sent: 3/10/2011 11:11:28 PM
Subject: March 14th

Hi Jovi

Hope all is well. If you recall we are vesting the CPUC on March 14th. We are scheduled to meet with Comm. Florio at 3:00pm and then Executive Director Clanon. I was just wondering if Comm. Sandoval is feeling better. I understand that most likely she will not be present at the CPUC on March 14th, but would it be possible to have a 10-minute call with her on that day? The investors we are bringing are really hoping to hear from Comm. Sandoval. Please let me know if that would be possible.

I will call you on Friday.

Thanks
Angie

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

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From: Angie Storozynski (Macquarie Securities)
To: Madrigal, Anna-Marie
Sent: 3/10/2011 11:16:23 PM
Subject: RE: Meeting Request - March 14th 2011

Hi Anna-Marie

Thank you again for scheduling our meeting with Paul on March 14th at 4:15pm. Below please see a list of investors that will attend our meeting. Let me know if Paul or you have any questions. You can reach me via email or on my cell phone: 646 575 5761.

Thanks again
Angie

Firm Name	First Name	Last Name
ARC ASSET MANAGEMENT, LDN	Rolan	Stikovas
CAPITAL GROUP-CAPITAL INTERNATIONAL (CGII)	Keziah	Robinson
CARLSON CAPITAL, DALLAS	Stephen	Huang
CLEARBRIDGE ADVISORS, NY	Tatiana	Thibodeau
EATON VANCE	Jeremiah	Casey
FRANKLIN IM, SAN MATEO	John	Kohli
FRANKLIN IM, SAN MATEO	Blair	Schmicker
GREEN ARROW CAPITAL MANAGEMENT	Tom	O'Neill
JP MORGAN ASSET MANAGEMENT	Leslie	Rich
LEVIN CAPITAL STRATEGIES, NY	Neil	Stein
LONGBOW CAPITAL PARTNERS, NY	Eric	Selmon
LUMINUS MANAGEMENT	Michael	Goldenberg
NUVEEN	Jagdeep	Ghuman
PUTNAM INVESTMENTS, BOSTON	Michael	Yogg
RIVERSOURCE INVESTMENTS	Larry	Alberts
SAC CAPITAL ADVISORS, NY	Neil	Choi
STEEL RIVER PARTNERS	Jason	Boyle
T ROWE PRICE, BALTIMORE	Ryan	Burgess
UBS O'CONNOR	John	Quackenbush

Angie Storozynski
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US Utilities and Alternative Energy
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angie.storozynski@macquarie.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 04, 2011 1:50 PM
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Thank you,
Anna-Marie

Anna-Marie Madrigal
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O: 415.703.1636
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From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 04, 2011 10:08 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie
Subject: Meeting Request - March 14th 2011

Dear Mr. Clanon,

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York.

We are visiting the CPUC on March 14th for a meeting with Commissioner Florio and representatives of 20 large investment funds, including T. Rowe Price, Franklin Templeton, and Capital Group. Our meeting should end around 4:00 or 4:15pm, and we would be honored if you could meet with us around 4:00pm for up to 30 minutes. Interest in California regulatory developments is extremely high, as we already have about 15 investors from some of the largest funds across the country willing to travel to San Francisco for this event.

I am currently traveling in Europe, and will follow up with a phone call on Monday. Thank you very much for your consideration.

Kind regards,

Angie Storozynski

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

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From: Angie Storozynski (Macquarie Securities)
To: ernesto.melendez@cpuc.ca.gov
Sent: 3/10/2011 11:28:29 PM
Subject: Meeting with Commissioner Florio on March 14th at 3:00pm

Hi Ernie

Hope all is well. Just wanted to make sure we are all set for our meeting with Comm. Florio on March 14th at 3:00pm at the CPUC. Below please find a list of investors that will attend the meeting. Please let me know if you have any questions by responding to this email or by calling me on my cell phone: 646 575 5761

I look forward to meeting you in person.

Kind regards
Angie

Firm Name	First Name	Last Name
ARC ASSET MANAGEMENT, LDN	Rolan	Stikovas
CAPITAL GROUP-CAPITAL INTERNATIONAL (CGII)	Keziah	Robinson
CARLSON CAPITAL, DALLAS	Stephen	Huang
CLEARBRIDGE ADVISORS, NY	Tatiana	Thibodeau
EATON VANCE	Jeremiah	Casey
FRANKLIN IM, SAN MATEO	John	Kohli
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From: Chan, Jovita
To: Angie Storozynski (Macquarie Securities)
Sent: 3/11/2011 11:49:52 AM
Subject: RE: March 14th

Hello Angie,

Commissioner Sandoval would be able to have a 10-minute teleconf call with the investors on Monday, March 14th. Please let me know what time?
Thank you for you time and understanding.
Regards,
Jovie

Jovita Aguirre Chan
Administrative Assistant
Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Phone: 415-703-2593; email: jac@cpuc.ca.gov

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:11 PM
To: Chan, Jovita
Subject: March 14th

Hi Jovi

Hope all is well. If you recall we are vesting the CPUC on March 14th. We are scheduled to meet with Comm. Florio at 3:00pm and then Executive Director Clanon. I was just wondering if Comm. Sandoval is feeling better. I understand that most likely she will not be present at the CPUC on March 14th, but would it be possible to have a 10-minute call with her on that day? The investors we are bringing are really hoping to hear from Comm. Sandoval. Please let me know if that would be possible.

I will call you on Friday.

Thanks
Angie

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From: Angie Storozynski (Macquarie Securities)
To: jovita.chan@cpuc.ca.gov; Cleo Zagrean (Macquarie Securities)
Sent: 3/11/2011 12:10:44 PM
Subject: Re: March 14th

Jovie

That's terrific! Here is our current schedule. Our meeting with Comm. Florio is from 3pm to 4pm and our meeting with Mr. Clanon starts at 4:15pm. Could we maybe then talk to Comm. Sandoval at 4:05pm? If not maybe around 4:45pm after the Clanon meeting?
We are meeting with both gentlemen in room 5305 at the CPUC. I'm told that the room has conf call equipment and so maybe we could call from there.

Thanks again
Angie

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 11 14:49:52 2011
Subject: RE: March 14th

Hello Angie,

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Thank you for you time and understanding.
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From: Madrigal, Anna-Marie
To: Angie Storozynski (Macquarie Securities)
Sent: 3/11/2011 12:35:07 PM
Subject: RE: Meeting Request - March 14th 2011

Hi Angie--
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He will not be in the office Monday through Wednesday. I do apologize for this late notice.

I would happy to set up another meeting, should your schedules allow and if you are available Thursday or Friday afternoon.

Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:16 PM
To: Madrigal, Anna-Marie
Subject: RE: Meeting Request - March 14th 2011

Hi Anna-Marie

Thank you again for scheduling our meeting with Paul on March 14th at 4:15pm. Below please see a list of investors that will attend our meeting. Let me know if Paul or you have any questions. You can reach me via email or on my cell phone: 646 575 5761.

Thanks again
Angie

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Sent: Friday, March 04, 2011 1:50 PM
To: Angie Storozynski (Macquarie Securities)
Subject: RE: Meeting Request - March 14th 2011

Dear Ms. Storozynski,
I would be happy to schedule Paul at 4:15 to meet with your group. I will put this on his calendar.
Thank you,
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From: Angie Storozynski (Macquarie Securities)
To: anna-marie.madrigal@cpuc.ca.gov; Cleo Zagrean (Macquarie Securities)
Sent: 3/11/2011 12:57:42 PM
Subject: Re: Meeting Request - March 14th 2011

Anna-Marie

We are in San Francisco only for two days: March 14th and 15th. Any chance he would be available for a call on Monday or Tuesday? Even 15 minutes would be enough for us.

Thanks
Angie

From: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 11 15:35:07 2011
Subject: RE: Meeting Request - March 14th 2011

Hi Angie--
Thank you for the list. Unfortunately, Paul has been called by our President to accompany him to an urgent meeting outside of the PUC from the Governor's office.
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Hi Anna-Marie

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Thanks again
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Sent: Friday, March 04, 2011 1:50 PM
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Dear Ms. Storozynski,
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Thank you,
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Sent: 3/11/2011 1:12:53 PM
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Another thought. How about a conf call on Tuesday morning around breakfast?
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From: Madrigal, Anna-Marie
To: Angie Storozynski (Macquarie Securities)
CC: Madrigal, Anna-Marie
Sent: 3/11/2011 2:24:29 PM
Subject: RE: Meeting Request - March 14th 2011

I have passed this option on and will see if this works. He will need to travel that day and I am not sure his departure time.

Thank you

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 11, 2011 1:13 PM
To: Madrigal, Anna-Marie
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T ROWE PRICE, BALTIMORE	Ryan	Burgess
UBS O'CONNOR	John	Quackenbush

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 04, 2011 1:50 PM
To: Angie Storozynski (Macquarie Securities)
Subject: RE: Meeting Request - March 14th 2011

Dear Ms. Storozynski,
I would be happy to schedule Paul at 4:15 to meet with your group. I will put this on his calendar.
Thank you,
Anna-Marie

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]

Sent: Friday, March 04, 2011 10:08 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie
Subject: Meeting Request - March 14th 2011

Dear Mr. Clanon,

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York.

We are visiting the CPUC on March 14th for a meeting with Commissioner Florio and representatives of 20 large investment funds, including T. Rowe Price, Franklin Templeton, and Capital Group. Our meeting should end around 4:00 or 4:15pm, and we would be honored if you could meet with us around 4:00pm for up to 30 minutes. Interest in California regulatory developments is extremely high, as we already have about 15 investors from some of the largest funds across the country willing to travel to San Francisco for this event.

I am currently traveling in Europe, and will follow up with a phone call on Monday. Thank you very much for your consideration.

Kind regards,

Angie Storozynski

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From: Angie Storozynski (Macquarie Securities)
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 3/11/2011 2:35:30 PM
Subject: Re: Meeting Request - March 14th 2011

I understand. Fingers crossed.

From: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Cc: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
Sent: Fri Mar 11 17:24:29 2011
Subject: RE: Meeting Request - March 14th 2011

I have passed this option on and will see if this works. He will need to travel that day and I am not sure his departure time.

Thank you

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 11, 2011 1:13 PM
To: Madrigal, Anna-Marie
Subject: Re: Meeting Request - March 14th 2011

Another thought. How about a conf call on Tuesday morning around breakfast?
I know it's tough given Paul's schedule, but even 15 minutes would be greatly appreciated.
Thanks
Angie

From: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 11 15:35:07 2011
Subject: RE: Meeting Request - March 14th 2011

Hi Angie--
Thank you for the list. Unfortunately, Paul has been called by our President to accompany him to an urgent meeting outside of the PUC from the Governor's office.
He will not be in the office Monday through Wednesday. I do apologize for this late notice.

I would happy to set up another meeting, should your schedules allow and if you are available Thursday or Friday afternoon.

Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
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San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:16 PM
To: Madrigal, Anna-Marie
Subject: RE: Meeting Request - March 14th 2011

Hi Anna-Marie

Thank you again for scheduling our meeting with Paul on March 14th at 4:15pm. Below please see a list of investors that will attend our meeting. Let me know if Paul or you have any questions. You can reach me via email or on my cell phone: 646 575 5761.

Thanks again
Angie

Firm Name	First Name	Last Name
ARC ASSET MANAGEMENT, LDN	Rolan	Stikovas
CAPITAL GROUP-CAPITAL INTERNATIONAL (CGII)	Keziah	Robinson
CARLSON CAPITAL, DALLAS	Stephen	Huang
CLEARBRIDGE ADVISORS, NY	Tatiana	Thibodeau
EATON VANCE	Jeremiah	Casey
FRANKLIN IM, SAN MATEO	John	Kohli
FRANKLIN IM, SAN MATEO	Blair	Schmicker
GREEN ARROW CAPITAL MANAGEMENT	Tom	O'Neill
JP MORGAN ASSET MANAGEMENT	Leslie	Rich
LEVIN CAPITAL STRATEGIES, NY	Neil	Stein
LONGBOW CAPITAL PARTNERS, NY	Eric	Selmon
LUMINUS MANAGEMENT	Michael	Goldenberg
NUVEEN	Jagdeep	Ghuman
PUTNAM INVESTMENTS, BOSTON	Michael	Yogg
RIVERSOURCE INVESTMENTS	Larry	Alberts
SAC CAPITAL ADVISORS, NY	Neil	Choi
STEEL RIVER PARTNERS	Jason	Boyle
T ROWE PRICE, BALTIMORE	Ryan	Burgess
UBS O'CONNOR	John	Quackenbush

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Subject: RE: Meeting Request - March 14th 2011

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From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 04, 2011 10:08 AM
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Subject: Meeting Request - March 14th 2011

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Kind regards,

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From: Angie Storozynski (Macquarie Securities)
To: jovita.chan@cpuc.ca.gov
Sent: 3/14/2011 2:06:00 PM
Subject: Re: March 14th

Hello Jovie

We have just landed in San Francisco. Do you know what time Comm. Sandoval is available to talk to us? As a reminder, we are meeting with Comm. Florio at 3:00pm and hope to talk to Comm. Sandoval some time between 4:00 and 5;00pm. We will need your assistance:
- to manage our meeting with Comm. Florio, ie we simpy need to know when to end in time for our call with Comm. Sandoval;
- to dial Comm. Sandoval's phone number.

My cell phone is 6465755761 of you need to get in touch with me.

Thanks
Angie

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 11 15:49:52 2011
Subject: RE: March 14th

Hello Angie,

Commissioner Sandoval would be able to have a 10-minute teleconf call with the investors on Monday, March 14th. Please let me know what time?
Thank you for you time and understanding.
Regards,
Jovie

Jovita Aguirre Chan
Administrative Assistant
Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Phone: 415-703-2593; email: jac@cpuc.ca.gov

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:11 PM
To: Chan, Jovita
Subject: March 14th

Hi Jovi

Hope all is well. If you recall we are vesting the CPUC on March 14th. We are scheduled to meet with Comm. Florio at 3:00pm and then Executive Director Clanon. I was just wondering if Comm. Sandoval is feeling better. I understand that most likely she will not be present at the CPUC on March 14th, but would it be possible to have a 10-minute call with her on that day? The investors we are bringing are really hoping to hear from Comm. Sandoval. Please let me know if that would be possible.

I will call you on Friday.

Thanks
Angie

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From: Angie Storozynski (Macquarie Securities)
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 3/14/2011 2:07:52 PM
Subject: Re: Meeting Request - March 14th 2011

Hi Anna-Marie

Any updates from Paul regarding his availability to talk to us today or tomorrow?

We've just landed in San Francisco. If you'd like to call me, my cell phone is 646 575 5761.

Thanks a lot for your help
Angie

From: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 11 16:35:07 2011
Subject: RE: Meeting Request - March 14th 2011

Hi Angie--
Thank you for the list. Unfortunately, Paul has been called by our President to accompany him to an urgent meeting outside of the PUC from the Governor's office.
He will not be in the office Monday through Wednesday. I do apologize for this late notice.

I would happy to set up another meeting, should your schedules allow and if you are available Thursday or Friday afternoon.

Thank you,

Anna-Marie Madrigal
Executive Director's Office
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San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

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Sent: Thursday, March 10, 2011 11:16 PM
To: Madrigal, Anna-Marie
Subject: RE: Meeting Request - March 14th 2011

Hi Anna-Marie

Thank you again for scheduling our meeting with Paul on March 14th at 4:15pm. Below please see a list of investors that will attend our meeting. Let me know if Paul or you have any questions. You can reach me via email or on my cell phone: 646 575 5761.

Thanks again
Angie

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CAPITAL GROUP-CAPITAL INTERNATIONAL (CGII)	Keziah	Robinson

CARLSON CAPITAL, DALLAS	Stephen	Huang
CLEARBRIDGE ADVISORS, NY	Tatiana	Thibodeau
EATON VANCE	Jeremiah	Casey
FRANKLIN IM, SAN MATEO	John	Kohli
FRANKLIN IM, SAN MATEO	Blair	Schmicker
GREEN ARROW CAPITAL MANAGEMENT	Tom	O'Neill
JP MORGAN ASSET MANAGEMENT	Leslie	Rich
LEVIN CAPITAL STRATEGIES, NY	Neil	Stein
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NUVEEN	Jagdeep	Ghuman
PUTNAM INVESTMENTS, BOSTON	Michael	Yogg
RIVERSOURCE INVESTMENTS	Larry	Alberts
SAC CAPITAL ADVISORS, NY	Neil	Choi
STEEL RIVER PARTNERS	Jason	Boyle
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Sent: Friday, March 04, 2011 1:50 PM
To: Angie Storozynski (Macquarie Securities)
Subject: RE: Meeting Request - March 14th 2011

Dear Ms. Storozynski,
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F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 04, 2011 10:08 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie
Subject: Meeting Request - March 14th 2011

Dear Mr. Clanon,

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York.

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From: Chan, Jovita
To: Angie Storozynski (Macquarie Securities)
Sent: 3/14/2011 2:08:29 PM
Subject: RE: March 14th at 4:30 pm

Angie,
I'll set up the teleconf call at 4:30 pm for 10 minutes.

From: Chan, Jovita
Sent: Friday, March 11, 2011 11:50 AM
To: 'Angie Storozynski (Macquarie Securities)'
Subject: RE: March 14th

Hello Angie,

Commissioner Sandoval would be able to have a 10-minute teleconf call with the investors on Monday, March 14th. Please let me know what time?
Thank you for you time and understanding.
Regards,
Jovie

Jovita Aguirre Chan
Administrative Assistant
Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Phone: 415-703-2593; email: jac@cpuc.ca.gov

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:11 PM
To: Chan, Jovita
Subject: March 14th

Hi Jovi

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I will call you on Friday.

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From: Angie Storozynski (Macquarie Securities)
To: jovita.chan@cpuc.ca.gov
Sent: 3/14/2011 2:12:47 PM
Subject: Re: March 14th at 4:30 pm

Perfect. Could we have it in the same room we are meeting with Comm. Florio? I forget the room number, but it starts with 5. I will follow up with you shortly.
Angie

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Mon Mar 14 17:08:29 2011
Subject: RE: March 14th at 4:30 pm

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I'll set up the teleconf call at 4:30 pm for 10 minutes.

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From: Chan, Jovita
To: Angie Storozynski (Macquarie Securities)
Sent: 3/14/2011 2:13:55 PM
Subject: RE: March 14th at 4:30 pm

Sure. Thanks.

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 2:13 PM
To: Chan, Jovita
Subject: Re: March 14th at 4:30 pm

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From:	Angie Storozynski (Macquarie Securities)
To:	jovita.chan@cpuc.ca.gov
Sent:	3/14/2011 2:41:12 PM
Subject:	Re: March 14th at 4:30 pm

Our room number is 5305 or at least that's where we were booked.

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Mon Mar 14 17:13:55 2011
Subject: RE: March 14th at 4:30 pm

Sure. Thanks.

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 2:13 PM
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US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

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From: Chan, Jovita
To: Angie Storozynski (Macquarie Securities)
Sent: 3/14/2011 3:13:58 PM
Subject: RE: March 14th at 4:30 pm

Yes, thank you.

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 2:41 PM
To: Chan, Jovita
Subject: Re: March 14th at 4:30 pm

Our room number is 5305 or at least that's where we were booked.

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Mon Mar 14 17:13:55 2011
Subject: RE: March 14th at 4:30 pm

Sure. Thanks.

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 2:13 PM
To: Chan, Jovita
Subject: Re: March 14th at 4:30 pm

Perfect. Could we have it in the same room we are meeting with Comm. Florio? I forget the room number, but it starts with 5. I will follow up with you shortly.
Angie

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Mon Mar 14 17:08:29 2011
Subject: RE: March 14th at 4:30 pm

Angie,
I'll set up the teleconf call at 4:30 pm for 10 minutes.

From: Chan, Jovita
Sent: Friday, March 11, 2011 11:50 AM
To: 'Angie Storozynski (Macquarie Securities)'
Subject: RE: March 14th

Hello Angie,

Commissioner Sandoval would be able to have a 10-minute teleconf call with the investors on Monday, March 14th. Please let me know what time?

Thank you for you time and understanding.
Regards,
Jovie

Jovita Aguirre Chan
Administrative Assistant
Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Phone: 415-703-2593; email: jac@cpuc.ca.gov

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:11 PM
To: Chan, Jovita
Subject: March 14th

Hi Jovi

Hope all is well. If you recall we are vesting the CPUC on March 14th. We are scheduled to meet with Comm. Florio at 3:00pm and then Executive Director Clanon. I was just wondering if Comm. Sandoval is feeling better. I understand that most likely she will not be present at the CPUC on March 14th, but would it be possible to have a 10-minute call with her on that day? The investors we are bringing are really hoping to hear from Comm. Sandoval. Please let me know if that would be possible.

I will call you on Friday.

Thanks
Angie

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From: Fernandez, Cristine
To: angie.storozynski@macquarie.com
Sent: 3/14/2011 3:17:06 PM
Subject: Agenda for Commissioner Timothy Simon for March 15th...

Can you please send me via e-mail his agenda with time frame for this event? Thank you.

Cristine Fernandez, Assistant to
Commissioner Timothy Alan Simon
California Public Utilities Commission
Tel. (415) 703-2531
Fax (415) 703-1294

From: Madrigal, Anna-Marie
To: Angie Storozynski (Macquarie Securities)
Sent: 3/14/2011 3:26:06 PM
Subject: RE: Meeting Request - March 14th 2011

Hi Angie--
Today Paul is out of the office today, but did email me and said tomorrow he would be available by phone in the afternoon, around 3:30pm if that would work.

Please let me know. I understand you are here in the office and if you'd like, you can stop by to discuss in person after your meeting today.
I look forward to speaking with you.
Cheers,
Anna-Marie

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 2:08 PM
To: Madrigal, Anna-Marie
Subject: Re: Meeting Request - March 14th 2011

Hi Anna-Marie

Any updates from Paul regarding his availability to talk to us today or tomorrow?

We've just landed in San Francisco. If you'd like to call me, my cell phone is 646 575 5761.

Thanks a lot for your help
Angie

From: Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Fri Mar 11 16:35:07 2011
Subject: RE: Meeting Request - March 14th 2011

Hi Angie--
Thank you for the list. Unfortunately, Paul has been called by our President to accompany him to an urgent meeting outside of the PUC from the Governor's office.
He will not be in the office Monday through Wednesday. I do apologize for this late notice.

I would happy to set up another meeting, should your schedules allow and if you are available Thursday or Friday afternoon.

Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:16 PM
To: Madrigal, Anna-Marie

Subject: RE: Meeting Request - March 14th 2011

Hi Anna-Marie

Thank you again for scheduling our meeting with Paul on March 14th at 4:15pm. Below please see a list of investors that will attend our meeting. Let me know if Paul or you have any questions. You can reach me via email or on my cell phone: 646 575 5761.

Thanks again
Angie

Firm Name	First Name	Last Name
ARC ASSET MANAGEMENT, LDN	Rolan	Stikovas
CAPITAL GROUP-CAPITAL INTERNATIONAL (CGII)	Keziah	Robinson
CARLSON CAPITAL, DALLAS	Stephen	Huang
CLEARBRIDGE ADVISORS, NY	Tatiana	Thibodeau
EATON VANCE	Jeremiah	Casey
FRANKLIN IM, SAN MATEO	John	Kohli
FRANKLIN IM, SAN MATEO	Blair	Schmicker
GREEN ARROW CAPITAL MANAGEMENT	Tom	O'Neill
JP MORGAN ASSET MANAGEMENT	Leslie	Rich
LEVIN CAPITAL STRATEGIES, NY	Neil	Stein
LONGBOW CAPITAL PARTNERS, NY	Eric	Selmon
LUMINUS MANAGEMENT	Michael	Goldenberg
NUVEEN	Jagdeep	Ghuman
PUTNAM INVESTMENTS, BOSTON	Michael	Yogg
RIVERSOURCE INVESTMENTS	Larry	Alberts
SAC CAPITAL ADVISORS, NY	Neil	Choi
STEEL RIVER PARTNERS	Jason	Boyle
T ROWE PRICE, BALTIMORE	Ryan	Burgess
UBS O'CONNOR	John	Quackenbush

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angie.storozynski@macquarie.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 04, 2011 1:50 PM
To: Angie Storozynski (Macquarie Securities)
Subject: RE: Meeting Request - March 14th 2011

Dear Ms. Storozynski,
I would be happy to schedule Paul at 4:15 to meet with your group. I will put this on his calendar.
Thank you,
Anna-Marie

Anna-Marie Madrigal
Executive Director's Office

California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 04, 2011 10:08 AM
To: Clanon, Paul
Cc: Madrigal, Anna-Marie
Subject: Meeting Request - March 14th 2011

Dear Mr. Clanon,

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York.

We are visiting the CPUC on March 14th for a meeting with Commissioner Florio and representatives of 20 large investment funds, including T. Rowe Price, Franklin Templeton, and Capital Group. Our meeting should end around 4:00 or 4:15pm, and we would be honored if you could meet with us around 4:00pm for up to 30 minutes. Interest in California regulatory developments is extremely high, as we already have about 15 investors from some of the largest funds across the country willing to travel to San Francisco for this event.

I am currently traveling in Europe, and will follow up with a phone call on Monday. Thank you very much for your consideration.

Kind regards,

Angie Storozynski

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
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From: Angie Storozynski (Macquarie Securities)
To: jovita.chan@cpuc.ca.gov
Sent: 3/14/2011 4:24:54 PM
Subject: Re: March 14th at 4:30 pm

Hi Jovie

We are in the room with Commissioner Florio, but we are ready for a call with Commissioner Sandoval at 4:30pm. Please come in and interrupt us otherwise we will never finish.

Thanks
Angie

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
To: Angie Storozynski (Macquarie Securities)
Sent: Mon Mar 14 18:13:58 2011
Subject: RE: March 14th at 4:30 pm

Yes, thank you.

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 2:41 PM
To: Chan, Jovita
Subject: Re: March 14th at 4:30 pm

Our room number is 5305 or at least that's where we were booked.

From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
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Sent: Mon Mar 14 17:13:55 2011
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Sent: Monday, March 14, 2011 2:13 PM
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Subject: Re: March 14th at 4:30 pm

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Sent: Mon Mar 14 17:08:29 2011

Subject: RE: March 14th at 4:30 pm

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To: 'Angie Storozynski (Macquarie Securities)'
Subject: RE: March 14th

Hello Angie,

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Thank you for you time and understanding.
Regards,
Jovie

Jovita Aguirre Chan
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California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Phone: 415-703-2593; email: jac@cpuc.ca.gov

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Thursday, March 10, 2011 11:11 PM
To: Chan, Jovita
Subject: March 14th

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From: Chan, Jovita
To: Angie Storozynski (Macquarie Securities)
Sent: 3/14/2011 4:26:33 PM
Subject: RE: March 14th at 4:30 pm

I'm on my way. Thanks.

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Monday, March 14, 2011 4:25 PM
To: Chan, Jovita
Subject: Re: March 14th at 4:30 pm

Hi Jovie

We are in the room with Commissioner Florio, but we are ready for a call with Commissioner Sandoval at 4:30pm. Please come in and interrupt us otherwise we will never finish.

Thanks
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From: Chan, Jovita <jovita.chan@cpuc.ca.gov>
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Jovita Aguirre Chan
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Office of Commissioner Catherine J.K. Sandoval
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Phone: 415-703-2593; email: jac@cpuc.ca.gov

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From:	Alan James (MacCap Advisors) on behalf of Alisa Zammit (MacCap Advisors)
To:	mnardis@msn.com; Kerri.Schnase@ferc.gov; barry.smitherman@puc.state.tx.us; raislerk@sullcrom.com; tas@cpuc.ca.gov; timothy.simon@cpuc.ca.gov; robert_curry@dps.state.ny.us; ron.binz@dora.state.co.us; robert.clayton@psc.mo.gov
CC:	Alisa Zammit (MacCap Advisors); rwgee@geestrategies.com
Sent:	3/15/2011 4:14:24 PM
Subject:	Macquarie's Seventh Annual Utilities, Power and Gas Conference

Good afternoon all,

Thank you for agreeing to participate in our upcoming Utilities Power and Gas Conference, being held in Vail Colorado March 27 - 29. I would like to organise a call for next week to briefly discuss content and logistics for the panel discussion you are participating in, entitled "Regulators Roundtable Breakfast - Should Regulators Lead or Follow?", being held on Tuesday March 29, 7.00am - 8.00am.

Some suggested talking points on the panel are:

- Clean Energy or RPS?
- Technology innovation
- Growth, renewal and interconnection
- Energy efficiency – balancing the Interests of utilities, customers and policy

Can you please let me know your availability for March 21 - 25 for this call.

Best regards,

Alan

Macquarie Capital (USA) Inc.

Yours sincerely,
Alan W. James
Senior Managing Director

Direct + 1 212 231 1735
Cell +1 646 220 6943
Facsimile + 1 212 231 1718
Email Alan.james@macquarie.com

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From: Angie Storozynski (Macquarie Securities)
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 3/16/2011 7:43:12 AM
Subject: Thank you

Anna-Marie

I'm sorry that we never managed to meet or talk to Paul. Our flights to NY/Boston/Chicago left around 3:00pm PT and that's why we were not available for a call around 4:00pm your time.

Anyway, I really appreciate your willingness to set up a meeting and hopefully we will meet with Paul next time we are in San Francisco.

Thanks again
Angie

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From: Angie Storozynski (Macquarie Securities)
To: jovita.chan@cpuc.ca.gov
Sent: 3/16/2011 7:46:36 AM
Subject: Thank you!

Jovie

Thank you so much for setting up our conference call with Commissioner Sandoval. I'm extremely grateful and our investors found the discussion very valuable and informative.

Thanks again for all your help.

Much appreciated
Angie

Angie Storozynski
Managing Director, Equity Research
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From: Chan, Jovita
To: Angie Storozynski (Macquarie Securities)
Sent: 3/16/2011 8:19:37 AM
Subject: RE: Thank you!

You're very welcome Angie.
Thank you and take care.
Regards,
Jovie

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Wednesday, March 16, 2011 7:47 AM
To: Chan, Jovita
Subject: Thank you!

Jovie

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Thanks again for all your help.

Much appreciated
Angie

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From: Madrigal, Anna-Marie
To: Angie Storozynski (Macquarie Securities)
Sent: 3/16/2011 10:31:23 AM
Subject: RE: Thank you

Hi Angie--
I'm so sorry you were not able to meet. Please let me know if there anything else I can do for you.
Please do let us know where you are back in SF or anytime if you would like to conference call with Paul.
--Anna-Marie
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Wednesday, March 16, 2011 7:43 AM
To: Madrigal, Anna-Marie
Subject: Thank you

Anna-Marie

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Thanks again
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From: Fernandez, Cristine
To: rwgee@geestrategies.com; Alisa.Zammit@macquarie.com
CC: Koss, Kenneth L.
Sent: 3/16/2011 1:06:34 PM
Subject: FW: Ticketed itinerary for Commissioner TIMOTHY ALAN SIMON on 3/27/11 to Vail
Attachments: ItineraryDENRED_16MAR.pdf

Attached is Commissioner Simon itinerary. Please send us the information of the shuttle provider for pick-up at the airport for Commissioner Simon. Thanks again!

From: Emily Agosta: [mailto:emily.a@caltravelstore.com]
Sent: Wednesday, March 16, 2011 11:15 AM
To: Fernandez, Cristine; Simon, Timothy A.
Subject: Ticketed itinerary for TIMOTHY ALAN SIMON on 3/27/11 to Vail

TravelStore/Caltravelstore
707 3rd Street
MS 600
West Sacramento, CA 95606
Ph: 916-376-3989
Fx: 916-376-3999

Wednesday, 16MAR 2011 02:11 PM EDT

Passengers: **TIMOTHY ALAN SIMON (0124-30010)**

Agency Reference Number: DENRED
Agent: Emily Agosta emily.a@caltravelstore.com
Agent Direct Phone: 916-376-3980

Click here to view your itinerary or ETicket receipt.

Be sure to visit our website for additional travel information.

Please review the itinerary below for accuracy and verify that names appear exactly as on photo ID or passport. Contact our office within 24 hours if you notice any discrepancies.

AIR	**Sunday, 27MAR 2011**		
	United Airlines	**Flight Number**: 0144	Class: V-Coach/Economy
	From: (SFO) San Francisco CA, USA	**Depart**: 07:09 AM	
	To: (DEN) Denver CO, USA	**Arrive**: 10:48 AM	
	Stops: 0	Duration: 2 hour(s) 39 minute(s)	
	Seats: 14B	Status: CONFIRMED	Miles: 954
	Equipment: Boeing 757 200 Jet	MEAL: FOOD-BEV/PUR	
	DEPARTS SFO TERMINAL 3 Frequent Flyer Number: UA00140362247 United Airlines Confirmation number is XNJNCU		
AIR	**Sunday, 27MAR 2011**		
	United Airlines	**Flight Number**: 0311	Class: B-Coach/Economy
	From: (DEN) Denver CO, USA	**Depart**: 11:20 AM	
	To: (EGE) Vail Eagle CO, USA	**Arrive**: 12:07 PM	

	Stops: 0	Duration: 0 hour(s) 47 minute(s)	
	Seats: 20B	Status: CONFIRMED	Miles: 109
	Equipment: Airbus A320 Jet		
	Frequent Flyer Number: UA00140362247		
	United Airlines Confirmation number is XNJNCU		
AIR	**Tuesday, 29MAR 2011**		
	United Airlines	**Flight Number**: 6574	Class: H-Coach/Economy
	From: (EGE) Vail Eagle CO, USA	**Depart**: 04:05 PM	
	To: (DEN) Denver CO, USA	**Arrive**: 04:58 PM	
	Stops: 0	Duration: 0 hour(s) 53 minute(s)	
	Seats: 09B	Status: CONFIRMED	Miles: 109
	Equipment: CRJ-700 Canadair Regional Jet		
	Operated By: /UNITED EXPRESS/SKYWEST AIRLINES		
	Frequent Flyer Number: UA00140362247		
	United Airlines Confirmation number is XNJNCU		
AIR	**Tuesday, 29MAR 2011**		
	United Airlines	**Flight Number**: 0317	Class: H-Coach/Economy
	From: (DEN) Denver CO, USA	**Depart**: 05:58 PM	
	To: (IAD) Washington Dulles DC, USA	**Arrive**: 11:23 PM	
	Stops: 0	Duration: 3 hour(s) 25 minute(s)	
	Seats: 09C	Status: CONFIRMED	Miles: 1473
	Equipment: Airbus Jet	MEAL: FOOD FOR PURCHASE	
	Frequent Flyer Number: UA00140362247		
	United Airlines Confirmation number is XNJNCU		
AIR	**Friday, 1APR 2011**		
	United Airlines	**Flight Number**: 0975	Class: Y-Coach/Economy
	From: (IAD) Washington Dulles DC, USA	**Depart**: 05:15 PM	
	To: (SFO) San Francisco CA, USA	**Arrive**: 08:02 PM	
	Stops: 0	Duration: 5 hour(s) 47 minute(s)	
	Seats: 20B	Status: CONFIRMED	Miles: 2426
	Equipment: Boeing 777 Jet	MEAL: FOOD FOR PURCHASE	
	ARRIVES SFO TERMINAL 3		
	Frequent Flyer Number: UA00140362247		
	United Airlines Confirmation number is XNJNCU		
OTHER	**Wednesday, 28SEP 2011**		
	WE APPRECIATE YOUR BUSINESS		

PLEASE TAKE A MOMENT TO FILL OUT OUR CUSTOMER
SERVICE SURVEY AT WWW.SURVEYMONKEY.COM/S/N3HZHJ5
CALTRAVELSTORE PHONE NUMBER 916 376-3989
OR TOLL FREE AT 877 454-8785
CHRISTINE 415-703-1407
NO HOTELS REQUESTED ON THIS ITINERARY
NO CARS REQUESTED ON THIS ITINERARY

Ticket/Invoice Information

Passenger Name: TIMOTHY ALAN SIMON
Ticket Number: UA7964993590 Electronic Tkt: Yes Invoice Nbr: 0135980
Base: 1628.83

Tax: 168.67
Total: 1797.50
Charged to: AX**********1018

Total Tickets: 1797.50
Total Amount: 1797.50

Click here 24 hours in advance to get boarding passes on these carriers:
United

CHECK IN: It is advised you check in a minimum of 1 - 1.5 hours prior to departure for domestic flights, and 2 - 3 hours for international flights.

E-TICKETS: You must provide proper photo I.D. and flight numbers or airline confirmation number to obtain your boarding pass.

BAGGAGE: Checked baggage polices vary by airline, frequent flyer status, booking class, bag size, and weight. Fees may apply if you plan to check bags, or you plan to carry sports equipment, or an odd-shaped item, or your bag exceeds airline weight limits.

International Travel: When traveling internationally a passport or visa may be required. Please be sure to verify requirements with your agent, click here or navigate to http://travel.state.gov/travel/cis_pa_tw/cis/cis_1765.html

For After Hours Emergency Service, please call: 1-877-874-9111 and use VIT code: SRX0F
A fee applies to all emergency assistance calls and is in addition to standard processing fees.

TSA Secure Flight Program Information
Additional terms and conditions apply

TravelStore/Caltravelstore
707 3rd Street
MS 600
West Sacramento, CA 95606
Ph: 916-376-3989
Fx: 916-376-3999

Wednesday, 16MAR 2011 02:11 PM EDT

Passengers: **TIMOTHY ALAN SIMON (0124-30010)**

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Agent: Emily Agosta emily.a@caltravelstore.com
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	Stops: 0	Duration: 3 hour(s) 25 minute(s)	
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	ARRIVES SFO TERMINAL 3 Frequent Flyer Number: UA00140362247		
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CHRISTINE 415-703-1407
NO HOTELS REQUESTED ON THIS ITINERARY
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International Travel: When traveling internationally a passport or visa may be required. Please be sure to verify requirements with your agent, click here or navigate to http://travel.state.gov/travel/cis_pa_tw/cis/cis_1765.html

For After Hours Emergency Service, please call: 1-877-874-9111 and use VIT code: SRX0F
A fee applies to all emergency assistance calls and is in addition to standard processing fees.

TSA Secure Flight Program Information click here or navigate to http://www.travelstoreusa.com/tsa to review."
Additional terms and conditions apply click here or navigate to http://www.travelstoreusa.com/terms to review."

CPUC05777

From: Fernandez, Cristine
To: rwgee@geestrategies.com
CC: Alisa.Zammit@macquarie.com
Sent: 3/16/2011 1:10:38 PM
Subject: We need hotel confirmation number as well....

Also, please forward us his hotel accommodations as well. Thank you for all your help!

Cristine Fernandez, Assistant to
Commissioner Timothy Alan Simon
California Public Utilities Commission
Tel. (415) 703-2531
Fax (415) 703-1294

From:	Fernandez, Cristine
To:	Alisa.Zammit@macquarie.com; rwgee@geestrategies.com
CC:	mnardis@msn.com; Kerri.Schnase@ferc.gov; barry.smitherman@puc.state.tx.us; raislerk@sullcrom.com; Simon, Timothy A.; robert_curry@dps.state.ny.us; ron.binz@dora.state.co.us; robert.clayton@psc.mo.gov
Sent:	3/16/2011 1:28:35 PM
Subject:	Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

His Tuesday is open, so if you can narrow it down that would be good. Please let us know ASAP. Thank you

Cristine Fernandez, Assistant to
Commissioner Timothy Alan Simon
California Public Utilities Commission
Tel. (415) 703-2531
Fax (415) 703-1294

From: Alisa Zammit (MacCap Advisors)
To: Fernandez, Cristine
Sent: 3/16/2011 1:32:39 PM
Subject: RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Thank you Christine, I've only heard back from a few people but it appears that 1pm on Tuesday March 21 works, does that work for the Commissioner?

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Wednesday, March 16, 2011 4:29 PM
To: Alisa Zammit (MacCap Advisors); rwgee@geestrategies.com
Cc: mnardis@msn.com; Kerri.Schnase@ferc.gov; barry.smitherman@puc.state.tx.us; raislerk@sullcrom.com; Simon, Timothy A.; robert_curry@dps.state.ny.us; ron.binz@dora.state.co.us; robert.clayton@psc.mo.gov
Subject: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

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From:	Simon, Timothy A. on behalf of Fernandez, Cristine
To:	Koss, Kenneth L.; Phillips, Paul S.; Alisa.Zammit@macquarie.com
Sent:	3/16/2011 1:33:09 PM
Subject:	Holding for phone conference call re: Macquarie Panel Discussion
Attachments:	meeting.ics

When: Tuesday, March 22, 2011 11:30 AM-12:30 PM (GMT-08:00) Pacific Time (US & Canada).

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

Waiting to hear from others?

16010101T020000

METHOD
REQUEST

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

X-MICROSOFT-CDO-TZID
13

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

TZOFFSETTO
-0800

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=11;BYDAY=1SU

16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Holding for phone conference call re: Macquarie Panel Discussion

20110322T113000
CONFIRMED

DTSTAMP
20110316T203309Z

Start Date/Time
20110322T113000

Summary
Holding for phone conference call re: Macquarie Panel Discussion

UID
040000008200E00074C5B7101A82E00800000000A0B0AFB0DEE3CB01000000000000000
010000000985BFCC63AB7E648AE2D132938594F10

Attendee MAILTO:kenneth.koss@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:paul.phillips@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:Alisa.Zammit@macquarie.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (X-SENTBYCN="Fernandez, Cristine";SENT-BY="MAILTO)
cristine.fernand ez@cpuc.ca.gov";CN="Simon, Timothy A.":MAILTO:timothy.simon@cpuc.ca.gov

Location

End Date/Time
20110322T123000

Description
Waiting to hear from others?

Sequence Number
0

Priority
5

Categories

CREATED
20110316T203311Z

Last Modified
20110316T203311Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS

TENTATIVE

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-INTENDEDSTATUS
TENTATIVE

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1313851429

X-MICROSOFT-CDO-APPT-SEQUENCE
0

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110316T203309Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110316T203309Z

ACTION
DISPLAY

Description
REMINDER

TRIGGER (RELATED=START)
-PT00H15M00S

From:	Fernandez, Cristine
To:	Alisa Zammit (MacCap Advisors)
Sent:	3/16/2011 1:33:44 PM
Subject:	RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion
Attachments:	RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Yes, 1 o'clock CA time?

From: Alisa Zammit (MacCap Advisors)
To: Fernandez, Cristine
Sent: 3/16/2011 1:32:39 PM
Subject: RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Thank you Christine, I've only heard back from a few people but it appears that 1pm on Tuesday March 21 works, does that work for the Commissioner?

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Wednesday, March 16, 2011 4:29 PM
To: Alisa Zammit (MacCap Advisors); rwgee@geestrategies.com
Cc: mnardis@msn.com; Kerri.Schnase@ferc.gov; barry.smitherman@puc.state.tx.us; raislerk@sullcrom.com; Simon, Timothy A.; robert_curry@dps.state.ny.us; ron.binz@dora.state.co.us; robert.clayton@psc.mo.gov
Subject: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

His Tuesday is open, so if you can narrow it down that would be good. Please let us know ASAP. Thank you

Cristine Fernandez, Assistant to
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California Public Utilities Commission
Tel. (415) 703-2531
Fax (415) 703-1294

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From: Laura Ozuna (MacCap Advisors)
To: cristine.fernandez@cpuc.ca.gov
CC: Alisa Zammit (MacCap Advisors)
Sent: 3/16/2011 1:46:04 PM
Subject: CONFIRMATION - Macquarie Utilities, Power and Gas Conference, Vail, Colorado
Attachments: image001.jpg; image003.jpg

Email banner.jpg

Dear Commissioner Simon,

This is to confirm your upcoming reservation at the Seventh Annual Utilities, Power and Gas Conference, March 27 - 29, Vail, Colorado.

Your accommodation confirmation number is 40K5FT. We currently have you checking into the Vail Cascade Resort and Spa on March 27 and departing on March 29. If this is incorrect please let me know as soon as possible so we can amend your reservation.

Your transfer from Vail Eagle Airport is confirmed. Vail Eagle Airport is quite small, please look for the person holding the Macquarie sign near the baggage claim when you arrive. You'll receive a note in your hotel room prior to departure indicating what time you should be in the hotel lobby to meet your departure transfer back to Vail Eagle Airport.

Should you have any questions onsite please contact Erica Robins +1 646 886 2595 or Alisa Zammit +1 646 732 8700.

We look forward to seeing you in Vail.

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MACQUARIE
MACQUARIE'S SEVENTH ANNUAL
UTILITIES, POWER AND GAS CONFERENCE

From: Alisa Zammit (MacCap Advisors)
To: Fernandez, Cristine
Sent: 3/16/2011 2:29:42 PM
Subject: RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Im going to resend a meeting request for the time you proposed earlier. Trying to coordinate with so many diaries is proving to be near impossible!

Thanks for your help.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Wednesday, March 16, 2011 4:34 PM
To: Alisa Zammit (MacCap Advisors)
Subject: RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Yes, 1 o'clock CA time?

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From:	Alan James (MacCap Advisors) on behalf of Alisa Zammit (MacCap Advisors)
To:	mnardis@msn.com; Kerri.Schnase@ferc.gov; barry.smitherman@puc.state.tx.us; raislerk@sullcrom.com; Simon, Timothy A.; Simon, Timothy A.; robert_curry@dps.state.ny.us; ron.binz@dora.state.co.us; robert.clayton@psc.mo.gov
Sent:	3/16/2011 2:31:47 PM
Subject:	Discussion on "Regulators Roundtable Breakfast" Panel - Macquarie Utilities Power and Gas Conference
Attachments:	winmail.dat

When: Tuesday, March 22, 2011 2:30 PM-3:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Dial in details below

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*

Good afternoon all,

Trying to find a time to suit all to have this call is proving quite difficult. I propose having two calls for those who are not able to attend this call. Please decline if you are unable to and let me know an alternate time that works and I'll endeavour to find one that suits most if not all.

Suggestion discussion points for the panel are:

* Clean Energy or RPS?
* Technology innovation
* Growth, renewal and interconnection
* Energy efficiency - balancing the Interests of utilities, customers and policy

Thank you again for your assistance and participation.
Best regards,
Alisa

Dial in details are as follows:
Participant passcode: 43835003 then #

United States Toll Free 8667416174
United States Local Dial 17183541071

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Best regards,
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Participant passcode: 43835003 then #

United States Toll Free 8667416174
United States Local Dial 17183541071

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From:	Fernandez, Cristine
To:	Alisa Zammit (MacCap Advisors)
Sent:	3/16/2011 2:35:32 PM
Subject:	RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion
Attachments:	RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Don't please stop and call me directly 415-703-2531 I seen it on calendar already!

From: Alisa Zammit (MacCap Advisors)
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Subject: RE: Commissioner Timothy Simon is holding Tuesday, March 21st at 11:30 am for 1 hr. brief discussion re: Panel discussion

Yes, 1 o'clock CA time?

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From: Simon, Timothy A. on behalf of Fernandez, Cristine
To: Alan James (MacCap Advisors)
Sent: 3/16/2011 2:37:12 PM
Subject: Accepted: Discussion on "Regulators Roundtable Breakfast" Panel - Macquarie Utilities Power and Gas Conference
Attachments: meeting.ics

16010101T020000

METHOD
REPLY

PRODID
Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-08.00) Pacific Time (US & Canada)

X-MICROSOFT-CDO-TZID
13

Start Date/Time
16010101T020000

TZOFFSETFROM
-0700

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-0800

Recurrence Rule
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16010101T020000

Start Date/Time
16010101T020000

TZOFFSETFROM
-0800

TZOFFSETTO
-0700

Recurrence Rule
FREQ=YEARLY;WKST=MO;INTERVAL=1;BYMONTH=3;BYDAY=2SU

Accepted: Discussion on "Regulators Roundtable Breakfast" Panel - M acquarie Utilities Power and Gas Conference
Dial in details below
20110322T113000
TENTATIVE

DTSTAMP
20110316T213146Z

Start Date/Time
20110322T113000

Summary
Accepted: Discussion on "Regulators Roundtable Breakfast" Panel - M acquarie Utilities Power and Gas Conference

UID
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01000000099399DF6AC9A7E46A6CEBFA470A9A861

Attendee **MAILTO:timothy.simon@cpuc.ca.gov**
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER
MAILTO:Alan.James@macquarie.com

Location
Dial in details below

End Date/Time
20110322T123000

Sequence Number
0

Priority
5

Categories

CREATED
20110316T213712Z

Last Modified
20110316T213712Z

Status
TENTATIVE

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
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X-MICROSOFT-CDO-REPLYTIME
20110316T213712Z

X-MICROSOFT-CDO-INTENDEDSTATUS
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20110316T213146Z

From: Angie Storozynski (Macquarie Securities)
To: nur@cpuc.ca.gov
Sent: 3/18/2011 11:36:27 AM
Subject: Reqyest for a conference call with President Peevey
Attachments: CA Utilities 031611.pdf

Dear Ms. Gonzalez

Last month we spoke about a meeting with President Peevey and a group of investors on March 14th or 15th(please see the email below). Unfortunately President Peevey was unavailable to meet with us then, and we saw Commissioners Florio, Sandoval and Simon instead. I'm attaching a note summarizing key takeaways from those meetings. We would love to hear President Peevey's stance on many of the issues discussed in the note, especially as some investors left those meetings a little concerned. Would President Peevey be open to a conference call with our investors? We are open to your suggestions about the timing of such as a call, but the sooner the better for us.

Please let me know.

Thanks
Angie

Angie Storozynski
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From: Angie Storozynski (Macquarie Securities)
Sent: Thursday, February 10, 2011 7:02 PM
To: nur@cpuc.ca.gov
Subject: Meeting request - President Peevey - March 15th
Importance: High

Dear Ms. Gonzalez

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York. We plan to bring a small group of investors to San Francisco to meet with members of senior management from the three major investor-owned utilities on March 15th. We would really appreciate if President Peevey could attend this mini-conference as our keynote speaker at a lunch.

We have about 15 investors from some of the largest funds across the country willing to travel to San Francisco for this meeting, based on the hope that President Peevey will join us. Each of the three utilities has committed, and we would be honored if Commissioner Florio could attend as well. Macquarie also has a top-notch conference planning team that will ensure all of the logistics are taken care of.

I have attached our official meeting request form for your review, and am happy to provide additional information.

Kind regards,
Angie Storozynski

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UNITED STATES

Source:Factset, Macquarie Capital (USA), March 2011

Regulated utilities

Meetings with California regulators

Event

- Regulated earnings of EIX and PCG should grow much faster than those of peers, and their market valuations remain attractive after the recent sell-offs. We acknowledge increased risk given negative media coverage (PCG in particular), a new makeup of the CPUC and pending rate cases (EIX, PCG), but their nuclear risks are overblown. We reiterate Outperform ratings though reduce TPs.
- On 14-15 March in San Francisco we hosted meetings with Commissioners from the California Public Utilities Commission (CPUC), as well as the California ISO. We also met with managements of EIX and PCG.

Impact

- **CA remains supportive of utility capex:** Each of the three Commissioners we met described a need for high capex spending to support ambitious renewable mandates, and to ensure safe and reliable electric/gas service. Despite a weak economy and concerns over keeping customer bills reasonable, rate bases of CA utilities should see up to 10%pa growth, roughly twice the national average.
- **However, future allowed ROEs may come down:** While the Commissioners clearly have not decided future ROEs yet, a 50–100bp reduction seems likely. The Commissioners recognize the need of CA utilities to compete for funding with utilities from other states, especially given their high capex and debt imputed from PPAs, but question the higher risk of operating in CA. Importantly, we believe that equity valuations seem to already price this reduction in.
- **PG&E demonized by media; CPUC seems poised for at least a slap on the wrist:** The Commissioners acknowledged a negative bias against PG&E by a small but vocal minority of ratepayers and the local media in Northern California. Between bad press from smart meters and the San Bruno accident, the CPUC seems to be under a lot of pressure to "punish" PCG. The company is focused on improving its operations and public perception going forward, but it will take a while.
- **CA nukes well-prepared for natural disasters; crucial for electric grid:** According to the CPUC, the Cal-ISO and utility managements, EIX's and PCG's nuclear plants are well equipped to withstand earthquakes/tsunamis. As the plants are vital to maintain a reliable electric service in CA and based on statements from regulators, we do not expect problems with extensions of their useful lives currently pending for Diablo Canyon and to be filed in 2013 for San Onofre. If any additional investments are required to reinforce the plants, we expect the capex to be recoverable.

Outlook

- We continue to recommend shares of EIX and PCG, as the recent selloff has created attractive valuations even despite the elevated near-term regulatory risks.

Companies covered in this report

PCG (Outperform, US$ 43.00,**TP: US$50 from US$54**)
EIX (Outperform, US$35.81, **TP: US$41 from US$42**)

Note: Share prices are as of 15 March 2011
Source: Macquarie Capital (USA), March 2011

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16 March 2011
Macquarie Capital (USA) Inc.

Please refer to the important disclosures and analyst certification on inside back cover of this document, or on our website www.macquarie.com.au/disclosures.

Takeaways from meetings with California utility regulators

New CPUC Commissioners face very active regulatory calendar, Senate confirmation

Between pending rate cases for all three investor-owned electric utilities, San Bruno investigation, modifications to smart meter rollouts, and updates to allowed ROEs for water utilities, 2011 is a busy year for the CPUC. It will be an interesting year with three new Commissioners (the third one to be named any day) seeking Senate confirmations while California struggles to balance its budget.

Renewable targets remain intact, despite rising electric bills in CA

There was a clear consensus that CA will continue to pursue its goal of producing 33% of electricity from renewable resources by 2020. This won't be easy given the high cost of developing and integrating renewable capacity, though the state seems committed. The Commissioners seem indifferent between utilities owning the capacity vs. procuring from developers through long-term contracts, as any increase in competition should be a good thing. Other key concerns include interconnections, in-state vs. out-of-state resources (we may have seen the end of imports), and backup spinning reserves or ancillary services.

Nuclear concerns seem overdone in CA

There is little concern that an earthquake or tsunami could cause damage to CA's two nuclear plants, San Onofre (majority owned by SoCalEd) and Diablo Canyon (owned by PG&E).

Starting with San Onofre, the facility has a 30 foot wall (vs. a projected maximum tsunami of 25 feet); in Japan, the tsunami was 23 feet tall. The backup diesel generators are underground, and as such aren't at risk of flooding, as happened at the Fukushima units. Lastly, the plant is designed to sustain ground movement of 0.67g (gravity) vs. 0.35g in Japan.

Diablo Canyon is located on a bluff 85 feet above sea level, making tsunami risk negligible. That plant also has underground backup generation, and can withstand ground movement of 0.8g, higher than San Onofre given the higher seismic activity in Northern California.

Each plant is yet to be relicensed, though we see little risk of pushback given appropriate safety measures and reliability issues. San Onofre is licensed through 2022, and expects to begin the relicensing process only in 2013. That plant recently completed steam engine replacements, and sees little incremental capex needs. Diablo Canyon is licensed through 2024/2025, but had preemptively started the relicensing process before the Japanese tragedy. We believe that any potential capex for either plant would be fully recoverable.

ROEs may be under pressure, but cost recovery shouldn't be a big worry

Though the CPUC has historically granted c11–12% ROEs, we believe that a 50–100bp reduction may be likely in the next round of rate cases. This is a function of new Commissioners seeming to have a bias toward consumers and ongoing weakness in the CA economy. Importantly, we believe that shares of PCG and EIX already price this in. Our models assume 10.5% distribution ROEs in '13 and beyond.

None of the Commissioners would comment on what specifically would be an appropriate authorized ROE. Commentary suggested however that, while the CPUC recognizes the importance of credit ratings and utilities' ability to keep the cost of equity down, risks of operating in CA may not be meaningfully higher than other states. To keep rates from escalating too quickly, the CPUC will have to evaluate the sharing of costs between utility investors and ratepayers. The CPUC is also evaluating ways to incorporate performance evaluation in determining allowed ROEs (within a pre-set range).

Still, each Commissioner seemed to recognize the need for utility investments in order to achieve environmental needs while maintaining system safety and reliability. Prudently incurred costs should be recoverable as usual. We believe that above-average capex plans should be maintained.

CPUC05804

PG&E's public perception has taken a big hit

No one denied that PG&E's reputation has been hit hard, though we attribute this, at least in part, to our belief that Northern California is a tough environment. As such, we believe there is higher risk that the CPUC may be tougher on this utility vs. its peers to the South, at least in the near-term. The setback in perception was generally attributed to a combination of backlash to smart meters over the past two years, Prop. 16 and the San Bruno natural gas pipeline explosion.

Starting with the smart meters, most agreed that the opposition is tough to justify given that EIX's smart meter rollout faces limited to no complaints. Key concerns are health issues, interference with other items that share the radio frequency (such as baby monitors and garage door openers) and the accuracy of readings. Each has been scientifically refuted. Still, the CPUC feels the need to appease this very vocal minority – and the local media. PG&E is currently evaluating ways for customers to opt out of receiving an RF-transmitting smart meter and instead getting either a wired smart meter or a manually-read "dumb meter," though the customer would likely have to bear the cost.

As for San Bruno, there was a range of reactions. The Commissioners all agreed that no judgment should be passed until the National Transportation Safety Board (NTSB) issues their reports on the cause of the blast. However, it was clear that they believe to varying degrees that PG&E was at least partly responsible, and suggested that some form of punishment may be likely. While there was much discussion over record-keeping, all agree that there should be more emphasis on pipeline safety given an aging infrastructure. If PG&E is found to be in compliance with existing rules and regulations, future costs should be recoverable, though this is yet to be determined.

Valuation and risks

- EIX: Our US$41 (down from US$42) price target is based on a combination of 12.5x '12 regulated EPS. Risks include: pending rate case in CA, future allowed ROEs in CA, a potential credit default at EME, and margins from coal-fired plants coming in lower than expected.
- PCG: We base our US$50 price target (down from US$54) on a 12.75x '12 EPS. Risks include: the outcome of PCG's pending rate cases in CA, future allowed ROEs in the state, penalties associated with the San Bruno accident, execution on the +US$10bn capital plan, and the level of market interest rates, inflation and credit spreads,.

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Financial statements

Fig 1 PCG financial statements (US$m, except per share)

Income Statement	2007A	2008A	2009A	2010A	2011E	2012E	2013E
Total Revenue	$13,237	$14,628	$13,399	$13,751	$14,409	$14,655	$14,461
Operating Expenses	11,123	12,367	11,100	11,381	11,537	11,774	11,574
Gross Margin	2,114	2,261	2,299	2,370	2,872	2,881	2,887
EBIT	2,114	2,261	2,299	2,370	2,872	2,881	2,887
EBITDA	3,884	3,912	4,051	4,234	4,820	4,906	4,546
Interest Expense	(794)	(772)	(749)	(837)	(891)	(891)	(891)
Other Income	225	17	179	530	357	530	686
EBT	1,545	1,506	1,729	2,063	2,337	2,520	2,681
Taxes	(539)	(425)	(460)	(722)	(818)	(882)	(938)
Net Income	$1,006	$1,081	$1,269	$1,341	$1,519	$1,638	$1,743
S/O	353	356	386	393	409	412	412
EPS	**$2.78**	**$2.95**	**$3.21**	**$3.41**	**$3.64**	**$3.89**	**$4.14**
% EPS Growth	nm	6.1%	8.7%	6.3%	6.8%	6.9%	6.3%
Balance Sheet							
Cash	$345	$219	$527	$420	$1,241	$746	$252
Net Receivables	$2,431	$3,068	$2,845	$3,346	$3,662	$4,102	$4,656
Materials	$371	$423	$314	$255	$255	$255	$255
Other	$2,302	$2,693	$1,971	$2,000	$2,000	$2,000	$2,000
Total Current Assets	$5,449	$6,403	$5,657	$6,021	$7,158	$7,103	$7,163
Gross PPE	$35,236	$37,810	$41,192	$45,055	$48,489	$51,583	$54,635
Less: Acc Depreciation	($12,928)	($13,572)	($14,188)	($15,398)	($16,942)	($18,544)	($20,203)
CWIP	$1,348	$2,023	$1,888	$1,993	$1,993	$1,993	$1,993
Net PPE	$23,656	$26,261	$28,892	$31,650	$33,540	$35,032	$36,424
Goodwill	$65	$60	$70	$0	$0	$0	$0
Regulatory Assets	$4,459	$5,996	$5,522	$5,216	$4,812	$4,389	$4,389
Other	$3,003	$2,140	$2,804	$2,940	$2,940	$2,940	$2,940
Total Assets	**$36,632**	**$40,860**	**$42,945**	**$45,826**	**$48,450**	**$49,464**	**$50,916**
Current Portion of LTD	$354	$970	$760	$1,232	$1,232	$1,232	$1,232
Short Term Borrowings	$519	$287	$833	$1,501	$2,251	$2,501	$2,501
Accounts Payable	$3,763	$3,749	$2,387	$2,447	$2,447	$2,447	$2,447
Other	$2,071	$2,620	$2,833	$2,850	$2,850	$2,850	$2,850
Total Current Liabilities	$6,707	$7,626	$6,813	$8,030	$8,780	$9,030	$9,030
Long Term Debt	$9,753	$10,534	$11,490	$11,712	$12,512	$12,512	$13,112
Other	$11,367	$13,071	$14,057	$14,527	$14,527	$14,527	$14,527
Total Liabilities	$27,827	$31,231	$32,360	$34,269	$35,819	$36,069	$36,669
Preferred Stock	$252	$252	$0	$0	$0	$0	$0
Shareholder's Equity	$8,553	$9,377	$10,585	$11,557	$12,631	$13,395	$14,247
Total Liabilities and OE	**$36,632**	**$40,860**	**$42,945**	**$45,826**	**$48,450**	**$49,464**	**$50,916**
Statement of Cashflows	**2007A**	**2008A**	**2009A**	**2010A**	**2011E**	**2012E**	**2013E**
Net Income	$1,006	$1,338	$1,234	$1,296	$1,519	$1,638	$1,743
Depreciation	$1,770	$1,297	$1,383	$1,478	$1,544	$1,602	$1,660
Amortization	$125	$566	$564	$386	$404	$423	$0
Non Cash AFUDC	$146	($132)	$128	($263)	($316)	($440)	($554)
Other & Working Capital	($501)	($320)	($270)	($354)	$0	$0	$0
Total CFFO	$2,546	$2,749	$3,039	$2,544	$3,151	$3,223	$2,848
Property additions	($2,769)	($3,628)	($3,958)	($4,155)	($3,434)	($3,094)	($3,052)
Proceeds from asset sales	$21	$26	$0	$0	$0	$0	$0
Other	$82	($50)	$622	$7	$0	$0	$0
Total CFFI	($2,666)	($3,652)	($3,336)	($4,148)	($3,434)	($3,094)	($3,052)
Short term borrowings	($259)	($244)	$542	$668	$750	$250	$0
Long term borrowings	$554	$1,377	$451	$1,007	$800	$0	$600
Dividends	($496)	($546)	($590)	($696)	($846)	($874)	($891)
Shares repurchases, net	$0	$225	$219	$450	$400	$0	$0
Other	$210	($35)	($17)	$6	$0	$0	$0
Total CFFI	$9	$777	$605	$1,435	$1,104	($624)	($291)
Starting Cash	$456	$345	$219	$527	$420	$1,241	$746
Change in Cash	($111)	($126)	$308	($107)	$821	($495)	($494)
Ending Cash	$345	$219	$527	$420	$1,241	$746	$252

Source: Company data, Macquarie Capital (USA), March 2011

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Fig 2 EIX financial statements (US$m, except per share)

Income Statement	2007A	2008A	2009A	2010A	2011E	2012E	2013E
Sales	12,868	14,112	12,361	12,409	12,645	13,048	13,792
Operating expenses	10,359	11,549	10,963	10,283	10,588	11,087	11,481
Operational EBITDA	3,690	3,876	2,816	3,648	3,789	3,811	4,379
Depreciation	1,181	1,313	1,418	1,522	1,732	1,851	2,068
Operational EBIT	2,509	2,563	1,398	2,126	2,057	1,961	2,311
Net interest expense	752	700	732	703	990	1,058	1,295
Ordinary Profit Before Tax	1,916	1,993	1,062	1,545	1,294	1,130	1,243
Income tax	492	596	-98	354	339	274	305
Net profit	1,217	1,264	1,064	1,140	903	804	886
S/O (m)	331	329	327	329	329	329	329
Consolidated EPS	**3.68**	**3.84**	**3.25**	**3.47**	**2.74**	**2.44**	**2.69**
SoCalEd EPS	**2.04**	**2.22**	**2.67**	**2.99**	**3.10**	**3.42**	**3.63**
Balance Sheet							
Cash and cash equivalents	1,441	3,916	1,673	1,389	1,000	1,000	1,000
Accounts receivable, net	1,033	1,006	1,017	931	948	979	1,034
Inventory	432	553	533	568	328	351	357
Other short-term assets	1,338	1,878	1,207	1,534	1,534	1,534	1,534
Other-long term assets	10,970	12,919	9,901	10,924	10,924	10,924	10,924
PPE	22,309	24,343	27,113	30,184	32,900	35,843	38,094
Total assets	**37,523**	**44,615**	**41,444**	**45,530**	**47,635**	**50,631**	**52,944**
Short-term debt	518	2,317	462	163	1,594	1,210	615
Accounts payable	979	1,031	1,123	1,362	698	746	760
Other liabilities	2,759	3,349	2,202	2,427	2,427	2,427	2,427
Other long-term liabilities	14,597	16,259	16,214	17,713	17,713	17,713	17,713
Long-term debt	9,016	10,950	10,437	12,371	13,224	16,189	18,658
Shareholders' equity	9,654	10,709	11,006	11,494	11,979	12,345	12,771
Total liabilities and equity	**37,523**	**44,615**	**41,444**	**45,530**	**47,635**	**50,631**	**52,944**
Cashflow Statement							
Net income	1,217	1,264	849	1,256	903	804	886
Depreciation and amortisation	1,181	1,313	1,418	1,522	1,732	1,851	2,068
Other non cash elements	813	119	-801	1,360	-220	-58	-111
Funds from operations	3,211	2,696	1,466	4,138	2,415	2,597	2,843
Decrease (increase) in WC	(147)	(249)	416	(575)	(442)	(5)	(49)
Operating cash flow	3,064	2,447	1,882	3,563	1,973	2,593	2,794
Additions to PPE	(2,826)	(2,824)	(3,282)	(4,543)	(4,625)	(4,793)	(4,319)
FCF before dividends	238	(377)	(1,400)	(980)	(2,652)	(2,201)	(1,525)
Dividends paid	(484)	(567)	(521)	(463)	(417)	(438)	(460)
FCF after dividends	(246)	(944)	(1,921)	(1,443)	(3,069)	(2,639)	(1,985)
Chang in capital	(84)	(14)	(1)	(16)	0	0	0
Increase (repayment) of debt	(309)	3,740	(2,407)	1,532	2,284	2,581	1,874
Other	156	(121)	(497)	(180)	0	0	0
Increase in cash	(483)	2,661	(4,826)	(107)	(785)	(58)	(111)

Source: Company data, Macquarie Capital (USA), March 2011

CPUC05807

Important disclosures:

Recommendation definitions

Macquarie - Australia/New Zealand
Outperform – return >3% in excess of benchmark return
Neutral – return within 3% of benchmark return
Underperform – return >3% below benchmark return

Benchmark return is determined by long term nominal GDP growth plus 12 month forward market dividend yield

Macquarie – Asia/Europe
Outperform – expected return >+10%
Neutral – expected return from -10% to +10%
Underperform – expected return <-10%

Macquarie First South - South Africa
Outperform – expected return >+10%
Neutral – expected return from -10% to +10%
Underperform – expected return <-10%

Macquarie - Canada
Outperform – return >5% in excess of benchmark return
Neutral – return within 5% of benchmark return
Underperform – return >5% below benchmark return

Macquarie - USA
Outperform (Buy) – return >5% in excess of Russell 3000 index return
Neutral (Hold) – return within 5% of Russell 3000 index return
Underperform (Sell)– return >5% below Russell 3000 index return

Volatility index definition*

This is calculated from the volatility of historical price movements.

Very high–highest risk – Stock should be expected to move up or down 60–100% in a year – investors should be aware this stock is highly speculative.

High – stock should be expected to move up or down at least 40–60% in a year – investors should be aware this stock could be speculative.

Medium – stock should be expected to move up or down at least 30–40% in a year.

Low–medium – stock should be expected to move up or down at least 25–30% in a year.

Low – stock should be expected to move up or down at least 15–25% in a year.
* Applicable to Australian/NZ/Canada stocks only

Recommendations – 12 months
Note: Quant recommendations may differ from Fundamental Analyst recommendations

Financial definitions

All "Adjusted" data items have had the following adjustments made:
Added back: goodwill amortisation, provision for catastrophe reserves, IFRS derivatives & hedging, IFRS impairments & IFRS interest expense
Excluded: non recurring items, asset revals, property revals, appraisal value uplift, preference dividends & minority interests

EPS = adjusted net profit / efpowa*
ROA = adjusted ebit / average total assets
ROA Banks/Insurance = adjusted net profit /average total assets
ROE = adjusted net profit / average shareholders funds
Gross cashflow = adjusted net profit + depreciation
*equivalent fully paid ordinary weighted average number of shares

All Reported numbers for Australian/NZ listed stocks are modelled under IFRS (International Financial Reporting Standards).

Recommendation proportions – For quarter ending 31 December 2010

	AU/NZ	Asia	RSA	USA	CA	EUR	
Outperform	46.38%	62.62%	52.17%	44.99%	67.57%	50.90%	(for US coverage by MCUSA, 13.59% of stocks covered are investment banking clients)
Neutral	37.68%	18.58%	34.78%	50.61%	28.83%	35.48%	(for US coverage by MCUSA, 15.22% of stocks covered are investment banking clients)
Underperform	15.94%	18.80%	13.04%	4.40%	3.60%	13.62%	(for US coverage by MCUSA, 0.00% of stocks covered are investment banking clients)

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From: Angie Storozynski (Macquarie Securities)
To: ernesto.melendez@cpuc.ca.gov
Sent: 3/18/2011 1:32:04 PM
Subject: Thank you

Hi Ernie

Thanks again for setting up our meeting with Commissioner Florio and a group of Wall Street investors earlier this week.

Much appreciated!

Angie

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Managing Director, Equity Research
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c: +1 646 575 5761
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From: Melendez, Ernesto
To: Angie Storozynski (Macquarie Securities)
Sent: 3/18/2011 1:34:55 PM
Subject: RE: Thank you

I was glad to be of some help.

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Angie Storozynski (Macquarie Securities) [mailto:Angie.Storozynski@macquarie.com]
Sent: Friday, March 18, 2011 1:32 PM
To: Melendez, Ernesto
Subject: Thank you

Hi Ernie

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Much appreciated!

Angie

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From:	Peter Kind (MacCap Advisers)
To:	Angie Storozynski (Macquarie Securities); robert_curry@dps.state.ny.us; Simon, Timothy A.; robert.shapard@oncor.com; james.torgerson@uinet.com; sthaynes@aep.com
CC:	Alan James (MacCap Advisors); Michael Allison (MacCap Advisors); Brent Wahl (MacCap Advisors)
Sent:	3/21/2011 11:38:21 AM
Subject:	Vail Panel 2A-- Monday, March 28th at 8:30AM-- Does Utility Regulation Support Value Creation and Economic Growth?
Attachments:	winmail.dat

Gentlemen and Angie-- Based on our call on Friday, I have revised the proposed set of Questions and bracketed proposed responders. I will plan to call audible if necessary to keep the conversation moving smoothly. Objective is 45 minutes of Q&A and then leave 15 minutes for questions from the audience or questions by co-panelists. Please plan to hold responses to no longer than one minute (to keep conversation lively and flowing). Thanks for agreeing to participate on the panel. Should you have any questions, comments or proposed edits to list below, please feel free to call me at 212-231-1355. Safe travels to Vail. Regards, Peter

---

Key Themes for Discussion

Moderator Comment: Per EEI data, Shortfall of Earned vs. Authorized Returns has increased over last several years

> Current Views on Prospects for N/Term future of Earned vs. Authorized Regulated Returns? [Storozynski]

> Your Experiences & Actions in your jurisdictions to enhance achieved level of returns (mechanisms sought)
-What is and is not working? [Shapard, Torgerson, Haynes]
-What has not been approved? [Simon and Curry]

> What has been your jurisdictions philosophy and actions as to breaking the linkage between usage levels and earned returns?
[Simon and Curry]

> How do regulators monitor and address Earned ROE's and Gap vs Allowed ROE's? [Curry and Simon]

> What do investors think about value impact of decoupling and the concept of breaking the link between usage driven sales and Earnings? [Storozynski]

> Is Regulated Growth Accretive to Value Creation ? [Shapard, Torgerson, Haynes and Storozynski]
-- What % of Future Capexp is Growth Focused vs. Replacement/enhancement Focused?

>What are principal concerns of Investment Community re Regulated T&D Businesses? [Storozynski]

> Should Cost of Service Regulatory Model be re-examined given Industry Dynamics and Stresses (e.g. Environment, Energy Supply, Re-examined)? [Regulators and Company]
--why and what would you envision as a new model?

>What type of Incentives Should be Sought to Promote Policy Objectives and Best Value for Customers? [Companies Propose, Regulators Respond]

> Smart Grid/Advanced Metering-- success to date? [Shapard, Simon]

> Dynamic time of use pricing-- can it create value for all stakeholders and should it be implemented? [Regulators]

> Macquarie Capital's Assessment of M&A Activity Concludes that M&A has not created value for Acquirors-- What has been your experience and views [Haynes and Shapard]?

> Has M&A activity created value for Customers? [Curry]

> Potential Investment to Protect Infrastructure (e.g. cyber security,nuclear , electromagnetic fields)-- how much do we spend to protect reliability? [Torgerson, Simon] -- How do we prioritize and/ or consider flexibility to make expenditures?

> How does environmental spend potential to address EPA/Carbon/Renewables impact on headroom to grow T&D business and earn T&D returns? [Haynes]

>Is there a business model to generate profits from Energy Efficiency while creating benefits for customers? [Haynes, Torgerson]

> What keeps you up at night re Regulated Utility Business? [All]

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Peter Kind
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From: Angie Storozynski (Macquarie Securities)
To: Gonzalez, Nuria
Sent: 3/22/2011 10:17:52 AM
Subject: FW: Reqyest for a conference call with President Peevey
Attachments: winmail.dat

Hi Nuria

Hope all is well. Have you heard back from President Peevey about a potential conference call with us? Just checking.

Thank you very much
Angie

Angie Storozynski
Managing Director, Equity Research
US Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
p: +1 212 231 2569
c: +1 646 575 5761
angie.storozynski@macquarie.com

From: Angie Storozynski (Macquarie Securities)
Sent: Friday, March 18, 2011 2:36 PM
To: nur@cpuc.ca.gov
Subject: Reqyest for a conference call with President Peevey
Importance: High

Dear Ms. Gonzalez

Last month we spoke about a meeting with President Peevey and a group of investors on March 14th or 15th(please see the email below). Unfortunately President Peevey was unavailable to meet with us then, and we saw Commissioners Florio, Sandoval and Simon instead. I'm attaching a note summarizing key takeaways from those meetings. We would love to hear President Peevey's stance on many of the issues discussed in the note, especially as some investors left those meetings a little concerned. Would President Peevey be open to a conference call with our investors? We are open to your suggestions about the timing of such as a call, but the sooner the better for us.

Please let me know.

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c: +1 646 575 5761
angie.storozynski@macquarie.com

From: Angie Storozynski (Macquarie Securities)
Sent: Thursday, February 10, 2011 7:02 PM

To: nur@cpuc.ca.gov
Subject: Meeting request - President Peevey - March 15th
Importance: High

Dear Ms. Gonzalez

My name is Angie Storozynski and I head the utilities and alternative energy equity research team for Macquarie Capital in New York. We plan to bring a small group of investors to San Francisco to meet with members of senior management from the three major investor-owned utilities on March 15th. We would really appreciate if President Peevey could attend this mini-conference as our keynote speaker at a lunch.

We have about 15 investors from some of the largest funds across the country willing to travel to San Francisco for this meeting, based on the hope that President Peevey will join us. Each of the three utilities has committed, and we would be honored if Commissioner Florio could attend as well. Macquarie also has a top-notch conference planning team that will ensure all of the logistics are taken care of.

I have attached our official meeting request form for your review, and am happy to provide additional information.

Kind regards,
Angie Storozynski

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From:	Alan James (MacCap Advisors) on behalf of Alisa Zammit (MacCap Advisors)
To:	Mark Sidran; raislerk@sullcrom.com; Simon, Timothy A.; Ron Binz; Alisa Zammit (MacCap Advisors); Mr Robert Gee; Barry T Smitherman; robert_curry@dps.state.ny.us; Kerri.Schnase@ferc.gov; Simon, Timothy A.; robert.clayton@psc.mo.gov; Richard Keefe (MacCap Advisors)
Sent:	3/22/2011 12:32:51 PM
Subject:	Regulatory Roundtable Breakfast
Attachments:	winmail.dat

Good afternoon all,

Following our call this afternoon, I propose we meet at the back of the conference room immediately following Mondays sessions (12 noon) to discuss Tuesday mornings Regulatory Roundtable session. Or, should people be skiing or snowmobiling, lets still briefly meet at this time to firm up an alternate time to discuss this.

Many thanks,

Alan

Macquarie Capital (USA) Inc.

Yours sincerely,
Alan W. James
Senior Managing Director

Direct + 1 212 231 1735
Cell +1 646 220 6943
Facsimile + 1 212 231 1718
Email Alan.james@macquarie.com

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Macquarie Capital (USA) Inc.

Yours sincerely,
Alan W. James
Senior Managing Director

Direct + 1 212 231 1735
Cell +1 646 220 6943
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Email Alan.james@macquarie.com

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From:	Ishwar Saini
To:	mel@cpuc.ca.gov
CC:	Andre Templeman; douglass@energyattorney.com
Sent:	3/23/2011 1:30:58 PM
Subject:	Registration for All party meeting on RSP

Ernesto,
Could you please register me for the upcoming All Party Meeting on RPS at Commissioner Florio's office regarding R-08-08-009.

My coordinates are:

Name: Ishwar Saini
Company: Macquarie Energy LLC
Phone: 713 275 6818
Email: ishwar.saini@macquarie.com
Also pl register me for telephone line to listen into.

Thank you.

Best regards,

Ishwar Saini
VP, Regulatory & Market Affairs, Macquarie Energy LLC., 500 Dallas St., Suite 3100, Houston, TX 77002, T 713.275.6818, M 281.475.9107

Email disclaimer for Macquarie Energy LLC: http://www.macquarie.com/us/mce_disclaimer.htm

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From:	Melendez, Ernesto
To:	Ishwar Saini
CC:	Andre Templeman; douglass@energyattorney.com
Sent:	3/23/2011 1:35:02 PM
Subject:	RE: Registration for All party meeting on RSP

I will add you to the list of attendees to our meeting. Were you planning on speaking? The conference call # is 1-877-925-0782 and the pass code is 849232.

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Wednesday, March 23, 2011 1:31 PM
To: Melendez, Ernesto
Cc: Andre Templeman; douglass@energyattorney.com
Subject: Registration for All party meeting on RSP

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From:	Ishwar Saini
To:	ernesto.melendez@cpuc.ca.gov
CC:	Andre Templeman; douglass@energyattorney.com
Sent:	3/23/2011 1:37:18 PM
Subject:	Re: Registration for All party meeting on RSP

No we are not planning to speak formally.
Thanks for registering.

Best regards,

Ishwar Saini
VP, Regulatory & Market Affairs, Macquarie Energy LLC., 500 Dallas St., Suite 3100, Houston, TX 77002, T 713.275.6818, M 281.475.9107

From: Melendez, Ernesto <ernesto.melendez@cpuc.ca.gov>
To: Ishwar Saini
Cc: Andre Templeman; douglass@energyattorney.com <douglass@energyattorney.com>
Sent: Wed Mar 23 15:35:02 2011
Subject: RE: Registration for All party meeting on RSP

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Administrative Assistant
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From:	Peter Kind (MacCap Advisers)
To:	ben.fowke@xcelenergy.com; trauscrs@oge.com; randall.mehrberg@pseg.com; peilers@mdcp.com; barry.smitherman@puc.state.tx.us; Angie Storozynski (Macquarie Securities); robert.shapard@oncor.com; james.torgerson@uinet.com; sthaynes@aep.com; timothy.simon@cpuc.ca.gov; robert_curry@dps.state.ny.us; Annette Bliss; Eiken, Shelley
CC:	Brent Wahl (MacCap Advisors); Alan James (MacCap Advisors); Nick Butcher (MacCap Advisers); David Roseman (MacCap Advisers)
Sent:	3/25/2011 11:38:03 AM
Subject:	Macquarie Seventh Annual Utilities Power and Gas Conference --- Agenda, Speaker Bios and Sunday Ski Information
Attachments:	BIO_Book.pdf; VAIL _MiniAgenda_revised.pdf

Vail Panelists--

Greetings! Attached please find information on the Conference, including the Agenda and the Bios of Speakers and Panelists.

While some have told me that they will not be able to ski on Sunday, if you are able to ski please contact me so I have the appropriate lift ticket count. We will meet for Breakfast at 8am at the Vail Cascade Restaurant and then venture out to Ski about 9ish. If you are renting equipment, Macquarie has arranged for rentals thru the ski shop at the hotel.

Ski report calls for weather in Vail Village in the low to mid 30's during the day and there is plenty of snow.

We look forward to a great event and we appreciate your participation. Safe travels.

Best,

Peter

Macquarie Capital (USA) Inc.

Peter Kind
Senior Managing Director
Macquarie Capital Advisors
Phone: 1-212-231-1355
Cell: 1-516-450-1800
Fax: 1-212-231-1718

Email: peter.kind@macquarie.com

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SPEAKER BIOGRAPHIES AND CONFERENCE ATTENDEES

MACQUARIE
UTILITIES, POWER AND GAS CONFERENCE
MARCH 2011
VAIL, COLORADO

MACQUARIE

MACQUARIE

Andrew Chapman

Macquarie Infrastructure and Real Assets

Andrew joined Macquarie in 2006 and is a Senior Managing Director in Macquarie Infrastructure and Real Assets. As a utility sector expert for MIP I and MIP II, Andrew provides operational expertise and oversees the utility businesses.

Andrew has more than 27 years experience managing and financing infrastructure in the U.S. and joined Macquarie after 17 years in the water utility industry. Most recently, Andrew served as Vice President of Strategy and Regulation for American Water, which provides water and wastewater services in 23 states. In 2003, he served as president of the National Association of Water Companies. Additionally, Andrew served both as Chief Financial Officer and President of Elizabethtown Water Company, a NYSE-listed water utility, from 1989 until 2003. Andrew led the sale of Elizabethtown to Thames Water in 2000 and later combined Elizabethtown Water Company with New Jersey American Water, forming a company serving a population of more than 2 million. From 1985-1989, Andrew directed all capital funding activities for the State of New Jersey and its numerous independent authorities.

Alicia Moy

Macquarie Infrastructure and Real Assets

Alicia is a senior member of the Macquarie Infrastructure and Real Assets asset management team. Alicia has been at Macquarie Group for over nine years with over six years asset management experience in the utility and energy sectors. Alicia is currently the asset director for a gas utility in Hawaii, a water utility serving the Northeast region and a district energy business in Chicago and Las Vegas. Prior to joining Macquarie, Alicia worked at Morgan Stanley in the investment banking group focused on private equity.

Chris Leslie

Macquarie Infrastructure and Real Assets

Chris Leslie is a Senior Managing Director with the Macquarie Group in New York and has been with Macquarie for 18 years. He is the Chief Executive Officer of Macquarie Infrastructure Partners I & II, unlisted funds which have $5.5 billion invested or committed to invest in US and Canadian infrastructure projects. Chris moved to New York in 1999 to expand Macquarie's infrastructure advisory business in the United States and has been particularly active in the utilities and telecommunications infrastructure sectors including the acquisition of Global Tower Partners, the largest private cell tower owner in the United States in 2007 ($1.5 billion) and the $7bn take-private of Puget Energy in 2009. Chris also has direct experience in the development and/or acquisition of gas pipelines, gas distribution systems, toll roads, airports, heliports, fixed base operations, water and wastewater systems, airport car parks and power generation assets.

Chris holds a Bachelor of Commerce with Honors from the University of Melbourne and is a member of the Institute of Chartered Accountants in Australia.

ATTENDANCE LIST

FIRST NAME	LAST NAME	TITLE	COMPANY
Javier	Zarate	Chief Financial Officer	Acciona Energia
Tom	Maher	Associate Director	AE Capital Advisers
Robert	Hemphill	President & Chief Executive Officer	AES Solar
Robert	Morgan	President & Chief Operating Officer	Agile Energy, Inc
Tom	Hanson	Vice President - Chief Financial Officer and Treasurer	Alliant Energy
Jaime	Haro	Director - Asset Management & Trading	Ameren Missouri
Stephan	Haynes	VP Strategic and Initiatives and CRO	American Electric Power
Thomas	Majewski	President	AMP Capital Investors US Ltd
Susan	Tierney	Managing Principal	Analysis Group
David	Levine	Chief Financial Officer	Arcadian Networks, Inc
Paul	Rapisarda	Managing Director	Atlantic Power
Patrick	Welch	Chief Financial Officer	Atlantic Power Corporation
Jason	Thackston	Vice President of Finance	Avista Corporation
Steven	Zucchet	Senior Vice President	Borealis Infrastructure
Christina	Lampe-Onnerud	Founder and Executive Chairman	Boston-Power, Inc
Doug	Wilson	Chief Financial Officer	Broadrock Renewables LLC
Frederick	Butler	President and Chief Executive Officer	Butler Advisory Services
The Honorable Timothy	Simon	Commissioner	California Public Utilities Commission
Alex	Taylor	Director of IR and Special Projects	Canadiansolar
Jim	Dumler	Sr. VP Strategic Planning and Business Development	CenterPoint Energy, Inc
Dan	Bakal	Director, Electric Power	Ceres
Brenda	Crockett	Vice President - Supply	Champion Energy Services
The Honorable Ronald	Binz	Chairman	Colorado Public Utilities Commission
John	Foster	Executive Vice President	Competitive Power Ventures
Sean	Finnerty	Senior Vice President	Competitive Power Ventures
John	Waterworth	Vice President, Corporate Controller	Comverge
Deepak	Gupta	Vice President of M&A	Covanta Energy
William	Lamb	Attorney	Dewey & LeBoeuf, LLP
Joshua	Raffaelli	Principal	Draper Fisher Jurvetson
Joel	Wood	Midterm Marketer	DTE Energy Trading
Mark	Chaichian	Partner	Ecomerit Technologies, LLC
James G.P.	Dehlsen	Chairman	Ecomerit Technologies, LLC
Thomas	Price	Vice President	El Paso
Dennis	Price	Vice President	El Paso Exploration & Production
Gil	Myette	Energy Portfolio Manager	Energy New England, LLC
Mike	Danielson	Vice President -- Asset Trading	Entegra Power Group LLC
The Honorable John	Norris	Commissioner	Federal Energy Regulatory Commission

FIRST NAME	LAST NAME	TITLE	COMPANY
Paul	Gaynor	Chief Executive Officer	First Wind
David	Oakland	NEPOOL, PJM Originator	GDF Suez Energy North America
Dan	McGinnis	Vice President	GDF SUEZ Energy North America
Robert	Gee	President	Gee Strategies Group, LLC
Michael	Cosgrove	Managing Director	GFI Group, Inc
Tad	Neeley	Senior Vice President Finance and Corporate Development	Glacial Energy
John	Bohn	Principal	Globalnet Partners
Ian	Blakely	Director	Good Energies, Inc
Nils	Swenson	Manager, Wholesale Power Origination	Hess Corporation
Mark	Kubow	Managing Director	Imperium Capital, LLC
Alec	Montgomery	Head of Infrastructure - North America	Industry Funds Management
Mark	Radtke	Executive VP & Chief Strategy Officer	Integrys Energy Group, Inc
Daniel	Verbanac	President	Integrys Energy Services, Inc
Lynn	Byrd	Director, Origination	IPR-GDF Suez
Andrew	Walters	Managing Director	J.P.Morgan Asset Management
John	Anderson	Senior Managing Director	John Hancock
Mark	Condon	Vice President & Chief Financial Officer	J-Power USA
Alberto	Daire	Chief Operating Officer	Liberty Power
Chip	Wilkinson	Director Mergers and Acquisitions	Liberty Power
Prashant	Mupparapu	Managing Director	Macquarie Bank Limited
Susan	Gray	Managing Director	Macquarie Capital Advisors
Stephen	Mehos	Managing Director	Macquarie Capital Advisors
DJ	Gribbin	Managing Director	Macquarie Capital Advisors
Michael	Meyers	Managing Director	Macquarie Capital Advisors
Michael	Allison	Managing Director	Macquarie Capital Advisors
Sean	Fitzgerald	Managing Director	Macquarie Capital Advisors
Richard	Keefe	Senior Consultant	Macquarie Capital Advisors
Nick	Butcher	Senior Managing Director	Macquarie Capital Advisors
Alan	James	Senior Managing Director	Macquarie Capital Advisors
Peter	Kind	Senior Managing Director	Macquarie Capital Advisors
David	Roseman	Senior Managing Director	Macquarie Capital Advisors
Eric	Weng	Senior Vice President	Macquarie Capital Advisors
David	Blackford	Senior Vice President	Macquarie Capital Advisors
Scott	Peak	Vice President	Macquarie Capital Advisors
Luis Angel	Arizaga Zarate	Senior Vice President	Macquarie Capital (Mexico) S.A. De C.V
Paul	Huebener	Managing Director, Head of Infrastructure, Utilities & Renewables - Canada	Macquarie Capital Markets Canada Ltd
Bryan	LaFrance	Assistant Vice President	Macquarie Energy LLC
Michael	Rossen	Associate Director	Macquarie Energy LLC
Jeanne Michelle	Broom	Division Director	Macquarie Energy LLC
Sherri	Brudner	Division Director	Macquarie Energy LLC
Matthew	DAgostino	Division Director	Macquarie Energy LLC
Heather	Dusek	Executive Assistant	Macquarie Energy LLC
Ben	Preston	Executive Director	Macquarie Energy LLC

Robert Faitell

Macquarie Energy LLC.

Robert heads Sales, Origination and Structured Finance for the Americas. Prior to joining Macquarie, Robert spent 14 years with Morgan Stanley's Commodities Group, last overseeing Corporate Client Business - Americas.

Roberta Konicki

Macquarie Energy LLC.

Ms. Konicki is Senior Vice President of Macquarie Energy LLC responsible for its structured retail power supply business in the U.S. Ms. Konicki joined Macquarie's Houston office in 2009 and has nearly eleven years of industry experience. Her responsibilities also include power and gas origination in the Northeast markets. Prior to joining Macquarie, Ms. Konicki was Vice President of Power Origination at Sempra Energy Trading, LLC.

Mr. Mupparapu is a Managing Director based in New York. He works with public and private clients to help manage commodity risk and optimize capital structure through long-dated, asset-backed derivatives and credit structures leveraging investment banking and trading activity. He is responsible for power and gas origination activities in the Northeast and is the primary interface between FICC and Macquarie Capital for commodity solutions. Prior to 2008, Mr. Mupparapu was at Credit Suisse where he worked to bring critical hedging and financing tools to the merchant energy asset development space to achieve larger goals within the capital structure.

Sherri Brudner

Macquarie Energy LLC.

Sherri Brudner joined Macquarie in 2006 as one of a five-person team hired to launch its North American power trading business. She now leads the sales and origination team covering Midwest and Mid-Atlantic power markets, with a purview expanding to include natural gas in those regions as well as the southeast US. She has been responsible for introducing and executing numerous customer transactions to build the Macquarie Energy portfolio - including physical tolls on gas-fueled generation; power purchase agreements on biomass, waste coal and hydro generators; variable volume power sales to utilities; and a large transaction integrating credit augmentation facilities with a commodity purchase. Sherri began her career in commodities markets reporting on crude oil trading for London-based Petroleum Argus. More recently, she has worked in natural gas trading and then power trading for Dynegy, and in sales and management for Duke Energy's merchant generation affiliate.

CPUC05830

In 1999 Ben left Macquarie to join Goldman Sachs. Based in London, Ben was a structured derivatives salesman covering commodities for a diverse range of customers in the Middle East, Europe and Africa. In 2000 Ben was promoted to Executive Director.

Ben rejoined Macquarie in June 2001 in his current role. He oversaw the growth of the London office from a staff complement of 12 to approximately 100. He has been responsible for the establishment and oversight of the Bank's energy derivatives business and for the establishment of derivative joint ventures with both the Royal Bank of Scotland and Abu Dhabi Commercial Bank.

Ben transferred to his current role in August 2007.

Charlie Fenner

Macquarie Energy LLC.

Charlie joined Macquarie in 2008. He is responsible for power fundamentals for Macquarie Energy in the US. Charlie analyzes load growth, retirements, new builds, fuel prices, ISO rules, environmental regulations and other variables to help shape Macquarie's views for energy prices, capacity prices and reserve margins. Charlie splits his efforts between providing views on the liquid part of the energy curve and providing fundamental price analysis for less liquid energy and capacity tenors and products.

Charlie entered the power industry in 2001 at Mirant, focusing on the PJM market. He then worked in equity research covering the power sector first at Prudential Equity Group and then as a Vice President at Morgan Stanley, where he worked immediately prior to joining Macquarie. He has an AB in Economics from Princeton and an MBA with a concentration in Finance from Vanderbilt.

James Caron

Macquarie Energy LLC.

James first joined Macquarie in 2008, as part of Macquarie Energy, and was primarily responsible for building a weather research group that provides historical as well as forecast weather reports for energy traders.

James and his team build hourly, weekly, monthly and seasonal temperature/precipitation forecasts for major cities across North America, Europe and Asia in support of energy commodity trading.

He also provides risks to forecasts, interpretation of external weather vendor forecasts and potential market reactions to changes in weather.

During tropical season, James researches and develops tropical cyclone forecasts across the Atlantic, Caribbean and Gulf of Mexico which allows traders to see risks to the key Gulf Production Region.

Jan Stuart

Macquarie Energy LLC.

Jan Stuart, is Macquarie's Global Oil Economist. In this role, Mr Stuart serves mostly Macquarie's equity franchises around the world and he teams up with parts of the firm's FICC business, Mr.Stuart adds significantly to the global reach of Macquarie's already formidable research and equity platform for energies, resources and infrastructure. Mr.Stuart has been analyzing oil markets since the mid-1980s. After starting at the International Energy Agency in Paris, he wrote for and edited several publications in London and New York for the Energy Intelligence Group, before heading up energy commodities research at ABN-Amro and later Societe Generale's, Fimat. Mr. Stuart was the Global Oil Economist for UBS before joining Macquarie early in 2009.

FIRST NAME	LAST NAME	TITLE	COMPANY
Robert	Faitell	Head of Origination	Macquarie Energy LLC
Martha	Jones	Manager	Macquarie Energy LLC
Ryan	Belgram	Manager	Macquarie Energy LLC
James	Caron	Meteorologist	Macquarie Energy LLC
Andre	Templeman	Senior Vice President	Macquarie Energy LLC
Roberta	Konicki	Senior Vice President	Macquarie Energy LLC
Mark	Mitchell	Sr. Vice President	Macquarie Energy LLC
Charlie	Fenner	Sr. Vice President, Power Fundamentals	Macquarie Energy LLC
Rafia	Merchant	Vice President	Macquarie Energy LLC
John	Brickey	Vice President	Macquarie Energy LLC
Mark	Wilson	Vice President	Macquarie Energy LLC
Andrew	Chapman	Senior Managing Director	Macquarie Infrastructure and Real Assets
Alicia	Moy	Senior Vice President	Macquarie Infrastructure and Real Assets
Michael	Bernstein	Senior Managing Director	Macquarie Infrastructure and Real Assets Canada Ltd
Chris	Leslie	Chief Executive Officer	Macquarie Infrastructure Partners
Jack	Bittan	Senior Vice President	Macquarie Power & Infrastructure Corporation
Andrew	Weisel	Analyst	Macquarie Securities
Rebecca	Hiscock-Croft	Economist	Macquarie Securities
Johannes	Stuart	Global Oil Economist	Macquarie Securities
Angie	Storozynski	Managing Director	Macquarie Securities
Patrick	Eilers	Managing Director	Madison Dearborn Partners Inc
Mark	Sidran		Mark Sidran Consulting
Cole	Robertson	Vice President Development	Mesa Power Group
John	Bear	President & Chief Executive Officer	Midwest ISO
The Honorable Robert	Clayton	Commissioner	Missouri Public Service Commission
Jeffrey	Mayer	President/Chief Executive Officer	MXenergy Inc
Bill	Myers	Software Engineer	National Center for Atmospheric Research
The Honorable Robert	Curry, Jr	Commissioner	New York Public Service Commission
Fred	Lancaster	Director of Originatino	NextEra Energy
Paul	Cusenza	Chief Executive Officer	Nodal Exchange
Tony	Anderson	Chief Financial Officer	Northland Power Inc
John	Brace	President & Chief Executive Officer	Northland Power Inc
Stephen	Adik	Director	NorthWestern Energy
Sean	Trauschke	Vice President, Chief Financial Officer	OGE Energy Corp
Robert	Shapard	Chairman & Chief Executive Officer	Oncor
John	Cooper	Senior Originator	PPL EnergyPlus
Randall	Mehrberg	President, PSEG Energy Holdings	PSEG
The Honorable Barry	Smitherman	Chairman	Public Utility Commission of Texas
Kimberly	Harris	President and Chief Executive Officer	Puget Sound Energy

FIRST NAME	LAST NAME	TITLE	COMPANY
Daniel	Shapiro	President Quanta Capital Solutions	Quanta Capital Solutions, Inc
Peter	Lorenz	President	Quanta Renewable Energy Services
Vincent	Foster	Director	Quanta Services, Inc
Ben	Bosco	Senior Vice President	Quanta Services, Inc
Sheldon	Kimber	Sr, Vice President North American Development	Recurrent Energy
Arno	Harris	Chief Executive Officer	Recurrent Energy
Michael	Metzner	Chief Financial Officer	Recurrent Energy
Fred	Vaske	Vice President, Project Finance	Recurrent Energy
Paul	Goldstein	Director - Asset Optimization	Sempra Generation
Christopher	McKenzie	Principal Financial Analyst	Sempra Generation
Richard	LeBlanc	Chief Executive Officer	SkyFuel Inc
Michael	Whalen	Chief Financial Officer	SolarReserve, LLC
Tom	Georgis	Vice President Development	SolarReserve, LLC
Nathan	Kroeker	Chief Financial Officer	Spark Energy
Bradford	Nordholm	Chief Executive Officer & Managing Director	Starwood Energy Group Global
Kenneth	Raisler	Partner	Sullivan & Cromwell
Boris	Brevnov	Vice President	The AES Corporation
Peter	Axilrod	Managing Director	The Depository Trust & Clearing Corporation
Jeffrey	Kissel	Chief Executive Officer	The Gas Company
James	Lindstrom	Partner & Chairman	Tontine Partners
Bob	Mitchell	Chief Executive Officer	Trans-Elect
Doug	Marcille	President / Chief Executive Officer	U.S. Gas & Electric, Inc
David	Weinberg	Chief Financial Officer	U.S. Gas & Electric, Inc
James	Torgerson	President & Chief Executive Officer	UIL Holdings Corporation
Christoper	Smith	Deputy Assistant Secretary of Oil and Natural Gas	US Department of Energy
The Honorable Rick	Boucher	Former Member of Congress	US House of Representatives
Jeff	Hunter	Chief Financial Officer	USPOWERGEN
Curt	Moffatt	Member	Van Ness Feldman
Michael	Fallquist	Chief Executive Officer	Viridian Energy
Vicki	Sandler	Executive Director; President	Wearthy Ideas
John	Salazar	Director, Energy Trading	Xcel Energy
Ben	Fowke	President & Chief Operating Officer	Xcel Energy
Connie	Paoletti	Senior Originator	Xcel Energy
Tom	Imbler	Vice President, Commercial Operations	Xcel Energy, Inc

Michelle Broom

Macquarie Energy LLC

Michelle joined Macquarie in August 2006. She is currently the Global Head of the Compliance professions that support Macquarie's Fixed Income, Currencies & Commodities Group activities.

Her responsibilities include managing a Compliance team, in multiple regions, which provides Compliance and Regulatory services for FICC's diversified businesses that include US Bank Representative offices, bank branch offices in various locations, an US Broker-Dealer, an US Futures Commission Merchant, an electricity and natural gas trading and marketing company, physical commodities activities, environmental products and FX.

Prior to joining Macquarie, Michelle was employed with the Goldman Sachs' Compliance Division for eight years where she focused on Futures, Commodities, Equities and Fixed Income. Michelle was also employed with J.P. Morgan and Lehman Brothers Inc. in New York as a Futures Compliance Officer. She also worked in London for a total of six years while employed by both Goldman and J.P. Morgan.

Prashant Mupparupu

Macquarie Energy LLC

Prashant Mupparapu is a Managing Director based in New York. He works with public and private clients to help manage commodity risk and optimize capital structure through long-dated, asset-backed derivatives and credit structures leveraging investment banking and trading activity. He is responsible for power and gas origination activities in the Northeast and is the primary interface between FICC and Macquarie Capital for commodity solutions. Prior to 2008, Mr. Mupparapu was at Credit Suisse where he worked to bring critical hedging and financing tools to the merchant energy asset development space to achieve larger goals within the capital structure. He has executed and structured transactions involving gas-fired, wind and solar generation and load, natural gas production and storage. Previously, he received a Bachelors in Technology from the Indian Institute of Technology. He is also a Senior Advisor to a smart meter technology start-up in New England.

André Templeman

Macquarie Energy LLC

André Templeman is a Senior Vice-President at Macquarie Energy and responsible for the WECC and ERCOT Energy Sales and Origination. André has an MBA from the Richard Ivey School of business and has worked in the power industry since 1999. André has worked for Duke Energy, Iberdrola Renewables and Goldman Sachs prior to joining Macquarie in 2007. Macquarie Energy is the North American energy marketing and trading arm of Macquarie Group, specializing in short- and long-term energy supply, asset optimization and management, hedging solutions, sophisticated risk management tools, and structured transactions for various natural gas and electricity producers, utilities, industrial users and other energy sector participants in North America.

Ben Preston

Macquarie Energy LLC

Ben first joined Macquarie in 1995, as part of the Debt Markets Division, and was primarily responsible for producing and marketing Australian Mortgage Back Securities Research.

The following year Ben transferred to the Metals & Mining Division on the gold producer marketing desk. For 1997 and 1998 Ben was located in South Africa, where he worked on the financial markets joint venture with Standard Bank of South Africa. During this secondment he was promoted to Associate Director.

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Sean Fitzgerald

Macquarie Capital Advisers

Sean joined Macquarie in December 2008 as a managing director in the Private Capital Markets group. He is based in New York. Sean joined Macquarie from Barclays Capital. Prior to Barclays, Sean spent 12 years at Lehman Brothers in the Private Capital Markets and Private Equity Syndicate groups. Sean was responsible for originating, structuring and distributing private equity, PIPE and private debt transactions. Sean received his undergraduate degree from Yale University and MBA from the Stern School of Business at New York University

Angie Storozynski

Macquarie Securities

Angie Storozynski is a senior analyst and head of the US utilities and alternative energy equity research team at Macquarie. The team currently covers 31 electric and water utilities, conventional and renewable power generation companies and smart grid names.

Prior to Macquarie, Angie was with HSBC Capital (USA) and covered US electric utilities for three years. Prior to that, for four years she worked at ING Barings in the corporate finance department covering European electric utilities and telecoms. She began her career at PriwaterhouseCoopers and specialized in due diligence of electric utilities and telecoms.

Rebecca Hiscock-Croft

Macquarie Securities

Rebecca joined Macquarie in 2006. She began covering the US economy in 2007, and since has provided economics research and consulting to both private and public institutions.

As a member of Macquarie's global economics team, she also covered the Euro area, UK and Eastern European economies, including three years primary coverage of European economics.

Rebecca has a masters degree in Financial Econometrics from the University of New South Wales, and undergraduate degrees in International Business and International relations from the University of South Australia.

Tom Hanson

Alliant Energy

Vice President – Chief Financial Officer and Treasurer

Responsible for all accounting, tax, finance, treasury, internal audits, information technology and regulatory functions of Alliant Energy and its subsidiaries. Chairperson of the Executive Review and Risk Committee, Executive (IT) Steering Committee and Investment Committee, as well as a member of the RMT Board.

He currently on the Board of Directors, Oakwood Homes, Madison, WI and Community Development Authority, McFarland, WI

Stephan T. Haynes

American Electric Power

Stephan T. Haynes is vice president - Strategic Initiatives and Chief Risk Officer for American Electric Power. He is responsible for all risk management functions and strategic analysis for new business opportunities. He is also Treasurer of Electric Transmission Texas and Electric Transmission America and Co-Treasurer of PATH West Virginia, which are AEP's transmission joint ventures.

Previously, he served as assistant treasurer since May 2004 and before taking the new position was responsible for cash management, market risk activities, trusts and investments, and the planning and execution of AEP's corporate financing programs, including debt and equity instruments, and banking relationships.

Prior to this, he served as vice president - Market Risk Oversight and prior to that as managing director - risk oversight in the Risk Management department, where he served since July 1998. Prior positions with AEP include managing director - corporate finance; manager - corporate finance, and other positions in investor relations and information systems. He began his AEP career in 1984 as a programmer in the information systems department.

Haynes earned his master's degree in business administration from The Ohio State University, where he was named a Weidler Scholar for placing in the top 5 percent of the class, and a bachelor of business systems analysis degree, summa cum laude, from Harding University. He has completed the AEP/OSU Management Development Program and the Darden Program at the University of Virginia.

Sue Tierney

Sue Tierney, a Managing Principal at Analysis Group, is an expert on energy economics, regulation and policy, with a focus on the electric and gas industries and on economic, environmental and strategic issues. She previously served as the Assistant Secretary for Policy at the U.S. DOE, and held various senior positions in Massachusetts government (Secretary for Environmental Affairs; public utility commissioner; executive director of the Energy Facilities Siting Council). She co-chaired the DOE Agency Review Team for the Obama/Biden Presidential Transition Team. She chairs the Board of Directors of the Energy Foundation and NREL's Advisory Council; she also serves on the Secretary of Energy Advisory Board and chairs the Policy Subgroup of the National Petroleum Council's study of the North American natural gas resources. She is a director of the World Resources Institute; Clean Air Task Force; Clean Air – Cool Planet; Evergreen Solar; EnerNOC; and Ze-gen. She previously co-chaired the National Commission on Energy Policy and taught at the University of California at Irvine and at MIT. She earned her Ph.D. and M.A. degrees in regional planning at Cornell University.

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Christina Lampe-Önnerud

Boston-Power, Inc.

Dr. Christina Lampe-Önnerud is a well-known authority in the battery industry. She has pioneered the use of lithium-ion and other materials to deliver more powerful, longer lasting, safer, cost-effective and environmentally sustainable batteries for applications ranging from laptops to electric vehicles and utility energy storage.

Prior to founding Boston-Power, Dr. Lampe-Önnerud was one of the youngest partners ever appointed at Arthur D. Little/TIAX, where she ran the company's globally-renowned battery labs, defined strategies for the world's top chemical and battery organizations, and directed high-profile market evaluations. Earlier in her career, she served as a director and senior scientist at Bell Communications Research. With close to 80 patents awarded or filed in energy storage power solutions, Dr. Lampe-Önnerud has earned considerable recognition and has received a wide range of awards. Most recently she was elected a lifetime member of the Royal Swedish Academy of Engineering Sciences, IVA. The IVA is the world's oldest engineering academy, whose members consist of an exclusive group of accomplished technologists furthering engineering and economic sciences, and the development of industry for the benefit of society.

Additional accolades include: the World Economic Forum 2010 Technology Pioneer; Inter Academy Panel (IAP) and the Inter Academy Council (IAC), 2010 Sustainable Leadership Award; 100 Top Young Innovators by Technology Review, MIT's Magazine of Innovation; Ernst & Young's Entrepreneur of the Year for Clean Tech, New England region; Stevie Award for Women in Business as Best Entrepreneur; Mass High Tech Women to Watch; and Top Innovators of 2008 by EDN Magazine. Dr. Lampe-Önnerud is a sought-after speaker who passionately and eloquently shares her insights about battery technology, climate change and environmental sustainability at industry and government events around the world. Dr. Lampe-Önnerud earned a Ph.D. in Inorganic Chemistry and a B.Sc. in Chemistry and Calculus from Uppsala University in Sweden, and was a post doctoral fellow at Massachusetts Institute of Technology.

Timothy Simon

California Public Utilities Commission

Timothy Alan Simon was appointed to the California Public Utilities Commission by Governor Arnold Schwarzenegger on February 15, 2007. As a former securities and banking industry attorney involved in financial products and services, Commissioner Simon firmly supports investment in California's utility infrastructure as being critical to California's economic future, and encourages a balanced public policy in areas of utility regulation. He actively promotes and encourages diversity in utility procurement, educational opportunities, and the workplace.

On the national level, Commissioner Simon is Chair of the National Association of Regulatory Utility Commissioners (NARUC) Committee on Natural Gas. He also is a member of NARUC's Board of Directors, Critical Infrastructure Committee, Consumer

Affairs Committee, Utility Market Access Partnership Sub-committee, Gas Speculation Task Force, and Wireless Task Force. In his role as NARUC Gas Committee Chair, Commissioner Simon also sits on the National Petroleum Council, an oil and gas advisory committee to the Secretary of the Department of Energy (DOE). Commissioner Simon is a member of the First Friday Caucus, a national educational group on competitive utility markets, the Annual Baseline Assessment of Choice in Canada and the United States (ABACCUS) reporting committee, and the former Chair of the Liquified Natural Gas Partnership between NARUC and DOE.

At the state level, Commissioner Simon is a member of the Berkeley Energy & Resources Collaborative at U.C. Berkeley, and the California Green Collar Jobs Council. Prior to joining the CPUC, Commissioner Simon served as the Appointments Secretary to Governor Schwarzenegger, the first African American in California history to hold that post.

Commissioner Simon received a Bachelor's degree in Economics from the University of San Francisco, and a Juris Doctorate from Hastings College of the Law, University of California. He currently is an adjunct professor of Securities Regulations at the Golden Gate University School of Law in San Francisco, and acts as an advisor on international securities in Golden Gate's U.S. Legal Studies Program.

As an active member of the Bay Area community, Commissioner Simon serves on several non-profit boards, including Catholic Charities/CYO of the San Francisco Bay Area and the Megan Furth Catholic Academy. He is engaged and is the proud father of three children.

Mark Ramsey

Macquarie Capital Advisers

Mark has been with Macquarie Group since 1997 and was closely involved in the development of the infrastructure and specialised funds business, as Managing Director of the High Yield Infrastructure Debt Trust and the Global Infrastructure Fund. He was the Global Head of the Investment Bank's Private Placement Group, a team of approximately 60 people whose task is to structure, syndicate and place equity opportunities to fund and direct investors in all sectors of private equity including infrastructure, diversified industrials and property. Mark is currently the President of the Macquarie Capital Mexico City office. Macquarie Capital Mexico has launched the first infrastructure fund dedicated to Mexican assets in January 2009.

Rob Kupchak

Macquarie Capital Advisers

Rob is focused primarily on acquisitions and project financing in the power, utilities and renewables sector.

Notable transactions have included the acquisition of Puget Energy, a NYSE listed electric and gas utility, the take private acquisition of Duquesne Light Holdings, an electric utility serving Pittsburgh, PA, the acquisition of Aquarion Company a water distribution utility in the northeast U.S., the acquisition of the Gas Company, LLC a gas distribution company in Hawaii, the Path 15 project financing of an electric transmission line in California, and the AltaLink acquisition of TransAlta Utilities' electric transmission business.

Rob Redmond

Macquarie Capital Advisers

Rob Redmond is Vice Chairman and Head of Corporate Finance of Macquarie Capital (USA) Inc., having joined the firm in March 2009.

Mr. Redmond has a distinguished reputation as an experienced senior advisor across multiple sectors. Rob joined Macquarie Capital from Barclays Capital, where he held the title of Vice Chairman. Prior to his role as Vice Chairman of Barclays Capital, Mr. Redmond was a Vice Chairman of Lehman Brothers Holdings, Inc. and Chairman of the firm's Global Financial Sponsor coverage business. During his 14 years at Lehman, Mr. Redmond ran several global businesses for the firm including founding Lehman's Financial Sponsors business and playing a central role in building the firm's Industrials and Leveraged Finance businesses to leading positions in the US and in other markets around the world.

Tim Bishop

Macquarie Capital Advisers

Tim joined Macquarie in 1999 as part of the acquisition of Bankers' Trust Australia and has approximately 20 years' of investment banking experience. Throughout his career at Macquarie Tim has held a number of leadership positions.

January 2008 to date: President and CEO of Macquarie Capital (USA) Inc., President of Macquarie Holdings (USA) Inc. and Country Head for Macquarie Group in the US.

June 2010 to date: Member, Macquarie Group Executive Committee

March 2005 to March 2008: Global Head of Industrials Group and Financial Institutions Group

July 1999 to March 2005: Founder and Global Head of Real Estate

Tim has been instrumental in Macquarie's recent growth in the US, leading the acquisition and successful integration of a number of businesses and new hires.

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DJ Gribbin

Macquarie Capital Advisers

D.J. Gribbin is a Managing Director for Macquarie Capital, having spent over a decade working on public policy and business development in the infrastructure sector. He heads up Macquarie's governmental advisory practice in the U.S. and is currently advising the Government of Puerto Rico.

Gribbin most recently served as the General Counsel for the United States Department of Transportation. As the General Counsel, he was confirmed by the U.S. Senate to serve as the principal legal advisor to the Secretary and for the Department.

David Blackford

Macquarie Capital Advisers

Senior Vice President in the Power, Utilities & Renewables Group of Macquarie Capital Advisors focusing on power generation and regulated utilities, including electric, gas, and water. Prior to joining Macquarie David was a Director in the Power & Utilities Group in Citigroup's investment bank where he advised on M&A, equity and debt underwritings for merchant generation companies, utilities and financial sponsors active in the sector for eight years.

Eric Weng

Macquarie Capital Advisers

Eric Weng has focused for the last four years on transactions within the regulated utility sector. Eric joined

Macquarie in 2002 from Deutsche Bank. He has a wide range of transaction experience in power, energy and water sectors across mergers, acquisitions, divestitures, project financing and financial advisory. Eric was a key member of the Puget Energy and Southwest Water acquisition teams.

Lachlan Creswell

Macquarie Capital Advisers

Lachlan Creswell is based in the Mexico City office and leads Macquarie Capital Advisors' Infrastructure Team in Mexico City. Lachlan is a member of the board of Macquarie Capital (Mexico) S.A. de C.V., Previously, Lachlan has worked with Macquarie Capital Advisors' Utilities Team in Macquarie's London office, and spent five years working with the Natural Resources and Infrastructure Teams in Australia, after joining Macquarie in 2002. Whist at Macquarie Lachlan has worked on a range of advisory, private equity, project finance and equity capital markets transactions.

Richard Keefe

Macquarie Capital Advisers

Richard Keefe has worked with Macquarie Capital (USA) Inc since 1999. Mr. Keefe's work is focused primarily on acquisitions and project financing in the energy and utility sector. Mr. Keefe has an extensive history in structuring project finance transactions, stretching back to 1975. Prior to working for Macquarie, Mr. Keefe was a partner at the law firm Dewey Ballantine, and a principal at a boutique investment banking firm.

Richard has advised on the acquisition, disposition, and refinancing of numerous power generation projects, including competitive coal and gas assets as well as inside-the-fence projects at facilities producing steel, paper, petroleum products, borax and aluminum, as well as facilities serving hospitals, schools, office buildings and stadiums.

James (Jim) Dumler

CenterPoint Energy, Inc

As senior vice president, Strategy and Business Development for CenterPoint Energy, Jim Dumler is responsible for corporate strategic planning and advancing business development across CenterPoint Energy's portfolio of businesses. Jim brings breadth and depth of growth development to these responsibilities, as well as leadership for middle-market and large organizations primarily in the energy, chemical, basic industry, private equity and business-to-business service markets. Throughout his career, Jim has held organizational, operating and financial leadership positions, delivering significant results in a range of industries and situations.

Prior to joining CenterPoint Energy, Jim worked with Koch Industries, Purina Mills, GE Plastics and Republic Financial Corporation. His previous positions include senior managing director strategic investments for Republic Financial Corporation and chairman and interim CEO for American Identity. During his 12 year career with Koch Industries, he held a variety of leadership roles including Purina Mills, Inc. chairman and CEO; Koch Capital Services executive vice president; Koch Hydrocarbon CFO; Koch Development Group managing director; and Koch Chemical vice president and business leader.

His education includes an MBA from Duke University, a Bachelor of Science in chemical engineering from Washington University at St. Louis and a Bachelor of Arts in chemistry from The Colorado College.

Jim is active in his community and professional societies including the Association for Corporate Growth, National Association of Corporate Directors and Turnaround Management Association. He also serves on the board of the South Texas Region of the Arthritis Foundation and recruits for Washington University's undergraduate engineering programs.

Ronald Binz

Colorado Public Utilities Commission

Ron Binz was appointed as Chairman of the Colorado Public Utilities Commission by Governor Bill Ritter in January 2007.

Ron is the Chair of the Task Force on Climate Policy of the National Association of Regulatory Utility Commissioners (NARUC). He serves on NARUC's Energy Resources and Environment Committee and the International Relations Committee. He is the President of the Western Conference of Public Service Commissioners and serves as a NARUC representative on the Advisory Council to the Board of the Electric Power Research Institute (EPRI). Ron is also a member of the Harvard Electricity Policy Group.

Prior to his appointment, Ron was President of Public Policy Consulting, a consultancy specializing in policy and regulatory issues in the telecommunications and energy industries. Ron also served until 2003 as President of the Competition Policy Institute (CPI), in Washington, D.C., a non-profit "consumer think tank" dedicated to bringing competition to telecommunications and energy markets in ways that benefit consumers.

For eleven years, until 1995, Ron directed the Colorado Office of Consumer Counsel, the state's utility consumer advocate. He was President of the National Association of State Utility Consumer Advocates (NASUCA) and chaired the group's Telecommunications Committee.

On behalf of NASUCA, CPI and NARUC, Chairman Binz has testified before Congressional committees sixteen times.

Ron served as the Co-Chair of the North American Numbering Council which advises the Federal Communications Commission on telephone numbering policies and served on the FCC's Network Reliability Council.

Ron received a B.A. in Philosophy from St. Louis University in 1971 and an M.A. in Mathematics from the University of Colorado in 1977. He also completed course work for a Masters Degree in Economics from the University of Colorado.

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John Norris

Federal Energy Regulatory Commission

John R. Norris was nominated by President Barack Obama to the Federal Energy Regulatory Commission and confirmed by the U.S. Senate for a term expiring in June 2012.

Commissioner Norris, a lawyer, has years of experience in energy policy and regulatory affairs. He most recently served as Chief of Staff to Secretary Tom Vilsack of the U.S. Department of Agriculture. Prior to joining the USDA, he served as Chairman of the Iowa Utilities Board (IUB) from 2005 to 2009. During his tenure as IUB Chairman, Commissioner Norris served on the National Association of Regulatory Utility Commissioners (NARUC) Electricity Committee and was Co-Chair of the 2009 National Electricity Delivery Forum.

During his IUB tenure Commissioner Norris also served as a Board Member, Secretary and President of the Organization of Midwest Independent System Operator (MISO) States as well as Chairman of the MISO Demand Response Working Group. He also was a member of the FERC/NARUC Demand Response Collaborative.

Commissioner Norris also has served on the Board of Directors of the National Regulatory Research Institute, as a member of the Board of Trustees of the Iowa Power Fund and on the Advisory Councils of the Iowa Energy Center, the Financial Research Institute for the University of Missouri College of Business and the Center for Global and Regional Environmental Research at the University of Iowa.

In 1999 and 2000, Commissioner Norris was Chairman of the Iowa Electric Restructuring Task Force while serving as Chief of Staff for then-Iowa Governor Tom Vilsack. He also served as Chief of Staff for U.S. Representative Leonard Boswell (IA-3rd) from 1997 to 1998. From 1989 to 1993 he owned and managed a restaurant in Greenfield, Iowa, and he was State Director of the Iowa Farm Unity Coalition during the Farm Crisis of the 1980s.

Commissioner Norris graduated with distinction from the College of Law at the University of Iowa in 1995 and earned his undergraduate degree in 1981 from Simpson College in Indianola, Iowa.

Commissioner Norris, his wife, Jackie, and their three sons live in Washington, D.C.

Paul Gaynor

First Wind

Paul J. Gaynor, Chief Executive Officer, First Wind is responsible for the strategic direction and day-to-day management of First Wind projects in North America.

Mr. Gaynor has more than 20 years of experience in the energy field, encompassing leadership and finance roles in the energy, power, and pipeline sectors. In addition, he has been engaged in several landmark energy and power financings across the globe.

Mr. Gaynor was formerly Chief Financial Officer of Noble Power Assets, LLC, a private equity-backed power acquisition company. Prior to that, he was the Senior Vice President and Chief Development Officer of Singapore Power Group (SP) and Chief Operating Officer of SP International (SPI).

Mr. Gaynor led a comprehensive restructuring of SP and oversaw project development and asset management at SPI. He joined SP as Senior Vice President and Chief Financial Officer, where he was responsible for all financial matters, including leading the initial public offering and introducing world-class finance practices into the organization.

From 1998 to 2000, Mr. Gaynor was the Senior Vice President and Chief Financial Officer of PSG International, a pipeline development company owned by GE Capital and Bechtel Enterprises. PSG developed, financed, built, owned, and operated gas, oil, and water pipeline systems across the globe. Mr. Gaynor assisted in the establishment of the company and oversaw financial matters. He was also responsible for acquiring a 32.5% interest in a natural gas system in Mexico and subsequently sat on the board of directors. In addition, he led the fundraising process for the $3 billion TransCaspian Gas Pipeline project in Central Asia.

Peter Kind

Macquarie Capital Advisers

Peter Kind is a Senior Managing Director in Macquarie Capital (USA) Inc.'s Macquarie Capital Advisors group focusing on coverage of the U.S. Utilities and Power industries.

Peter joined Macquarie in September 2009 to partner in the development of Macquarie's advisory and capital markets coverage activities with the U.S. Power & Utilities industries. Peter's banking experience includes capital markets advisory and transaction execution and strategic advisory services, including merger and acquisition and corporate finance advice. Peter's M&A experience includes all sectors of regulated utility and non-regulated power businesses.

Peter has over 25 years of utility industry investment banking experience, including prior experience at Bank of America, where he lead the Power and Utilities Corporate and Investment Banking effort, and Citigroup and Kidder Peabody, where he co-directed the Power & Utilities industry teams of each of those firms. Prior to investment banking, Peter worked for Arthur Andersen & Co.

Peter holds an MBA in Finance from New York University and BBA in Accounting from Iona College. Peter practiced as a Certified Public Accountant until 1981. Presently, Peter is Co-Chairman of EEI's Wall Street Advisory Group.

Stephen Mehos

Macquarie Capital Advisers

Steve Mehos, Managing Director - Macquarie Capital Advisors. Steve has nearly 20 years of experience in leveraged finance. For eight years he ran Lehman Brothers and Barclays' industrial leveraged finance practice and is leading Macquarie's growing leveraged finance business.

During his career, Steve has originated, structured and executed leveraged loan, bridge and high yield transactions in support of financial sponsor leveraged buyouts, corporate acquisitions, recapitalizations and refinancings. He has negotiated all aspects of legal documentation for leveraged loan and high yield transactions, including commitment letters, first and second lien credit agreements, intercreditor loan agreements and high yield description of notes.

Nick Butcher

Macquarie Capital Advisers

Nick is Head of Macquarie's Infrastructure and Utilities advisory business in the US and Latin America. He manages a team of 75 professionals, which covers the whole sector including roads, airports, rail, ports, power & utilities, renewables, PPPs and non-core infrastructure.

David Roseman

Macquarie Capital Advisers

David is currently the Global Head of the Infrastructure, Utilities & Renewables advisory business. He was previously Australian Head of the Infrastructure group for 9 years.

David has also been ultimately responsible for a number of significant successful bids such as Sydney Airport, ConnectEast and Western Sydney Orbital. All these bids required fully underwritten and competitive debt packages.

Michael Meyers

Macquarie Capital Advisers

Michael joined Macquarie in December 2008. Prior to Macquarie, he worked at Barclays Capital where he was the Head of Private Equity Syndicate. Michael has 18+ years of accumulated experience providing senior oversight and guidance.

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Alan James

Macquarie Capital Advisers

Alan James is Senior Managing Director at Macquarie Capital (USA) Inc. based in New York and leads Macquarie Capital Advisor's Energy Infrastructure team in the America's (utility, power, renewable, smart grid and gas infrastructure). He is an energy and infrastructure specialist having covered these sectors for over 30 years in Australia, Asia, Europe and the America's. Alan has extensive relationships with industry, government, banks and equity (private equity, infrastructure, pension and sovereign funds around the world).

Prior to joining Macquarie in New York in 2005, Alan was Managing Director and Head of Investment Banking in Australia and New Zealand for both Citigroup (2002-2005) and Deutsche Bank (1991-2002) and Joint Global Head of Energy at Deutsche Bank. Over his career Alan has worked in Sydney, London, New York and Asia. Prior to this Alan worked with Exxon Mobil and as a founding partner in a successful energy consulting firm. Most recently, Alan originated and led Macquarie's advisory and financing team on the $7.9 billion acquisition by Macquarie/CPP/bclMC/AIMco consortium of Puget Energy in 2009, and in early 2010 the $550 million acquisition by JPMorgan Infrastructure/Water Asset Management of SouthWest Water He is currently oversighting a number of transactions in the biomass, wind, solar, midstream and utility sectors in the US, Mexico and South America.

Alan is a graduate of the University of Sydney in Australia and is an author of a large number of papers and public addresses on various subjects in corporate finance, privatisation, the utilities/infrastructure sectors, renewable energy, and the energy and earth science sectors. He has lectured at university in Australia and completed post-graduate studies and various management and investment banking courses around the world.

Brent Wahl

Macquarie Capital Advisers

Brent Wahl joined Macquarie in 2010 as a Managing Director in the Infrastructure group and has over 12 years of investment banking experience in the power and midstream sectors. Prior to joining Macquarie, Brent was an Executive Director in the Natural Resources Group at JPMorgan in New York. Brent has extensive experience in financial advisory and M&A. During his career, he has structured and marketed over $45 billion in financings, and advised on over $100 billion of announced M&A assignments.

Michael Allison

Macquarie Capital Advisers

Michael Allison joined Macquarie from Bankers Trust Australia in 1998. Michael is currently head of Renewable Energy in the US for Macquarie Capital. Michael joined Macquarie Capital in July 2007 from the Treasury & Commodities (T&C) division within Macquarie where he headed the Renewable Energy investing effort focused primarily at that time on the biofuels sector. Prior to his work with renewables, Michael was responsible for commodity and derivative trading within T&C. Michael has a degree in business from the University of Technology in Sydney.

Michael has a strong understanding of the renewable sector from both a principal investment and client advisory perspective. Most recently he advised Macquarie Infrastructure Partners on the acquisition of two landfill gas-to-energy projects owned by Ridgewood Renewable Power valued at approximately $350M. In January 2010 Michael led the ~$100M equity follow-on offering for Broadwind a NASDAQ listed maker of components and provider of services for the wind industry, this successful capital raise represented the first pure-play equity offering for a wind company in the US. In 2008 he initiated and executed, on behalf of a Macquarie consortium, a seed investment in the renewable private equity fund Hudson Clean Energy Partners. Michael has significant experience working on all types of transactions including, private equity investments, third party advisory, M&A, equity capital markets and asset acquisitions across a broad range of technologies including wind, solar, biomass, landfill gas-to-energy and ethanol. Michael has experience as a board member of both private companies as well as Macquarie affiliates.

Michael Cosgrove

GFI Group, Inc.

In July 2010, after two years as Head of Commodities and Energy Product Brokerage, Mr Cosgrove remains a Managing Director at GFI Group with the responsibility of directing the firm's strategic initiatives in the North American commodities and energy sectors.

Mr. Cosgrove began his career in 1981 with Amerex as a crude oil broker. In 1986 he became a Managing Partner in charge of Amerex's U.K. and European businesses. In 1989 he returned to the United States and began a fifteen year program of business development that resulted in the establishment of six Amerex offices globally covering a broad range of energy, petrochemical and environmental markets. In 2006, as CEO, Mr. Cosgrove organized the sale of the North American Amerex businesses to GFI Group, Inc (NYSE: GFIG). In the following year Tullet Prebon acquired the London-based Amerex businesses.

Michael has been named to the Energy Risk Hall of Fame and is a frequent speaker at industry conferences. Michael has also appeared on CNBC's Squak on the Street and has been quoted in The Wall Street Journal, Reuters and Bloomberg News. Mr. Cosgrove is a member of the CFTC Technical Advisory Committee and holds FINRA series 7 and 24 and NFA series III licenses and is currently a CFA level II candidate.

John Bohn

Globalnet Partners

Ambassador John A. Bohn currently serves as a Commissioner of the California Public Utilities Commission (CPUC). He was appointed by Governor Schwarzenegger in May 2005 for a six year term. The Commission's focus for the State of California is on climate change, energy, and water issues, as well as developments in clean technology solutions.

In addition to his duties at the CPUC, Commissioner Bohn serves as a Director of the National Endowment for Democracy in Washington DC, and is on the Advisory Board of the Yale Institute for Corporate Governance and Performance. He is a member of the Center for Capital Markets Competitiveness chartered by the U.S. Chamber of Commerce to advise on the reform capital markets for the 21st Century. Commissioner Bohn is a principal in GlobalNet Partners, N.A., LLC, a global advisory and consulting firm.

Prior to his present position, Commissioner Bohn was a co-founder and Executive Chairman of CheMatch.com (now Chemconnect), an Internet based trading exchange for petrochemicals. He spent 1-1/2 years at Burson-Marsteller, where he served as Managing Director, focusing on international markets, and economic resources issues, and was special advisor to the Government of Korea during the Asian financial crisis. From 1989-1996, Commissioner Bohn served as President and Chief Executive Officer of Moody's Investors Service.

In 1981, Commissioner Bohn joined the President Reagan Administration as Special Assistant to Treasury Secretary Don Regan, and was subsequently appointed by President Reagan as U.S. Ambassador and Executive Director of the Asian Development Bank. In 1984, President Reagan appointed Commissioner Bohn to the post of Vice Chairman of the Export Import Bank of the United States, and later as chairman and CEO.

Commissioner Bohn began his career practicing law in California and the Pacific, and subsequently spent 13 years as an international banker with Wells Fargo, which included 4-1/2 years in Tokyo, with responsibility for the bank's Asian activities. Later he served as Division Manager for Trade Finance, private banking, and multinational banking.

A graduate with honors from Stanford University, Commissioner Bohn attended the London School of Economics as a Fulbright scholar, and received his JD from the Harvard Law School. He is a member of the California State Bar and the Bar of the Supreme Court of the United States.

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John Anderson

John Hancock

John Anderson is Head of Power and Infrastructure Finance at John Hancock. His team manages a $17 billion portfolio of public bonds, private placement debt, and private equity investments. In 2010, they invested $3.5 billion in the power industry and other infrastructure sectors, and were consistently impressed with the insight and movie-star good looks of Macquarie banking teams.

A frequent speaker on financing conditions for the power industry, Mr. Anderson has addressed groups including the Federal Energy Regulatory Commission, State Utility Regulators, Electric Power Supply Association, the American Council on Renewable Energy, and numerous utility and independent power conferences.

Mr. Anderson has worked in the financing of the power industry since 1992, as an investor, as an arranger of financing, and as a financial advisor to power, energy, and environmental companies in both developed and developing markets. Prior to joining John Hancock in 2001, Mr. Anderson worked in the New York and London offices of JP Morgan Chase, where he led teams that advised on or arranged more than US$8 billion in debt financing from the syndicated loan and bond markets.

Mr. Anderson holds an MBA from Georgetown University and a BA in Economics from The University of Chicago. Mr. Anderson speaks French, Spanish, German, Russian, and Serbo-Croatian at an intermediate level, and would not be mistaken for a native speaker in any of these languages. Prior to joining the private sector, he served as an Intelligence Officer with the Central Intelligence Agency.

Patrick Eilers

Madison Dearborn Partners Inc.

Patrick C. Eilers, Managing Director - B.S., University of Notre Dame; M.B.A., Northwestern University J.L. Kellogg Graduate School of Management.

Prior to joining MDP, Mr. Eilers was with Jordan Industries, Inc. and IAI Venture Capital, Inc. and played professional football with the Chicago Bears, Washington Redskins, and Minnesota Vikings. Mr. Eilers concentrates on investments in the energy and power sector and currently serves on the Board of Directors of First Wind Partners, LLC, Magellan GP, LLC, Magellan Midstream Holdings GP, LLC, and US Power Generating Company. Mr. Eilers serves on the Executive Committee of the U.S. Partnership for Renewable Energy Finance (US PREF), a program of the American Council On Renewable Energy (ACORE). Mr. Eilers is also a member of the University of Notre Dame College of Engineering Advisory Council, and serves on the Board of Trustees of Hales Franciscan High School and Cristo Rey Jesuit High School.

Mark Sidran

Mark Sidran Consulting

Mark Sidran served as chairman of the Washington Utilities and Transportation Commission between 2005 and 2009. During his tenure, he also served on the National Association of Regulatory Commissioners Board of Directors, on NARUC's Electricity Committee and on the Advisory Council of the New Mexico State University Center for Public Utilities.

Prior to serving on the commission, he practiced law for 30 years, including three terms as Seattle's elected city attorney, overseeing a staff of 70 attorneys and 100 staff, which among other things provided legal services to Seattle's municipally-owned utilities, including electricity, water, and solid waste.

Mark's civic activities include serving on the board of the Downtown Emergency Service Center, Washington state's largest social service agency for the homeless.

Born and raised in Seattle, he is a graduate of Harvard College and the University of Washington Law School. Mark and his wife, Anais Winant, reside on Vashon Island near Seattle, where he 'works' as a consultant.

Boucher personally negotiated the key concessions with Energy and Commerce Committee Chairman Henry Waxman which resulted in the major investor owned utilities endorsing house passage of the Waxman-Markey Legislation. Through the spring months of 2009, Rick worked directly and extensively with the CEOs of the major coal-fired investor owned utilities, including American Electric Power Co., Duke Energy and Dominion Energy, and with the CEO of the Edison Electric Institute, the leading trade association for investor-owned utilities, in achieving major changes to the Waxman-Markey legislation. These negotiated changes brought the bill the support from the business community needed to achieve House passage of the legislation.

During the Energy and Commerce Committee Debate on the 1990 Clean Air Act Amendments, Rick was the major proponent of provisions enabling electric utilities to have a choice of installing scrubbers or switching to coal with lower sulfur content in meeting new sulfur dioxide emission requirements. In subsequent years, fuel switching became a preferred lower-cost means of meeting the requirements of the 1990 law.

Rick enjoys a broad range of outdoor activities, including skiing, backpacking, biking and jogging. Rick and his wife Amy, a newspaper and independent book editor, reside in Abingdon, VA.

Ben Fowke

Xcel Energy

Benjamin G.S. Fowke, III, president and chief operating officer (COO) of Xcel Energy with responsibility for overall corporate operations as well as Xcel Energy's four operating companies that do business in eight states. Before assuming his current responsibilities, Fowke held a variety of executive positions at the company, including vice president and chief financial officer (CFO) and vice president and CFO of Energy Markets, where he was responsible for the financial operations of the company's commodities trading and marketing business unit. Prior to the 2000 merger of Northern States Power Co. and New Century Energies (NCE) to form Xcel Energy, he was a vice president in the NCE Retail business unit.

Prior to Xcel Energy, Fowke served 10 years with FPL Group, Inc., where he held various management positions. He also has held positions outside the energy industry with DWG Corp. and KPMG.

He currently serves on the board of directors of the American Gas Association and the Minnesota Orchestra.

Fowke earned a Bachelor of Science degree in finance and accounting from Towson University and obtained his CPA in 1982.

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In his position as president and chief executive officer, Mr. Torgerson has an active role in the community. His current activities include:

- Board member and Vice-chair of St. Raphael Healthcare System
- Board member and Chair of REX Regional Growth Partnership
- Board member of Edison Electric Institute
- Board member emeritus of Connecticut Business and Industry Association
- Board member and Chair of The Connecticut Regional Institute for the 21st Century
- Member of Regional Leadership Council of New Haven
- Trustee – Foundation for the Advancement of Catholic Schools

A native of Cleveland, Ohio, Mr. Torgerson received a Bachelor of Business Administration in accounting from Cleveland State University.

Christopher Smith

US Department of Energy

Christopher Smith is Deputy Assistant Secretary for Oil and Natural Gas in the Office of Fossil Energy of the U.S. Department of Energy. In this position, Smith is responsible for administering domestic and international oil and gas programs, including research and development, policy analysis, and natural gas import and export licensing. The Oil and Natural Gas Office leads the Department of Energy's LNG program which involves the analysis of safety and other technical issues.

Prior to his appointment in October of 2009, Smith served in managerial and analytical positions of increasing responsibility in the private sector. Most recently he spent eleven years with two major international oil companies focused primarily on upstream business development and LNG trading, including three years negotiating production and transportation agreements in Bogotá, Colombia.

Smith began his career as an officer in the U. S. Army and served tours in Korea and Hawaii. He subsequently worked for Citibank and JPMorgan in New York City and London in the area of emerging markets and currency derivatives.

Smith holds a bachelor's degree in Engineering Management from the United States Military Academy at West Point and an MBA from Cambridge University.

Smith is married to Dr. Patricia Smith. They reside in Alexandria with their two children.

Rick Boucher

US House of Representatives

Rick Boucher is a former member of the United States House of Representatives, serving from 1983 until 2010. Throughout this time, Rick has acted as Chairman for the Subcommittee on Science of the U.S. House Committee on Science and Technology (1991 - 1994), and Chairman for the Subcommittees on Energy and Air Quality (2007 - 2008), and Communications, Technology and the Internet (2009 - 2010); both of the U.S. house Committee on Energy and Commerce. He is also the Co-founder and Co-chair of the Congressional Internet Caucus from 1996 - 2010. Prior to his election to Congress, he served for seven years as a member of the Senate of Virginia.

Along with being very involved with Internet-regulated legislation, having actively participated in every major telecommunications legislative debate of the past 25 years, Boucher also has many notable accomplishments in the Energy sector. As Chairman of the Energy and Air Quality Subcommittee, Rick organized and chaired 28 days of hearings on global climate change and drafted in the fall of 2008 with Energy and Commerce Committee Chairman John Dingell a discussion draft of cap and trade legislation for greenhouse gas emission control. The Dingell-Boucher discussion draft was the legislative foundation for the Waxman - Markey Clean Energy Security Act, the cap and trade program for greenhouse gas regulation, which passed the House in June of 2009.

John R. Bear

Midwest Transmission Systems Operator, Inc.

John Bear is President and Chief Executive Officer of the Midwest ISO, a nonprofit regional transmission organization that manages one of the world's largest wholesale energy markets.

Midwest ISO creates added value through reliable market operations that meet the region's resource adequacy needs, expanded transmission planning, and innovation in demand response.

Mr. Bear also is Vice President of the Very Large Power Grid Operators, an association of the 12 largest international power grid operators. He is a former member of the ReliabilityFirst Board of Directors, and a current member of the Make-A-Wish Foundation, Indiana, regional board of directors.

Previously, Mr. Bear was President and Chief Operating Officer of the Midwest ISO, overseeing market operations, transmission planning, strategic planning, and information technology.

Robert Clayton

Missouri Public Service Commission

Commissioner Robert M. Clayton III was appointed by Governor Bob Holden to a six-year term on the Public Service Commission, receiving Senate confirmation on May 8, 2003. He was appointed chairman by Gov. Jay Nixon on January 13, 2009. He served as chairman until Feb. 9, 2011.

Prior to his appointment to the PSC, Commissioner Clayton was an attorney in private law practice in Hannibal as a partner in the general practice firm, Clayton & Curl L.L.C. Commissioner Clayton formerly served Marion and Shelby County constituents in the Missouri General Assembly as the state representative from the 10th District. He was first elected to the Missouri House in 1994 and served four consecutive terms.

As a state legislator, he chaired the House Ethics Committee and the Joint Committee on Legislative Research and was Vice-Chairman of the Committee on Criminal Law. He also served on additional House committees including, Appropriations-Transportation, Agriculture and the Judiciary. While in the General Assembly, Clayton served on the Executive Committees of the Council of State Governments and the Southern Legislative Conference.

Commissioner Clayton is an active member of the National Association of Regulatory Utility Commissioners (NARUC). He is a former Chairman of the Committee on International Relations, which included serving as the NARUC representative appointed to attend the Presidium of the Energy Regulators Regional Association (ERRA) of Eastern and Central Europe. He has worked with several member nations of the African Forum for Utility Regulation (AFUR) including the nations of Rwanda and Uganda. He has also offered presentations on energy regulation in Azerbaijan, Hungary and before the Organization of Caribbean Utility Regulators.

Commissioner Clayton was also appointed to chair the Program Advisory Committee for the World Forum on Energy Regulation III, held in October 2006, in Washington, DC. The third triennial conference of its kind (the prior events were held in Montreal, Canada, and Rome, Italy), the World Forum hosted energy regulators, investors and stakeholders from 84 countries. As Chair of the Program Advisory Committee, Clayton's committee developed the comprehensive program agenda by coordinating topics of interest for all regulators, regardless of the maturity level of a nation's economy. The program highlighted 125 speakers with 28 different sessions of energy regulatory topics.

Commissioner Clayton also serves as a general member of the NARUC Telecommunications Committee and is involved in various organizations charged with the regulation and monitoring of telephone utilities. Clayton served as chairman of the Missouri Universal Service Board and is a state commission member of the FCC appointed North American Numbering Council. He is also a member of the Federal Communications Bar Association and the Public Utility, Communications and Transportation Law Section of the American Bar Association. He serves on the Homeland Security Advisory Council, is a member of the Missouri Oil and Gas Council and serves on the Financial Research Institute Advisory Committee.

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Commissioner Clayton also serves as a member of the Washington Action Committee as well as the NARUC Subcommittee on Education and Research. He also serves as a member of the NARUC/FERC Smart Grid Collaborative.

Commissioner Clayton received the UMKC Law Foundation Decade Award for Achievement in his first ten years of work following law school. He is also a past recipient of the President's Award from the Missouri Bar Association and the Kansas City Metropolitan Bar Association. Clayton also serves as a board member for the Mark Twain Home Foundation.

Commissioner Clayton received his Bachelor of Arts in History from Southern Methodist University in 1991 and earned his Juris Doctor from the University of Missouri-Kansas City in 1994.

Commissioner Clayton and his wife Erin have two daughters, Olivia and Paige.

Bill Myers

National Center for Atmospheric Research

Bill Myers is a Senior Software Engineer at NCAR/RAP. He studied mathematics at Dartmouth College (B.A. 1980) and the University of Washington (M.A. 1982). He earned his Computer Science Ph.D. at the University of Colorado in Boulder in 1999. Bill began work at NCAR in 1987 working on the development of the Terminal Doppler Weather Radar (TDWR) windshear detection system. He gained expertise in real-time 3-dimensional graphics and developed a system known as the Three Dimensional Terminal Viewer (3DTV), which was the basis for several patents. During the following years, he performed research in the optimal routing of aircraft around dynamic weather hazards. This algorithmic route-finding work coupled with novel visualization techniques formed the basis for his Ph.D. thesis.

Over the past ten years, Bill has led the development of the Dynamic Integrated ForeCast (DICast) system. This system combines data from a variety of sources using statistical and fuzzy logic techniques to produce forecasts that are superior to NWS forecast guidance. On this project, Bill has been responsible for engineering oversight, software development, and algorithmic research. The original sponsor of this work has made the DICast system central to their commercial operations, a testament to its robustness.

During those ten years, Bill has led efforts to build Decision Support Systems driven by DICast data. These efforts span road weather, agriculture, and, most recently, wind energy. For the wind energy system, developed for Xcel Energy, Bill adapted the DICast system to predict wind speed at turbine hub height and integrated this with advanced power conversion algorithms.

Recently, Bill has become the Chief Architect of Global Weather Corporation, a precision weather forecasting company.

Robert E. Curry

New York Public Services Commission

Robert E. Curry, Jr. was appointed Commissioner of the New York State Public Service Commission on June 22, 2006. His term runs through February 1, 2012. A member of the Committee on Energy Resources and the Environment of the National Association of Regulatory Utility Commissioners (NARUC), he is also Vice-Chair of the Department of Energy/NARUC LNG Partnership.

Immediately prior to his appointment, Mr. Curry was a lawyer in private practice with an emphasis on corporate governance and transactional work. During his legal career, Mr. Curry has been a partner at several law firms, including Heller Ehrman, Sonnenschein, and Dickstein Shapiro. In addition to his law firm experience, he served as Senior Vice President and General Counsel of Covanta Holding Corporation (formerly Odgen Corporation) during its transformation from a Fortune 150 industrial company to a Fortune 50 services company.

At Covanta and thereafter, Mr. Curry had extensive involvement with PURPA projects in renewable generation, both in hydro-electric and refuse-to-energy, and with the

Mr. Raisler is a member of the board of trustees of NYU Law School and chair of the board's development committee. He also is chairman of the board of The Way to Work, a nonprofit youth education and job training organization.

Rankings and Recognitions

- Chambers Global: The World's Leading Lawyers for Business – Derivatives (2000-2001, 2001-2002, 2002-2003, 2003, 2004-2005, 2006, 2007, 2008, 2009, 2010)
- Chambers USA: America's Leading Lawyers for Business –Derivatives (2003-2004, 2004, 2005, 2006, 2007, 2008, 2009, 2010)
- PLC Cross-border Capital Markets Handbook (2009)
- PLC Cross-border Finance: Secured Lending Handbook (2006-2007, 2007-2008, 2008-2009)
- PLC Which Lawyer? Yearbook (2001-2002, 2002-2003, 2003-2004, 2005, 2006, 2007, 2008, 2009)
- The Best Lawyers in America (2006, 2007, 2008, 2009, 2010, 2011)
- The Legal 500, United States (2010)
- Lawdragon 3000: Leading Lawyers in America (2009-2010)
- New York Super Lawyers – Securities and Corporate Finance (2006, 2007, 2008, 2009, 2010)

Peter Stockman

The Depository Trust & Clearing Corporation

Peter Stockman is Senior Commodities Advisor with the Depository Trust & Clearing Corporation (DTCC). In this role he is responsible for development and implementation of commodity infrastructure solutions which reduce cost and improve efficiency of commodity markets, globally. He led the development of DTCC's OTC commodity derivative servicing program. He is leading the launch of the commodities component of DTCC's cross-asset class swap data repository (SDR).

For more than 20 years, Peter has worked in Europe and North America with investment banks, exchanges, clearinghouses and energy companies on issues related to new product strategy and risk management. His current work focuses on clearing and settlement infrastructure for environmental markets.

Prior to DTCC was a Peter was Partner with Accenture in that firm's Global Financial Markets and Global Resources (Energy) industry practices.

Peter is holds a BA degree from Reed College and a MBA degree in finance and strategy from the University of Chicago Booth School of Business.

Jim Torgerson

UIL Holdings Corporation

Mr. Torgerson, 58, is President and Chief Executive Officer of UIL Holdings Corporation, which is the holding company for The United Illuminating Company (UI), The Southern Connecticut Gas Company, Connecticut Natural Gas Corporation, and The Berkshire Gas Company. He became President of UIL in January 2006 and CEO of UIL in July 2006. He became CEO of UI in April 2006. UIL completed its acquisition of the three gas companies on November 16, 2010.

Prior to joining UIL Holdings Corporation, Mr. Torgerson served as President and Chief Executive Officer of the Midwest Independent Transmission System Operator, Inc., and was a member of the Board of Directors.

Before joining the Midwest ISO, Mr. Torgerson served as Chief Financial Officer for several gas and electric utilities in North America. Prior to Mr. Torgerson's move into the utility industry, he served as Vice President of Development for Diamond Shamrock Corporation where he also held a number of finance and strategic planning positions.

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Rick LeBlanc

SkyFuel Inc.

Rick LeBlanc is the president and CEO of SkyFuel Inc. and chairman of its Board of Directors. He is a seasoned senior executive with experience in utility scale solar, biofuels, green buildings and advanced building control systems.

Mr. LeBlanc has a diverse background with career success at both large global corporations and early stage VC backed start-ups. Prior to joining SkyFuel Mr. LeBlanc was CEO of Chemrec AB, a venture-backed biofuels technology firm based in Sweden. Before Chemrec, Mr. LeBlanc was a division president at Siemens Building Technologies where he oversaw the US operations for building automation and energy management services with a specialty in green buildings. Prior to Siemens, Mr. LeBlanc was president of MicroLite, a lighting controls company. Before that he co-founded, Shared Communications Systems, a VC funded firm that specialized in the design and operation of intelligent or 'smart' buildings.

Mr. LeBlanc is a frequent speaker on the topics of renewable energy sources, green buildings, sustainability and commercialization of advanced technologies.

Michael Whalen

SolarReserve

Mr. Whalen has advised or led the successful financing of more than $15 billion in capital for projects in the energy, natural resources and infrastructure sectors in the Americas, Europe, the Middle East and Asia-Pacific. These have included several award-winning transactions such as: the first project financing (and refinancing) of a major greenfield liquefied natural gas facility in the United States; one of the first project finance transactions in Argentina following its economic crisis; and world-scale process industry facilities in Egypt and Saudi Arabia. He recently advised an infrastructure client on its winning acquisition financing strategy for a major North American container terminal portfolio and the first ever financing of an LNG terminal in the Southern Hemisphere.

Prior to joining SolarReserve, Mr. Whalen established and headed HSBC's project finance team in New York for the Americas. He led his team in advising and advising/lead arranging Project Finance's "Americas Deal of the Year" for two of the last three years. He joined HSBC from Bank of America, where he was co-head of the Energy & Power Finance team for Europe, Middle East and Africa based in London, where Mr. Whalen led the advisory team for a $1.5 billion refinery and petrochemical facility in Oman and a petrochemical facility in Egypt. Prior to that assignment, he was based in Hong Kong where his transactional experience ranged from a restructuring of a recycled newsprint facility in Malaysia to a world-scale integrated petrochemical complex in Indonesia. Before Bank of America, Mr. Whalen was part of Mobil Corporation's finance group in Fairfax, Virginia, London and Singapore, principally on project finance transactions in the Middle East, the former Soviet Union and in the Asia Pacific region. Mr. Whalen was awarded an MBA and a BA (Honors) from the University of Texas at Austin.

Ken Raisler

Sullivan & Cromwell

Kenneth Raisler is head of Sullivan & Cromwell's Commodities, Futures and Derivatives Group. The Group is responsible for a full range of regulatory, transactional and litigation advice in the commodities, securities and banking areas to its brokerage, investment banking, banking and commercial clients.

Mr. Raisler was an assistant U.S. attorney for the District of Columbia from 1977 to 1982 in the Criminal and Civil Divisions. He then joined the Commodity Futures Trading Commission as deputy general counsel and was the general counsel of the Commission from 1983 to 1987. Mr. Raisler was the chairman of the New York City Bar Committee on Futures Regulation from 1988 to 1991. He currently is vice chair of the ABA Derivatives and Futures Law Committee. He was a member of the Working Group of The Group of Thirty Derivatives Project. Since 1992, he has been a member of the board of directors of the Futures Industry Association. He also is a member of the board of directors of the Managed Funds Association.

transportation of LNG and other petroleum products. Mr. Curry has also worked in the field of offshore exploration and production of hydro-carbons in the Gulf of Mexico. In addition, while in private practice, he represented for a number of years a thrift subject to regulatory scrutiny, as well as one of the 'Big Four' accounting and consulting firms.

A member of the Board of Advisors of the Columbia Law School Center on Corporate Governance since 2004, Mr. Curry has spoken at the ALI – ABA Corporate Governance Institute and the annual meeting of the National Association of Corporate Directors, as well as numerous programs at NARUC and in the industry. Mr. Curry has served on the New York State Bar Association's Special Committee on Preserving the Core Values of the Legal Profession and as General Counsel of The Foundation for Early Lung Cancer Detection. Mr. Curry also was a Co-Founder, and thereafter President, of the Metropolitan New York Chapter of the Association of Corporate Counsel.

Mr. Curry received his law degree from Columbia University School of Law and his Bachelor of Arts degree, with honors, from Georgetown University. He and his wife Margaret have a daughter, Bevin and a son, Rob.

Paul Cusenza

Nodal Exchange

Mr. Cusenza is CEO of Nodal Exchange, LLC, which is a cash-settled electric power futures exchange providing participants the ability to trade and central counterparty clear (through LCH. Clearnet) hub, zone and nodal power contracts in North America. The company also offers natural gas contracts. He led the company to its commencement of trading in April of 2009. Nodal Exchange was named "Innovation of the Year" at the 2010 Energy Risk Awards and received the "2010 Platts Global Energy Award of Excellence." He has over twenty-five years of experience in building and managing businesses. He was a co-Founder and co-President of 23andMe, a personal genetics company which Time Magazine identified as "The Best Invention of the Year", and the Senior Vice President of Marketing and Alliance Management at Perlegen Sciences. He was part of the Senior Management Team of Capital One Financial during a period of great growth in the 1990s. Prior to Capital One Financial, he was a Vice President and Partner at Mercer Management Consulting (now Oliver Wyman) for nearly a decade focusing on financial services. He also worked for IBM early in his career. Mr. Cusenza holds a Masters of Business Administration degree from the Harvard Business School and a B.S.E. in Mechanical Engineering from the University of Michigan.

Sean Trauschke

OGE Energy Corp

Sean Trauschke assumed the position of Vice President and Chief Financial Officer for OGE Energy Corp. on April 27, 2009. He is responsible for managing the financial affairs of the company. This responsibility includes accounting, finance, treasury, budgeting, financial planning, investor relations, risk management, insurance as well as the energy marketing company.

Prior to joining OGE he was Senior Vice President of Investor Relations and Financial Planning at Duke Energy. Prior to that role, he has served in various leadership positions in finance and supply chain, as well as Chief Risk Officer.

He holds a Bachelor of Science degree in mechanical engineering from the University of North Carolina at Charlotte and a Master's Degree in Business Administration from the University of South Carolina. He also completed the Advanced Management Program at the Harvard Business School.

Throughout his professional career, Trauschke has been active in numerous civic and community organizations and currently serves on the Board of Directors for the St. Anthony Foundation and YMCA of Greater Oklahoma City.

Sean and his wife, Jill, have two daughters and a son.

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Bob Shapard

Oncor

Robert S. Shapard, 55, is chairman and CEO of Oncor Electric Delivery, formerly named TXU Electric Delivery

As CEO of Oncor, Shapard is focused on achieving the objectives of industry-leading reliability, customer service and cost productivity. He is also overseeing Oncor's infrastructure investment program, which is focused on transmission and distribution network expansion and upgrades, including the largest deployment of automated meters in the state and other new digital technologies across the network.

A native of Texas, Shapard has a wealth of operating, financial and leadership experience from past positions. He rejoined TXU in late 2005 as a strategic advisor, helping to implement and execute growth and development strategies for the electric delivery subsidiary. Previously, he had served the company for 20 years in various financial and operating leadership roles, finishing as managing director of former subsidiary TXU Australia which owned and operated an electric generation business, a wholesale trading business, electric and gas retail, and electric and gas regulated utility businesses.

Randall Mehrberg

PSEG

Randall E. Mehrberg is president of PSEG Energy Holdings and Co-Chairman of Garden State Offshore Energy. PSEG Energy Holdings develops, manages and owns renewable energy solutions including solar, energy storage and off shore wind. PSEG Energy Holdings also owns power plants in the United States and energy and other investments in the United States and abroad. Mehrberg is also PSEG's executive vice president responsible for corporate strategy, public affairs, policy, mergers and acquisitions, environmental health and safety and corporate communications. He is a member of PSEG's corporate executive leadership team and has responsibility for overseeing the corporate balanced scorecard. Mehrberg's responsibilities include PSEG's emergent technology and transfer group, ensuring development of a corporate strategy that includes a comprehensive assessment of the role of technology in the future of our industry.

Mehrberg joined PSEG after serving for eight years in various executive leadership positions at Chicago-based Exelon Corp., most recently as executive vice president, chief administrative officer and chief legal officer. Prior to his tenure at Exelon, Mehrberg was an equity partner in the Chicago law firm of Jenner & Block, where he worked from 1980 to 1993 and again from 1997 to 2000. He represented corporations, individuals, not-for-profits and government entities in a broad range of matters. From 1993 to 1997 he served as lakefront director and general counsel for the City of Chicago's Park District.

Barry Smitherman

Public Utility Commission of Texas

Barry Smitherman is a fourth generation Texan appointed by Governor Rick Perry to the PUCT on April 21, 2004. He was reappointed on September 13, 2007 and promoted to Chairman on November 14, 2007. In March 2008, Barry was appointed to the U.S. Department of Energy's (DOE) Electricity Advisory Committee (EAC) by Secretary of Energy Samuel Bodman. In August 2010, he was reappointed by Secretary Steven Chu. In 2009, he received the State Leadership award from the American Wind Energy Association for the PUCT's pioneering renewable energy zone policy for proactive transmission development. He was recently selected one of the Energy and Utility Industry's "Great Transformers" for 2010 by a partnership which includes Utilicast and Forbes magazine. In May 2010, Barry was recognized for "Outstanding Contributions and Dedication to Public Service as Chairman of the PUCT" by the CenTex Chapter of the American Society for Public Administration.

Barry is a member of the State Bar of Texas, a member of the Governor Perry's Competitiveness Council and Vice Chairman of the Governor's Advisory panel on Federal Environmental Regulation, an ex officio board member of the Electric Reliability Council of Texas (ERCOT), secretary/treasurer of the Regional State Committee (RSC) for the Southwest Power Pool (SPP) where he was one of the Synergistic Planning Project Team (SPPT) members which devised a new long term integrated transmission expansion planning process and cost allocation methodology – a process and methodology recently approved by the FERC, and he is a member of the National Association of Regulatory Utility Commissioners (NARUC) Committee on Energy Resources and the Environment (ERE).

Barry grew up in Highlands, Texas; a working class neighbourhood on the east side of Houston. He graduated from Ross Sterling High School in Baytown and continued his education at Texas A&M University receiving a BBA summa cum laude. He received his J.D. from The University of Texas School of Law while working at the State Capitol for Senator Lindon Williams. Afterward he received a M.P.A. at Harvard University and was awarded the first Joel Leff Fellowship in Political Economy by the Kennedy School of Government.

For 16 years Barry was a public finance investment banker working with state and local governments throughout the South, Southwest and Midwest to build infrastructure projects such as roads, bridges, airports, water and sewer systems, schools, hospitals, and sports facilities. He held leadership positions with First Boston, Lazard Freres, JP Morgan Securities, and Bank One Capital Markets where he was National Head of the Tax Exempt Department. During this time he helped municipalities save hundreds of millions of dollars in debt service.

Barry has also been a prosecutor with the Harris County District Attorney's office. During this time he successfully prosecuted many jury trials against defendants charged with DWI, assault, theft, possession of controlled substance, and numerous other crimes.

In 1990, Barry was a member of the American Center for International Leadership delegation to the former Soviet Union. In 1996, Barry was a delegate to the State Republican convention in San Antonio. Barry is also a former adjunct professor of public administration at the University of St. Thomas in Houston and a former member of the Boards of the Texas Public Finance Authority, and the Harris County Health Facilities Development Corporation.

He and his wife of 24 years live in Austin with two of their four wonderful children. Their two oldest sons attend Texas A&M University.

Kimberly J. Harris

Puget Sound Energy

Kimberly J. Harris is president of Washington-based Puget Sound Energy, the utility subsidiary of Puget Energy.

Since joining PSE in 1999, Harris has held several key leadership positions of increasing responsibility. From May 2007 through June 2010, she served as executive vice president and chief resource officer, responsible for all of PSE's energy resources, including project development and contract management, energy efficiency services and federal government relations. Prior to that, she was senior vice president of Regulatory Policy and Energy Efficiency. She has also served as vice president of Regulatory and Government Affairs, director of Load Resource Strategies and associate general counsel.

In addition to her responsibilities with PSE, Harris serves on the Washington state Clean Energy Leadership Council and the Energy Strategy Advisory Committee. She is also a member of the board of directors of the American Red Cross of King and Kitsap counties.

Kimberly is married with two grown children.

Sheldon Kimber

Recurrent Energy

Sheldon is senior vice president of development at Recurrent Energy and leads all North American project development, expansion, and origination activities. In this role, Sheldon drove the expansion of the company's development strategy from a small scale rooftop developer with less than 100MW pipeline to a leading utility scale PV developer with hundreds of MW of contracted projects and a pipeline of 2GW+. Formerly Recurrent Energy's vice president of finance, Sheldon was instrumental in developing and negotiating the company's first projects, fund raising efforts, and joint venture agreements.

Sheldon brings over a decade of experience in energy finance and development to Recurrent Energy. Prior to joining Recurrent Energy, Sheldon spent five years at Calpine, working on gas-fired power projects and power purchase agreements with utilities and large energy customers. He also worked as an investment banker for industrial and natural resource companies at Goldman Sachs, and in Accenture's strategy consulting practice, specializing in power price forecasting and asset valuation projects for utility clients. Sheldon holds an MBA from UC Berkeley's Haas School of Business, where he currently teaches project finance, and a BA in Economics from Kenyon College.

CPUC05842

THE BIG QUESTIONS

MACQUARIE
UTILITIES, POWER AND GAS CONFERENCE
MARCH 2011
VAIL, COLORADO

MACQUARIE

AGENDA ENCLOSED

MACQUARIE

Key contacts and general information

Conference venue

Vail Cascade Resort and Spa
1300 Westhaven Drive
Vail, CO 81657

Phone: 800-282-4183 or 970-476-7111

Conference management

Erica Robins Email: erica.robins@macquarie.com	646 886 2595
Alisa Zammit Email: alisa.zammit@macquarie.com	646 732 8700
Heather Dusek Email: heather.dusek@macquarie.com	281 615 2089
Karen Arends Email: karen.arends@macquarie.com	646 238 7499

Conference hosts

Alan James Email: alan.james@macquarie.com	646 220 6943
Peter Kind Email: peter.kind@macquarie.com	516 450 1800
Ben Preston Email: ben.preston@macquarie.com	713 502 3649

Conference venue

FLOOR PLAN

Cascade Ballroom
Mountain View Room
Centennial Ballroom

AGENDA

SUNDAY
March 27, 2011

TIME	SESSION	
9.30am – 5.00pm	**Conference Registration**	*Mountain View Room*
5.30pm	**Cocktail Reception**	*Centennial Ballroom*
6.15pm	**Dinner and Opening Address** **Guest Speaker:** The Honorable Rick Boucher, Former Member of Congress, US House of Representatives "Energy Policy – Where to From Here?"	

MONDAY
March 28, 2011
Regulated Markets and Assets

TIME	SESSION	
7.00am	**Breakfast**	*Centennial Ballroom*
7.30am – 8.30am	**Energy Policy Roundtable:** **The Changing Tide in Washington** **Presenters:** Moderator: Alan James, Senior Managing Director, Macquarie Capital Advisors • The Honorable Rick Boucher, former Congressman • The Honorable Barry Smitherman, Chairman, Public Utility Commission of Texas • The Honorable John Bohn, Principal, Globalnet Partners • Sue Tierney, Managing Principal, Analysis Group • Ben Fowke, President and Chief Operating Officer, Xcel Energy • Michael Whalen, Chief Financial Officer, Solar Reserve	
8.30am – 9.30am	**Does Utility Regulation Support Value Creation and Economic Growth?** **Presenters:** Moderator: Peter Kind, Senior Managing Director, Macquarie Capital Advisors • Angie Storozynski, Managing Director, Macquarie Securities • Bob Shapard, Chairman and Chief Executive Officer, Oncor • Stephan Haynes, Vice President - Strategic and Initiatives and CFO, American Electric Power • Jim Torgerson, President and Chief Executive Officer, UIL Holdings Corporation • The Honorable Timothy Simon, Commissioner, California Public Utilities Commission • The Honorable Robert Curry, Commissioner, New York Public Service Commission	

MONDAY
March 28, 2011

TIME	SESSION	
9.30am – 10.30am	**Can we Develop a Diverse Power Supply Mix?** **Presenters:** Moderator: Peter Kind, Senior Managing Director, Macquarie Capital Advisors • Sean Trauschke, Vice President and Chief Financial Officer, OGE Energy Corp • Randall Mehrberg, President, PSEG Energy Holdings • Patrick Eilers, Managing Director, Madison Dearborn Partners Inc • Christina Lampe-Onnerud, Founder and Executive Chairman, Boston-Power, Inc • The Honorable Barry Smitherman, Chairman, Public Utility Commission of Texas • The Honorable Robert Clayton, Chairman, Missouri Public Service Commission	
10.30am – 11.00am	**Coffee Break**	
11.00am – 11.45am	**Are Renewables Stuck in Neutral?** **Presenters:** Moderator: Michael Allison, Managing Director, Macquarie Capital Advisors • Paul Gaynor, Chief Executive Officer, First Wind • Kimberley Harris, President and Chief Executive Officer, Puget Sound Energy • The Honorable Ronald Binz, Chairman, Colorado Public Utilities Commission • Sheldon Kimber, Senior Vice President - North American Development, Recurrent Energy • Rick LeBlanc, President and Chief Executive Officer, SkyFuel Inc. • James Dehlsen, Chairman, Ecomerit Technologies, LLC	
11.45am – 12.00pm	**Collect boxed lunch**	*Centennial Ballroom*
12.00pm – 4.30pm	**Activities –** **Ski / Snowboard Vail with Olympic guides Phil and Steve Mahre** **Snowmobile**	
6.30pm – 9.30pm	**Offsite Dinner – Saddleridge, Beaver Creek** **Guest Speaker:** Christopher Smith, Deputy Assistant Secretary for Oil and Natural Gas, US Department of Energy	

TUESDAY
March 29, 2011

TIME	SESSION	
6.30am	**Breakfast**	*Centennial Ballroom*
7.00am – 8.00am	**Regulators Round Table Breakfast** **Should Regulators Lead or Follow?** **Presenters:** Moderator: The Honorable Mark Sidran, Mark Sidran Consulting • The Honorable John Norris, Commissioner, Federal Energy Regulatory Commission • The Honorable Barry Smitherman, Chairman, Public Utility Commission of Texas • The Honorable Timothy Simon, Commissioner, California Public Utilities Commission • The Honorable Robert Curry, Commissioner, New York Public Service Commission • The Honorable Ronald Binz, Chairman, Colorado Public Utilities Commission • The Honorable Robert Clayton, Chairman, Missouri Public Service Commission	
8.00am – 8.30am	**The Role of Policy Initiatives in Stimulating Capital Expenditures in the Energy Sector** **Presenter:** The Honorable John Norris, Commissioner, Federal Energy Regulatory Commission	
8.30am – 9.45am	**Commodities Outlook** **Presenters:** Moderator: Ben Preston, Executive Director, Macquarie Energy • James Caron, Senior Meteorologist, Macquarie Energy • Jan Stuart, Global Oil Economist, Macquarie Securities • Charlie Fenner, Power Fundamentals Analyst, Macquarie Energy	
9.45am – 10.30am	**The Changing Gas Dynamic – Implications for Energy Delivery Infrastructure** **Presenters:** Moderator: Brent Wahl, Managing Director, Macquarie Capital Advisors • The Honorable John Norris, Commissioner, Federal Energy Regulatory Commission • Jim Dunler, Senior Vice President Strategic Planning and Business Development, CenterPoint Energy • John Bear, President and Chief Executive Officer, Midwest ISO • Sue Tierney, Managing Principal, Analysis Group Inc. • Michael Smith, Chief Executive Officer, Freeport LNG • Douglas Miller, Chairman & Chief Executive Officer, EXCO	
10.30am – 10.45am	**Coffee Break**	

TUESDAY
March 29, 2011

TIME	SESSION	
10.45am – 11.45am	**Capital Markets and Risk Management – Balancing Stability and Liquidity** **Presenters:** Moderator: Alan James, Senior Managing Director, Macquarie Capital Advisors • Robert Faifell, Head of Origination, Macquarie Energy • Tom Hanson, Chief Financial Officer and Treasurer, Alliant Energy • Paul Gaynor, Chief Executive Officer, First Wind • Chris Leslie, Chief Executive Officer, Macquarie Infrastructure Partners • John Anderson, Senior Managing Director, John Hancock • Stephen Mehos, Managing Director, Macquarie Capital Advisors	
11.45am – 12.00pm	**Wrap up and collect boxed lunch**	
12.30pm – 4.00pm	**Activities –** **Ski / Snowboard Vail with Vail guides** **Snowmobile**	
4.00pm – 7.00pm	**Apre Ski** **Larkspur, Vail Village**	
Dinner	**Time at leisure for networking**	

WEDNESDAY
March 30, 2011

TIME	SESSION	
6.00am – 8.00am	**Farewell Breakfast**	*Mountain View Room*

From:	Peter Kind (MacCap Advisers)
To:	ben.fowke@xcelenergy.com; trauscrs@oge.com; randall.mehrberg@pseg.com; peilers@mdcp.com; barry.smitherman@puc.state.tx.us; Angie Storozynski (Macquarie Securities); robert.shapard@oncor.com; james.torgerson@uinet.com; sthaynes@aep.com; timothy.simon@cpuc.ca.gov; robert_curry@dps.state.ny.us
CC:	Alan James (MacCap Advisors)
Sent:	3/30/2011 2:03:11 PM
Subject:	Thank you for your participation at Vail Conference!

Gentlemen and Angie:

I would like to thank each of you for your participation at our Vail Conference! The feedback on the panel discussions has been very positive. We would not have been able to pull together such an interesting set of dialogues without your involvement and contributions. We hope that you enjoyed the Conference, your time in Vail and traveled home safetly.

Should you have any feedback that you would like to share, please email or call.

We look forward to having you join us again next year. If we can be of any help to you or your teams, please let us know.

Regards and Thanks,

Peter

Unless otherwise indicated, this message is intended only for the personal and confidential use of the designated recipient(s) named above. If you are not the intended recipient of this message you are hereby notified that any review, dissemination, distribution or copying of this message is strictly prohibited. This communication is for information purposes only and should not be regarded as an offer to sell or as a solicitation of an offer to buy any financial product or service, an official confirmation of any transaction, or as an official statement of the entity sending this message. Email transmission cannot be guaranteed to be secure or error-free. Therefore, we do not represent that this information is complete or accurate and it should not be relied upon as such. All information is subject to change without notice.

From: Simon, Timothy A.
To: Peter Kind (MacCap Advisers)
Sent: 3/30/2011 2:04:14 PM
Subject: Out of Office AutoReply: Thank you for your participation at Vail Conference!

I am currently out of the office attending conference and will be returning on Monday, April 4, 2011.

If you need immediate assistance, please call 415-703-1407 and my staff will assist you. Thank you.

From:	Melendez, Ernesto
To:	Tisdale, Matthew; Ishwar Saini
CC:	Khosrowjah, Sepideh; Minkin, Angela K.
Sent:	4/8/2011 7:23:57 AM
Subject:	RE: FI meeting with Comm Florio
Attachments:	mtg_request_form_for_Commissioner_Florio (cl_02, 4 Mar 2011).doc

Mr. Saini,
Please fill out the meeting request form for my office records. Feel free to contact me with any questions.

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Tisdale, Matthew
Sent: Thursday, April 07, 2011 5:53 PM
To: 'Ishwar Saini'
Cc: Colvin, Michael; Banks, Juliane; Melendez, Ernesto; Khosrowjah, Sepideh; Minkin, Angela K.
Subject: RE: FI meeting with Comm Florio

Ishwar,

Thank you again for your offer to meet with Commissioner Florio. He made two suggestions that I hope you find agreeable. First, we'd like to focus the meeting on how the financial institutions you're representing assess risk in California's renewable market. Second, he'd like to include Commissioner Ferron, who has agreed to join the meeting if his schedule allows. What do you think?

If that approach works for you, please work with Ernesto Melendez (Commissioner Florio's scheduler) and Juliane Banks (Commissioner Ferron's scheduler), both cced, to identify a convenient time. Michael Colvin (cced), Commissioner Ferron's advisor, will also join us.

If you'd like, I'd be happy to discuss the agenda in more detail. Feel free to give me a call at your convenience.

Matthew

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Friday, April 01, 2011 1:50 PM
To: Tisdale, Matthew
Subject: FW: FI meeting with Comm Florio

Matthew,
Just resending this note to make sure it went through to the right address.
Look forward to hearing from you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M

1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

From: Ishwar Saini
Sent: Tuesday, March 29, 2011 1:08 PM
To: mwt@cpuc.ca.gov
Subject: FI meeting with Comm Florio

Dear Matthew Tisdale,

Thank you for your time to chat during Commissioner Florio's All Party meeting on RPS last Friday in San Francisco.

As discussed, I am following up regarding potential meeting between the Financial Institutions (FIs) and Comm. Florio. The intent is to share perspectives on regulatory policies and challenges in the state of California faced by the energy industry in general and power in specific and how it impact investments, prices, liquidity, financial risk, and long term economic benefits to the state (ratepayers) in context of CPUC regulations.

I shared the idea with Commissioner Florio and he showed interest in the meeting.

Could you please advise with:

- Confirmation from Commissioner Florio for this meeting
- Input on the potential agenda items of interest to the Commission's staff
- The timeline

Feel free to give me a call for any questions. Thank you and look forward to hearing back from you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Clean Coalition
Today's date: 3 March 2011
Docket or proceeding # Not Applicable
Reason for the meeting: The Clean Coalition, formerly known as the FIT Coalition, is a non-profit focused on making *Clean Local Energy Accessible Now*, and is leading several initiatives to solve the three primary barriers to bringing timely and cost-effective renewables online: 1) The utility resistance to Power Purchase Agreements (PPAs) for small-and-medium sized wholesale projects. 2) The virtual project blockade that results from existing interconnection procedures. 3) Timely and cost-effective financing due to the convoluted contract structures required by IOUs. The Clean Coalition will be joined by international executives from Scatec, which is a Norwegian-based multinational energy company that has its US subsidiary, Scatec Solar, based in Mountain View, CA. Scatec Solar has multiple solar PV projects of 50MW and smaller that are ready to be built within the next 12 months if they can simply get a PPA with PG&E. The projects have secured their Conditional Use Permits and interconnection agreements with PG&E, and the energy is priced at or below California's Market Price Referent (MPR). Despite these compelling facts, PG&E is introducing delay after delay in accepting these viable alternatives to using its flexible compliance work-arounds rather than achieving its RPS requirements. The Clean Coalition and Scatec believe that the above story will provide empirical insights into urgent improvements of California's RPS-related programs.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

Is this an equal time meeting? YES( ) NO(X) Do all ratesetting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Raymond Carlsen, CEO, Scatec Jan Magnussen, Managing Director, Scatec Eric Perreca, President, Scatec Solar North America Inc. Mike Wanebo, COO, Scatec Solar North America Inc. Luigi Resta, CSO, Scatec Solar North America Inc. Craig Lewis, Executive Director, Clean Coalition
Proposed date/time of meeting: Preferred time is Mon 7 March, 11am (or any time after 10am). Alternatives: Tues afternoon or Wed outside of 11am to 2pm.
Contact name: Craig Lewis
Contact phone: 650-796-2353 mobile

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

From:	Ishwar Saini
To:	Tisdale, Matthew
CC:	Colvin, Michael; Banks, Juliane; Melendez, Ernesto; Khosrowjah, Sepideh; Minkin, Angela K.; David Louw (Macquarie Compliance); Joseph Forbes; Patricia Jones (LRM); Andre Templeman; Matthew D'Agostino
Sent:	4/11/2011 3:24:03 PM
Subject:	RE: FI meeting with Comm Florio

Matthew,
Thank you for the response. We agree with both of your points:

- **Meeting focus**: Assessment of risk in the California renewable markets
- **Additional participation**: Commissioner Ferron and Michael Colvin are most welcome to join-in and it's a pleasure

I am coordinating with Ernesto Melendez and Juliana Banks to identify a common workable schedule. Lets get back together to discuss preliminary agenda for the meeting at your convenience.

Look forward to hearing from you. Thank you again.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, April 07, 2011 7:53 PM
To: Ishwar Saini
Cc: Colvin, Michael; Banks, Juliane; Melendez, Ernesto; Khosrowjah, Sepideh; Minkin, Angela K.
Subject: RE: FI meeting with Comm Florio

Ishwar,

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If that approach works for you, please work with Ernesto Melendez (Commissioner Florio's scheduler) and Juliane Banks (Commissioner Ferron's scheduler), both cced, to identify a convenient time. Michael Colvin (cced), Commissioner Ferron's advisor, will also join us.

If you'd like, I'd be happy to discuss the agenda in more detail. Feel free to give me a call at your convenience.

Matthew

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Friday, April 01, 2011 1:50 PM
To: Tisdale, Matthew
Subject: FW: FI meeting with Comm Florio

Matthew,
Just resending this note to make sure it went through to the right address.
Look forward to hearing from you.

Best regards,

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VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Ishwar Saini
Sent: Tuesday, March 29, 2011 1:08 PM
To: mwt@cpuc.ca.gov
Subject: FI meeting with Comm Florio

Dear Matthew Tisdale,

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I shared the idea with Commissioner Florio and he showed interest in the meeting.

Could you please advise with:

- Confirmation from Commissioner Florio for this meeting
- Input on the potential agenda items of interest to the Commission's staff
- The timeline

Feel free to give me a call for any questions. Thank you and look forward to hearing back from you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Ishwar Saini
To: Banks, Juliane
CC: Tisdale, Matthew; Melendez, Ernesto
Sent: 4/11/2011 3:48:55 PM
Subject: RE: FI meeting with Comm Florio

Juliane,

Thank you Mathew for forwarding Juliane's email to coordinate Commissioner Ferron's schedule with Commissioner Florio for the Financial Institution (FI) meeting.

Juliane, could you please copy me your contact phone number to discuss a common timeframe for this meeting.
Here is what I got from Ernesto regarding Comm. Florio's schedule:

May **2**, **3**, **4**, **6**, **9**th from 1:30pm to 5 pm, May **11**th 1:30pm to 5 pm, May **17** and May **18**.

Thank you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Ishwar Saini
To: Melendez, Ernesto; Banks, Juliane
CC: Tisdale, Matthew
Sent: 4/11/2011 4:21:00 PM
Subject: RE: FI meeting with Comm Florio

Thanks Ernie. Will finalize as soon as I hear a common slot from Juliane.
Appreciate the update.

Best regards,

Ishwar Saini

From: Melendez, Ernesto [mailto:ernesto.melendez@cpuc.ca.gov]
Sent: Monday, April 11, 2011 5:53 PM
To: Ishwar Saini; Banks, Juliane
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Disregard May 3-5, mtgs already booked. May 9th is now only open 3-5. May 11th & 17th still good, May 18th from 10:30-12 or 2-5

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Monday, April 11, 2011 3:49 PM
To: Banks, Juliane
Cc: Tisdale, Matthew; Melendez, Ernesto
Subject: RE: FI meeting with Comm Florio

Juliane,

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Juliane, could you please copy me your contact phone number to discuss a common timeframe for this meeting.
Here is what I got from Ernesto regarding Comm. Florio's schedule:

May **2**, **3**, **4**, **6**, **9**th from 1:30pm to 5 pm, May **11**th 1:30pm to 5 pm, May **17** and May **18**.

Thank you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, April 07, 2011 7:53 PM
To: Ishwar Saini
Cc: Colvin, Michael; Banks, Juliane; Melendez, Ernesto; Khosrowjah, Sepideh; Minkin, Angela K.
Subject: RE: FI meeting with Comm Florio

Ishwar,

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If you'd like, I'd be happy to discuss the agenda in more detail. Feel free to give me a call at your convenience.

Matthew

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Friday, April 01, 2011 1:50 PM
To: Tisdale, Matthew
Subject: FW: FI meeting with Comm Florio

Matthew,
Just resending this note to make sure it went through to the right address.
Look forward to hearing from you.

Best regards,

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VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Ishwar Saini
Sent: Tuesday, March 29, 2011 1:08 PM
To: mwt@cpuc.ca.gov
Subject: FI meeting with Comm Florio

Dear Matthew Tisdale,

Thank you for your time to chat during Commissioner Florio's All Party meeting on RPS last Friday in San Francisco.

As discussed, I am following up regarding potential meeting between the Financial Institutions (FIs) and Comm. Florio. The intent is to share perspectives on regulatory policies and challenges in the state of California faced by the energy industry in general and power in specific and how it impact investments, prices, liquidity, financial risk, and long term economic benefits to the state (ratepayers) in context of CPUC regulations.

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Could you please advise with:

- Confirmation from Commissioner Florio for this meeting

- Input on the potential agenda items of interest to the Commission's staff
- The timeline

Feel free to give me a call for any questions. Thank you and look forward to hearing back from you.

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From: Ishwar Saini
To: Banks, Juliane; Melendez, Ernesto
CC: Tisdale, Matthew; David Louw (Macquarie Compliance)
Sent: 4/12/2011 7:51:36 AM
Subject: RE: FI meeting with Comm Florio

Juliane and Ernesto,
Thank you for the proposed timeline for this meeting.
Could you please hold Tuesday, May 17, 2011, 10:30 to 12noon or for the Financial Institutions meeting with Commissioner Florio and Commissioner Ferron.
We will finalize agenda in the next few days in coordination with Matthew and Michael.
Appreciate your help. Thanks.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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Sent: Monday, April 11, 2011 8:58 PM
To: Ishwar Saini; Melendez, Ernesto
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Comr. Ferron is available on May 17th from 10:30am-5pm and on May 18th at 10:30am.

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Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

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Ernesto Melendez
Administrative Assistant

Office of Commissioner Michel P. Florio
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(415) 703-1840
mel@cpuc.ca.gov

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Thank you.

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Ishwar Saini
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From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, April 07, 2011 7:53 PM
To: Ishwar Saini
Cc: Colvin, Michael; Banks, Juliane; Melendez, Ernesto; Khosrowjah, Sepideh; Minkin, Angela K.
Subject: RE: FI meeting with Comm Florio

Ishwar,

Thank you again for your offer to meet with Commissioner Florio. He made two suggestions that I hope you find agreeable. First, we'd like to focus the meeting on how the financial institutions you're representing assess risk in California's renewable market. Second, he'd like to include Commissioner Ferron, who has agreed to join the meeting if his schedule allows. What do you think?

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Look forward to hearing from you.

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Could you please advise with:

- Confirmation from Commissioner Florio for this meeting
- Input on the potential agenda items of interest to the Commission's staff
- The timeline

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From:	Ishwar Saini
To:	Melendez, Ernesto; Minkin, Angela K.
Sent:	4/12/2011 3:47:16 PM
Subject:	mtg_request_form_for_Commissioner_Florio (cl_02 4 Mar 2011) Rev00.doc
Attachments:	mtg_request_form_for_Commissioner_Florio (cl_02 4 Mar 2011) Rev00.doc

Ernesto,

Thank you for your voice mail today. As advised, I am sending you the draft meeting request form to confirm the meeting placeholder.

We will update the attendees list as more confirmations ensue in the next two weeks.
Hopefully, this will get us on both Commissioner Florio and Commissioner Ferron's calendars.

Please give me a call should you have any questions regarding the attachment. Thank you.

Best regards,

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Party requesting meeting: Financial Institutions Energy Group
Today's date: April 12, 2011
Docket or proceeding # Not Applicable
Reason for the meeting: Financial Institution Energy Group (FIEG) is comprised of financial institutions that provide a broad range of services to all segments of the U.S. and global economy. Its members and their affiliates play a number of roles in the wholesale power markets, including acting as marketers, lenders, underwriters of debt and equity securities, and proprietary investors. The FERC has authorized FIEG's power marketer members to sell energy, capacity and ancillary services at market-based rates. FIEG members are active participants in the various electricity markets in North America. To present on how the financial institutions assess risk in the California's renewable market.
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this issue on the Commission meeting agenda? YES( ) NO(X) If yes, please indicate the date of the Commission meeting.
Is this an equal time meeting? YES( ) NO(X) Do all rate-setting requirements apply to this proceeding, e.g., 3-day advance notice and other reporting requirements? YES ( ) No (X)
Has or will a hearing be held in this matter? YES( ) NO(X)

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

Attendees (name, title, company): Matthew D'Agostino, Sr. Vice President, Macquarie Energy LLC Andre Templeman, Sr. Vice President, Macquarie Energy LLC Ishwar Saini, Vice President, Macquarie Energy LLC Additional Attendees will be confirmed.
Proposed date/time of meeting: May 17, 2011, 10:30 to 12noon or May 17, 2011 PM.
Contact name: Ishwar Saini
Contact phone: 713-275-6818 Direct, 281-475-9107 Cell

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Florio.***

Email meeting request to Ernesto Melendez (ernesto.melendez@cpuc.ca.gov)
Please cc Angela Minkin at angela.minkin@cpuc.ca.gov)

From: Ishwar Saini
To: Banks, Juliane
CC: Melendez, Ernesto
Sent: 4/13/2011 7:48:33 AM
Subject: RE: FI meeting with Comm Florio

Juliane,
Thank you for sharing this information. I understand Ernesto Melendez has forwarded you the meeting request for May 17th, 10:30 to 12 Noon.
Please feel free to contact me should you need any additional information to confirm this spot.
Thanks.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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Administrative Assistant

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From: Ishwar Saini
To: Melendez, Ernesto
Sent: 4/13/2011 7:50:57 AM
Subject: FW: mtg_request_form_for_Commissioner_Florio (cl_02 4 Mar 2011) Rev00.doc

Thank you Ernesto. Hopefully, we will get confirmation from Juliane for the same slot.
Appreciate it.

Best regards,

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---

From: Melendez, Ernesto [mailto:ernesto.melendez@cpuc.ca.gov]
Sent: Wednesday, April 13, 2011 9:24 AM
To: Ishwar Saini; Minkin, Angela K.
Subject: RE: mtg_request_form_for_Commissioner_Florio (cl_02 4 Mar 2011) Rev00.doc

I have sent the invitation to Commissioner Ferron and his crew. I have not received any confirmation.yet.

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Tuesday, April 12, 2011 3:47 PM
To: Melendez, Ernesto; Minkin, Angela K.
Subject: mtg_request_form_for_Commissioner_Florio (cl_02 4 Mar 2011) Rev00.doc

Ernesto,

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From:	Ishwar Saini
To:	Colvin, Michael
CC:	Mark Struk
Sent:	4/13/2011 11:50:31 AM
Subject:	MACQUARIE ENERGY | Research dinner Series | California Carbon Market and Regulatory Update, April 19th 2011

Michael,
Thank you for your call today . It was pleasure speaking with you.

As discussed, you are invited to attend Macquarie Energy's Workshop on Cap & Trade program in Sacramento, CA on April 19, 2011.

Representatives from CEC and CAISO are attending along with someone from most California Utilities (Muni and Regulated) and some out of state utilities and developers. We will be discussing the current state of affairs and market for CO2 (AB32) in California, lessons learned from other markets, overlap between Allowances and Offsets, the customer perspective and then have a roundtable discussion among all the participants.

If someone else from your organization should or would like attend, please feel free to invite them.

Agenda:
Reception
California Cap and Trade Program and update
Global carbon markets and lessons learned
Market impact: power and emissions
Round Table on alternative perspectives
Q&A
Dinner

Further details are shown in the invite below. Thank you and look forward to hearing from you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

Forum Date	Time	Venue
Tuesday, April 19th, 2011	3:00PM – 6:00PM	Hyatt Regency – Downtown Sacramento 1209 L Street, Sacramento, CA 95814 www.sacramento.hyatt.com/

RSVP responses are due by Wednesday, April 13th, 2011.

Email: Mark.Struk@macquarie.com
Telephone: **(713) 275-6817**

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From:	Ishwar Saini
To:	Tisdale, Matthew
CC:	Mark Struk
Sent:	4/13/2011 11:59:14 AM
Subject:	Invitation to Macquarie's Cap&Trade Workshop

Matthew,
Thank you for your efforts to get the Financial Institution's meeting organized with Commissioner Florio. I am working with Ernesto and Juliana to work out a meeting timeline.

On a different not, you are invited to attend Macquarie Energy's Workshop on Cap & Trade program in Sacramento, CA on April 19, 2011.

Representatives from CEC and CAISO are attending along with participants from California Utilities (Muni and Regulated) and some out of state utilities and developers. We will be discussing the current state of affairs and market for CO2 (AB32) in California, lessons learned from other markets, overlap between Allowances and Offsets, the customer perspective and then have a roundtable discussion among all the participants.

I am hoping that you will be able to make it.

Agenda:
Reception
California Cap and Trade Program and update
Global carbon markets and lessons learned
Market impact: power and emissions
Round Table on alternative perspectives
Q&A
Dinner

Further details are shown in the invite below. Thank you and look forward to hearing from you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

Forum Date	Time	Venue
Tuesday, April 19th, 2011	3:00PM – 6:00PM	Hyatt Regency – Downtown Sacramento 1209 L Street, Sacramento, CA 95814 www.sacramento.hyatt.com/

RSVP responses are due by Wednesday, April 13th, 2011.

Email: Mark.Struk@macquarie.com
Telephone: **(713) 275-6817**

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From:	Tisdale, Matthew
To:	'Ishwar Saini'
CC:	Mark Struk
Sent:	4/13/2011 3:26:11 PM
Subject:	RE: Invitation to Macquarie's Cap&Trade Workshop
Attachments:	image001.jpg

Thank you for the invitation, Ishwar. By chance, the Commissioner and I will be in Sacramento on Tuesday, April 19. At present our schedule for that day is in flux, but if time allows I would be glad to stop by. Can you include me as "tentative?"

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Wednesday, April 13, 2011 11:59 AM
To: Tisdale, Matthew
Cc: Mark Struk
Subject: Invitation to Macquarie's Cap&Trade Workshop

Matthew,
Thank you for your efforts to get the Financial Institution's meeting organized with Commissioner Florio. I am working with Ernesto and Juliana to work out a meeting timeline.

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Dinner

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Best regards,

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Forum Date	Time	Venue
Tuesday, April 19th, 2011	3:00PM – 6:00PM	Hyatt Regency – Downtown Sacramento 1209 L Street, Sacramento, CA 95814 www.sacramento.hyatt.com/

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Email: Mark.Struk@macquarie.com
Telephone: **(713) 275-6817**

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MACQUARIE ENERGY

RESEARCH DINNER SERIES

CALIFORNIA CARBON MARKET AND REGULATORY UPDATE

MACQUARIE

Please join us for an in-depth discussion about the evolving California cap and trade program and its impact on business, regulatory and reporting obligations for utilities. Refreshments and food will be provided.

Hosted by: Macquarie Energy – Andre Templeman, Mark Struk, Mark Guzman, Andy Rich and Ishwar Saini

From:	Colvin, Michael
To:	Ishwar Saini
Sent:	4/13/2011 7:22:56 PM
Subject:	RE: MACQUARIE ENERGY | Research dinner Series | California Carbon Market and Regulatory Update, April 19th 2011
Attachments:	image001.jpg

Thanks for the great info! I'm sad I won't be able to attend, but please keep me in mind for future events. I forwarded on to some key folks here at the CPUC to see if they're going to be in the area and able to attend.
Best
Michael

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Wednesday, April 13, 2011 11:51 AM
To: Colvin, Michael
Cc: Mark Struk
Subject: MACQUARIE ENERGY | Research dinner Series | California Carbon Market and Regulatory Update, April 19th 2011

Michael,
Thank you for your call today . It was pleasure speaking with you.

As discussed, you are invited to attend Macquarie Energy's Workshop on Cap & Trade program in Sacramento, CA on April 19, 2011.

Representatives from CEC and CAISO are attending along with someone from most California Utilities (Muni and Regulated) and some out of state utilities and developers. We will be discussing the current state of affairs and market for CO2 (AB32) in California, lessons learned from other markets, overlap between Allowances and Offsets, the customer perspective and then have a roundtable discussion among all the participants.

If someone else from your organization should or would like attend, please feel free to invite them.

Agenda:
Reception
California Cap and Trade Program and update
Global carbon markets and lessons learned
Market impact: power and emissions
Round Table on alternative perspectives
Q&A
Dinner

Further details are shown in the invite below. Thank you and look forward to hearing from you.

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Forum Date	Time	Venue
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RSVP responses are due by Wednesday, April 13th, 2011.

Email: Mark.Struk@macquarie.com
Telephone: **(713) 275-6817**

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MACQUARIE ENERGY
RESEARCH DINNER SERIES
CALIFORNIA CARBON MARKET AND REGULATORY UPDATE
MACQUARIE
Please join us for an in-depth discussion about the evolving California cap and trade program and its impact on business, regulatory and reporting obligations for utilities. Refreshments and food will be provided.
Hosted by: Macquarie Energy – Andre Templeman, Mark Struk, Mark Guzman, Andy Rich and Ishwar Saini

From: Ishwar Saini
To: Banks, Juliane
CC: Melendez, Ernesto
Sent: 4/15/2011 3:41:32 PM
Subject: RE: FI meeting with Comm Florio

Juliane,
Could you please confirm if Commissioner Ferron's meeting with Financial Institutions is all set for Tuesday, May 17, 2011, 10:30am to 12 Noon.

I had sent a meeting request to Ernesto M. on April 12, 2011 who forwarded it to your office. Please let me know if you need any additional information.

Thank you and have a great weekend.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, April 11, 2011 8:58 PM
To: Ishwar Saini; Melendez, Ernesto
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Comr. Ferron is available on May 17th from 10:30am-5pm and on May 18th at 10:30am.

Thanks,
Juliane

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Monday, April 11, 2011 4:21 PM
To: Melendez, Ernesto; Banks, Juliane
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Thanks Ernie. Will finalize as soon as I hear a common slot from Juliane.
Appreciate the update.

Best regards,

Ishwar Saini

From: Melendez, Ernesto [mailto:ernesto.melendez@cpuc.ca.gov]
Sent: Monday, April 11, 2011 5:53 PM
To: Ishwar Saini; Banks, Juliane
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Disregard May 3-5, mtgs already booked. May 9th is now only open 3-5. May 11th & 17th still good, May 18th from 10:30-12 or 2-5

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Monday, April 11, 2011 3:49 PM
To: Banks, Juliane
Cc: Tisdale, Matthew; Melendez, Ernesto
Subject: RE: FI meeting with Comm Florio

Juliane,

Thank you Mathew for forwarding Juliane's email to coordinate Commissioner Ferron's schedule with Commissioner Florio for the Financial Institution (FI) meeting.

Juliane, could you please copy me your contact phone number to discuss a common timeframe for this meeting.
Here is what I got from Ernesto regarding Comm. Florio's schedule:

May **2**, **3**, **4**, **6**, **9**th from 1:30pm to 5 pm, May **11**th 1:30pm to 5 pm, May **17** and May **18**.

Thank you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, April 07, 2011 7:53 PM
To: Ishwar Saini
Cc: Colvin, Michael; Banks, Juliane; Melendez, Ernesto; Khosrowjah, Sepideh; Minkin, Angela K.
Subject: RE: FI meeting with Comm Florio

Ishwar,

Thank you again for your offer to meet with Commissioner Florio. He made two suggestions that I hope you find agreeable. First, we'd like to focus the meeting on how the financial institutions you're representing assess risk in California's renewable market. Second, he'd like to include Commissioner Ferron, who has agreed to join the meeting if his schedule allows. What do you think?

If that approach works for you, please work with Ernesto Melendez (Commissioner Florio's scheduler) and Juliane Banks (Commissioner Ferron's scheduler), both cced, to identify a convenient time. Michael Colvin (cced), Commissioner Ferron's advisor, will also join us.

If you'd like, I'd be happy to discuss the agenda in more detail. Feel free to give me a call at your convenience.

Matthew

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Friday, April 01, 2011 1:50 PM

To: Tisdale, Matthew
Subject: FW: FI meeting with Comm Florio

Matthew,
Just resending this note to make sure it went through to the right address.
Look forward to hearing from you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Ishwar Saini
Sent: Tuesday, March 29, 2011 1:08 PM
To: mwt@cpuc.ca.gov
Subject: FI meeting with Comm Florio

Dear Matthew Tisdale,

Thank you for your time to chat during Commissioner Florio's All Party meeting on RPS last Friday in San Francisco.

As discussed, I am following up regarding potential meeting between the Financial Institutions (FIs) and Comm. Florio. The intent is to share perspectives on regulatory policies and challenges in the state of California faced by the energy industry in general and power in specific and how it impact investments, prices, liquidity, financial risk, and long term economic benefits to the state (ratepayers) in context of CPUC regulations.

I shared the idea with Commissioner Florio and he showed interest in the meeting.

Could you please advise with:
- Confirmation from Commissioner Florio for this meeting
- Input on the potential agenda items of interest to the Commission's staff
- The timeline

Feel free to give me a call for any questions. Thank you and look forward to hearing back from you.

Best regards,

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From: Ishwar Saini
To: Banks, Juliane
CC: Melendez, Ernesto
Sent: 4/15/2011 3:49:56 PM
Subject: RE: FI meeting with Comm Florio

Awesome. Thank you again.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Friday, April 15, 2011 5:49 PM
To: Ishwar Saini
Cc: Melendez, Ernesto
Subject: RE: FI meeting with Comm Florio

Hi Ishwar,

Yes, you are confirmed!

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Friday, April 15, 2011 3:42 PM
To: Banks, Juliane
Cc: Melendez, Ernesto
Subject: RE: FI meeting with Comm Florio

Juliane,
Could you please confirm if Commissioner Ferron's meeting with Financial Institutions is all set for Tuesday, May 17, 2011, 10:30am to 12 Noon.

I had sent a meeting request to Ernesto M. on April 12, 2011 who forwarded it to your office. Please let me know if you need any additional information.

Thank you and have a great weekend.

Best regards,

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, April 11, 2011 8:58 PM
To: Ishwar Saini; Melendez, Ernesto
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Comr. Ferron is available on May 17th from 10:30am-5pm and on May 18th at 10:30am.

Thanks,
Juliane

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Monday, April 11, 2011 4:21 PM
To: Melendez, Ernesto; Banks, Juliane
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Thanks Ernie. Will finalize as soon as I hear a common slot from Juliane.
Appreciate the update.

Best regards,

Ishwar Saini

From: Melendez, Ernesto [mailto:ernesto.melendez@cpuc.ca.gov]
Sent: Monday, April 11, 2011 5:53 PM
To: Ishwar Saini; Banks, Juliane
Cc: Tisdale, Matthew
Subject: RE: FI meeting with Comm Florio

Disregard May 3-5, mtgs already booked. May 9th is now only open 3-5. May 11th & 17th still good, May 18th from 10:30-12 or 2-5

Ernesto Melendez
Administrative Assistant
Office of Commissioner Michel P. Florio
California Public Utilities Commission
(415) 703-1840
mel@cpuc.ca.gov

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Sent: Monday, April 11, 2011 3:49 PM
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From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]

Sent: Thursday, April 07, 2011 7:53 PM
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Sent: Friday, April 01, 2011 1:50 PM
To: Tisdale, Matthew
Subject: FW: FI meeting with Comm Florio

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Sent: Tuesday, March 29, 2011 1:08 PM
To: mwt@cpuc.ca.gov
Subject: FI meeting with Comm Florio

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From:	Banks, Juliane
To:	alisa.zammit@macquarie.com
CC:	Fernandez, Cristine; Banks, Juliane
Sent:	4/20/2011 10:23:59 PM
Subject:	RE: Comr. Simon's Macquarie Expenses
Attachments:	Timothy Simon Macquarie expenses.pdf

My apologies, I forgot to attach the file...

From: Banks, Juliane
Sent: Wed 4/20/2011 10:19 PM
To: alisa.zammit@macquarie.com
Cc: Fernandez, Cristine; Banks, Juliane
Subject: Comr. Simon's Macquarie Expenses

Hi Alisa,

My name is Juliane and I am assisting Cristine Fernandez with processing Comr. Simon's Macquarie reimbursements.

Alan James advised me that you were the contact person to submit Comr. Simon's expenses, which I have attached to this email.

Comr. Simon attended another event in Washington, D.C. directly after leaving Colorado, so you will notice that the airline receipt and airport parking charges include dates after the conclusion of the Macquarie conference. As a result, I have given a breakdown of the reimbursement amounts we are requesting below:

AIRFARE:	
SFO to Denver	$224.13
Denver to Eagle	$561.55
Eagle to WDC	$675.04/2=337.52
AIRFARE TOTAL	**$1,123.20**
AIRPORT PARKING:	
3 days @ 12.99/day+ tax	**$40.01**
TOTAL AMOUNT REQUESTED:	**$1,163.21**

Please confirm receipt of this email and also the amount authorized to be reimbursed to Comr. Simon.

Thank you so much for your help and please don't hesitate to let me know if you have any questions.

Juliane
415-703-2284

Fernandez, Cristine

From: Concur [Travel@concursolutions.com]
Sent: Thursday, March 24, 2011 11:27 AM
To: Simon, Timothy A.; Fernandez, Cristine
Subject: Reminder: Upcoming Travel

travelstore we've been where you want to go

TSI (State of CA RX0F)

California Public Utilities Commission

Trip from San Francisco to Eagle Mar 27 - Apr 1
Trip Record Locator: DENRED **Created on:** 03/24/2011 at 11:27 AM

Passengers: Simon, Timothy Alan.
Ticket Number(s): 0167964993590

Sunday Mar 27, 2011

Air

San Francisco, CA (SFO) to Denver, CO (DEN)

Mar 27	**United** 144	**Duration:** 2 hours, 39 minutes Nonstop
	San Francisco (SFO) : 7:09 AM	**Denver (DEN) :** 10:48 AM
	Terminal: 3	
	Confirmation Number: XNJNCU	**Status:** Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Boeing 757-200	**Distance:** 963 miles
	Emissions: 372.7 lbs CO_2	**E-Ticket**
	Meal: Meal at Cost	
	Cabin: Economy (V)	**Seat:** 14B(Confirmed)

Connecting at Denver, CO (DEN) to Eagle, CO (EGE)

Mar 27	**United** 311	**Duration:** 47 minutes Nonstop
	Denver (DEN) : 11:20 AM	**Eagle (EGE) :** 12:07 PM
	Confirmation Number: XNJNCU	**Status:** Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Airbus A320	**Distance:** 119 miles
	Emissions: 75.2 lbs CO_2	**E-Ticket**
	Cabin: Economy (B)	**Seat:** 20B(Confirmed)

Tuesday Mar 29, 2011

Air

Eagle, CO (EGE) to Denver, CO (DEN)

Mar 29	United 6574	Duration: 53 minutes Nonstop
	Operated by: Skywest (Utah)	
	Eagle (EGE) : 4:05 PM	Denver (DEN) : 4:58 PM
	Confirmation Number: XNJNCU	Status: Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Canadair 700	Distance: 119 miles
	Emissions: 75.2 lbs CO_2	E-Ticket
	Cabin: Economy (H)	Seat: 09B(Confirmed)

Connecting at Denver, CO (DEN) to Washington, DC (IAD)

Mar 29	United 317	Duration: 3 hours, 25 minutes Nonstop
	Denver (DEN) : 5:58 PM	Washington (IAD) : 11:23 PM
	Confirmation Number: XNJNCU	Status: Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Airbus A319	Distance: 1448 miles
	Emissions: 560.4 lbs CO_2	E-Ticket
	Meal: Food for purchase	
	Cabin: Economy (H)	Seat: 09C(Confirmed)

Friday Apr 1, 2011

Air

Washington, DC (IAD) to San Francisco, CA (SFO)

Apr 1	United 975	Duration: 5 hours, 47 minutes Nonstop
	Washington (IAD) : 5:15 PM	San Francisco (SFO) : 8:02 PM
		Terminal: 3
	Confirmation Number: XNJNCU	Status: Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Boeing 777	Distance: 2411 miles
	Emissions: 839.0 lbs CO_2	E-Ticket
	Meal: Food for purchase	
	Cabin: Economy (Y)	Seat: 20B(Confirmed)

Ticket Number	Airfare amount	Taxes and fees	Airfare total
0167964993590	$1,628.83 USD	$168.67 USD	$1,797.50 USD

Air

Ticket Number: 0167964993590:	$1,628.83 USD
Taxes and fees:	$168.67 USD
Total Estimated Cost :	$1,797.50 USD

On-line Check-in

United Check-in

You can check-in on-line up to 24 hours before your flight. You may print your boarding pass at your home or office to avoid ticket counters and kiosks and go right to security. Click the Check-in button to find out more.

Confirmation Number: XNJNCU

Remarks:

PLEASE TAKE A MOMENT TO FILL OUT OUR CUSTOMER
SERVICE SURVEY AT WWW.SURVEYMONKEY.COM/S/N3HZHJ5
CALTRAVELSTORE PHONE NUMBER 916 376-3989
OR TOLL FREE AT 877 454-8785
CHRISTINE 415-703-1407
NO HOTELS REQUESTED ON THIS ITINERARY
NO CARS REQUESTED ON THIS ITINERARY

Itinerary generated on 03/24/2011 at 11:27 AM

3/27 - 4/1/11

FASTTRACK Airport Parking
160 Produce Ave
South San Francisco, CA 94080
650-952-5730

:D		1543
		04/01/11 20:10
: #		67075013
Date		03/27/11 05:52
Date		04/01/11 20:10
		UNKNOWN, UNKNOWN
ner #		1215120
NT PARKER POINTS		
ints Earned This Stay		85
int Balance		375
G CHARGES		
	6 @ $ 12.99	$ 77.94
	@ $ 4.00	$ 0.00
		$ 77.94
al		
Fee	8.000%	$ 6.24
g Total		$ 84.18
Total		$ 84.18
NTS		
7484 Auth:R6799Z		$ 84.18

From:	Alisa Zammit (MacCap Advisors)
To:	Banks, Juliane
CC:	Fernandez, Cristine
Sent:	4/21/2011 10:57:00 AM
Subject:	RE: Comr. Simon's Macquarie Expenses --CORRECTED total amount: $1,163.29
Attachments:	New vendor form 06042011_6773276_1 (CFFP_NewYork).PDF; W9 FORM_5042856_1 (CFFP_NewYork).PDF

Hi Juliane,

Thank you for sending this through. I just need a couple of things from you in order for me to process the reimbursement, could I please ask you to complete the attached New Vendor Form and W9 form so I can have have the Commissioner set up in our accounting system. I'll also need an Invoice from you made out to Macquarie Capital (USA) Inc that has your breakdown below on it.

Once I have those I can go ahead and process this for you.

Please let me know if you have any questions.

Thanks again,
Alisa

Macquarie Capital (USA) Inc

Alisa Zammit
Business Support Executive
Macquarie Capital Advisors
Phone: 1 212 231 1387
Fax: 1 212 231 1718
email: alisa.zammit@macquarie.com

visit: www.macquarie.com/us

Notice:
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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Thursday, April 21, 2011 2:45 AM
To: Banks, Juliane; Alisa Zammit (MacCap Advisors)
Cc: Fernandez, Cristine
Subject: RE: Comr. Simon's Macquarie Expenses --CORRECTED total amount: $1,163.29

I guess it is too late and I need to stop working...I made the .08 correction below....

From: Banks, Juliane
Sent: Wed 4/20/2011 10:23 PM
To: alisa.zammit@macquarie.com
Cc: Fernandez, Cristine; Banks, Juliane
Subject: RE: Comr. Simon's Macquarie Expenses

My apologies, I forgot to attach the file...

From: Banks, Juliane

Sent: Wed 4/20/2011 10:19 PM
To: alisa.zammit@macquarie.com
Cc: Fernandez, Cristine; Banks, Juliane
Subject: Comr. Simon's Macquarie Expenses

Hi Alisa,

My name is Juliane and I am assisting Cristine Fernandez with processing Comr. Simon's Macquarie reimbursements.

Alan James advised me that you were the contact person to submit Comr. Simon's expenses, which I have attached to this email.

Comr. Simon attended another event in Washington, D.C. directly after leaving Colorado, so you will notice that the airline receipt and airport parking charges include dates after the conclusion of the Macquarie conference. As a result, I have given a breakdown of the reimbursement amounts we are requesting below:

AIRFARE:	
SFO to Denver	$224.13
Denver to Eagle	$561.55
Eagle to WDC	$675.04/2=337.52
AIRFARE TOTAL	**$1,123.20**
AIRPORT PARKING:	
3 days @ 12.99/day+ tax	**$40.09**
TOTAL AMOUNT REQUESTED:	**$1,163.29**

Please confirm receipt of this email and also the amount authorized to be reimbursed to Comr. Simon.

Thank you so much for your help and please don't hesitate to let me know if you have any questions.

Juliane
415-703-2284

Unless otherwise indicated, this message is intended only for the personal and confidential use of the designated recipient(s) named above. If you are not the intended recipient of this message you are hereby notified that any review, dissemination, distribution or copying of this message is strictly prohibited. This communication is for information purposes only and should not be regarded as an offer to sell or as a solicitation of an offer to buy any financial product or service, an official confirmation of any transaction, or as an official statement of the entity sending this message. Email transmission cannot be guaranteed to be secure or error-free. Therefore, we do not represent that this information is complete or accurate and it should not be relied upon as such. All information is subject to change without notice.

Macquarie -Vendor Information

Purpose of Submission?

(To be completed by Macquarie)

- o Change of address
- o New Vendor
- o One time payment

***Vendor Name:** _____

Vendor # (if already in system)
(To be completed by Macquarie) _____

***Vendor Address** _____

_____

***Vendor contact name and ph#** _____

***Country of Incorporation or Residence (i.e. USA, Bolivia)** _____

***Entity type (INC/LLC/LLP etc.)** _____

***Tax ID Number (i.e. Social Security, EIN). US vendor requirement only** _____

VAT No. (non-US vendors) _____

***Types of Product or Service (i.e. Legal services, Office Supplies)** _____

*** Due Diligence Performed?**
(To be completed by Macquarie) ☐ **Yes** ☐ **No** ☐ **N/A**

***Approver name/ signature**
(To be completed by Macquarie) _____

_____

Print Name and Division (approver must be an authority for the cost centre)

Date _____

*** = required field**

****I confirm that the information contained on this form is correct to the best of my knowledge and there are no reasons known to me where Macquarie's transactions with this vendor may lead to non compliance with relevant Macquarie policies or external regulations.**

Bank Details : Please check one ACH ☐ Check ☐ Wire (must be outside US) ☐

Name of Bank _____

Accounts receivable email address _____

ABA Number/ Routing Number _____

Account Name _____

Account Number (IBAN) _____

SWIFT Code _____

Branch Address _____

Vendor signature _____

Form **W-9**
(Rev. October 2007)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Print or type See **Specific Instructions** on page 2.

Name (as shown on your income tax return)

Business name, if different from above

Check appropriate box: ☐ Individual/Sole proprietor ☐ Corporation ☐ Partnership
☐ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶
☐ Other (see instructions) ▶

☐ Exempt payee

Address (number, street, and apt. or suite no.)

Requester's name and address (optional)

City, state, and ZIP code

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

or

Employer identification number

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here Signature of U.S. person ▶ Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

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- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.

2. The treaty article addressing the income.

3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.

4. The type and amount of income that qualifies for the exemption from tax.

5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,

2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name" line.

Limited liability company (LLC). Check the "Limited liability company" box only and enter the appropriate code for the tax classification ("D" for disregarded entity, "C" for corporation, "P" for partnership) in the space provided.

For a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Regulations section 301.7701-3, enter the owner's name on the "Name" line. Enter the LLC's name on the "Business name" line.

For an LLC classified as a partnership or a corporation, enter the LLC's name on the "Name" line and any business, trade, or DBA name on the "Business name" line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name" line.

Note. You are requested to check the appropriate box for your status (individual/sole proprietor, corporation, etc.).

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the business name, sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),

2. The United States or any of its agencies or instrumentalities,

3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,

4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or

5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,

7. A foreign central bank of issue,

8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,

9. A futures commission merchant registered with the Commodity Futures Trading Commission,

10. A real estate investment trust,

11. An entity registered at all times during the tax year under the Investment Company Act of 1940,

12. A common trust fund operated by a bank under section 584(a),

13. A financial institution,

14. A middleman known in the investment community as a nominee or custodian, or

15. A trust exempt from tax under section 664 or described in section 4947.

The chart below shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 13. Also, a person registered under the Investment Advisers Act of 1940 who regularly acts as a broker
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over $600 required to be reported and direct sales over $5,000[1]	Generally, exempt payees 1 through 7[2]

[1] See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2] However, the following payments made to a corporation (including gross proceeds paid to an attorney under section 6045(f), even if the attorney is a corporation) and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited liability company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at *www.ssa.gov*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/businesses* and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting *www.irs.gov* or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: *A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.*

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt payees, see *Exempt Payee* on page 2.

Signature requirements. Complete the certification as indicated in 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

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3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account [1]
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor [2]
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee [1]
b. So-called trust account that is not a legal or valid trust under state law	The actual owner [1]
5. Sole proprietorship or disregarded entity owned by an individual	The owner [3]
For this type of account:	**Give name and EIN of:**
6. Disregarded entity not owned by an individual	The owner
7. A valid trust, estate, or pension trust	Legal entity [4]
8. Corporate or LLC electing corporate status on Form 8832	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership or multi-member LLC	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or "DBA" name on the second name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

[4] List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

Call the IRS at 1-800-829-1040 if you think your identity has been used inappropriately for tax purposes.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to *phishing@irs.gov*. You may also report misuse of the IRS name, logo, or other IRS personal property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: *spam@uce.gov* or contact them at *www.consumer.gov/idtheft* or 1-877-IDTHEFT(438-4338).

Visit the IRS website at *www.irs.gov* to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA, or Archer MSA or HSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S. possessions to carry out their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You must provide your TIN whether or not you are required to file a tax return. Payers must generally withhold 28% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.

CPUC05901

From:	Banks, Juliane
To:	'Alisa Zammit (MacCap Advisors)'
CC:	Fernandez, Cristine; Escobar, Cristhian
Sent:	4/22/2011 3:44:49 PM
Subject:	Requested information for Comr. Simon
Attachments:	Macquarie-Comr. Simon.pdf; Timothy Simon Macquarie expenses.pdf

Hi Alisa,

Per your request, I have attached the invoice (letter) and completed vendor and W-9 forms. I have also re-attached the copies of the receipts.

Please don't hesitate to let me know if you have any questions.

Thank you,

Juliane

Juliane Banks

415.703.2284

bnk@cpuc.ca.gov

STATE OF CALIFORNIA EDMUND G. BROWN JR., *Governor*

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

INVOICE LETTER

Macquarie Capital (USA) Inc
125 W. 55th Street
New York, CA 10019

To whom it may concern,

This letter is to request that Macquarie Capital (USA) Inc. reimburse Commissioner Timothy Alan Simon for expenses incurred from him attending the Macquarie's Seventh Annual Utilities, Power and Gas Conference from March 27th through March 29th, 2011.

A summary of the expenses are listed below:

AIRFARE:	
SFO to Denver	$224.13
Denver to Eagle	$561.55
Eagle to WDC	$675.04/2=337.52 *
Airfare Total	**$1,123.20**
AIRPORT PARKING:	
3 days @ 12.99/day+ tax	**$40.09***
Total Amount Requested	**$1,163.29**

* The cost of the airfare from Eagle to Washington, D.C. and the airport parking charges have been split in half due to Commissioner Simon attending another event directly after leaving the conference in Colorado.

Thank you,

Office of Commissioner Timothy Alan Simon

Macquarie -Vendor Information

Purpose of Submission?

(To be completed by Macquarie)

- o Change of address
- ● New Vendor
- o One time payment

***Vendor Name:** California Public Utilities Commission

Vendor # (if already in system)
(To be completed by Macquarie)

***Vendor Address** 505 Van Ness Ave.
San Francisco, CA 94102

***Vendor contact name and ph#** Daphne Fong 415-703-2254

***Country of Incorporation or Residence** (i.e. USA, Bolivia) USA

***Entity type (INC/LLC/LLP etc.)** Government Agency

***Tax ID Number (i.e. Social Security, EIN). US vendor requirement only** 94-3031353

VAT No. (non-US vendors)

***Types of Product or Service (i.e. Legal services, Office Supplies)** Conference Speaker

*** Due Diligence Performed?**
(To be completed by Macquarie)

☐ Yes ☐ No ☐ N/A

***Approver name/ signature**
(To be completed by Macquarie)

Print Name and Division (approver must be an authority for the cost centre)

Date

*** = required field**

****I confirm that the information contained on this form is correct to the best of my knowledge and there are no reasons known to me where Macquarie's transactions with this vendor may lead to non compliance with relevant Macquarie policies or external regulations**

Bank Details : Please check one ACH ☐ Check ☐ Wire (must be outside US) ☐

Name of Bank

Accounts receivable email address

ABA Number/ Routing Number

Account Name

Account Number (IBAN)

SWIFT Code

Branch Address

Vendor signature

Form **W-9**
(Rev. October 2007)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Print or type See Specific Instructions on page 2.

Name (as shown on your income tax return)
California Public Utilities Commission

Business name, if different from above

Check appropriate box: ☐ Individual/Sole proprietor ☐ Corporation ☐ Partnership
☐ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶
☐ Other (see instructions) ▶

☒ Exempt payee

Address (number, street, and apt. or suite no.)
505 Van Ness Avenue

Requester's name and address (optional)

City, state, and ZIP code
San Francisco, CA 94102

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
: :

or

Employer identification number
94 : 3031353

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here — Signature of U.S. person ▶ [signature] Date ▶ 4/22/14

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

CPUC05905

Fernandez, Cristine

From: Concur [Travel@concursolutions.com]
Sent: Thursday, March 24, 2011 11:27 AM
To: Simon, Timothy A.; Fernandez, Cristine
Subject: Reminder: Upcoming Travel

travelstore we've been where you want to go

TSI (State of CA RX0F)

California Public Utilities Commission

Trip from San Francisco to Eagle Mar 27 - Apr 1
Trip Record Locator: DENRED **Created on:** 03/24/2011 at 11:27 AM

Passengers: Simon, Timothy Alan.
Ticket Number(s): 0167964993590

Sunday Mar 27, 2011

Air

San Francisco, CA (SFO) to Denver, CO (DEN)

Mar 27	**United** 144	**Duration:** 2 hours, 39 minutes Nonstop
	San Francisco (SFO) : 7:09 AM	**Denver (DEN) :** 10:48 AM
	Terminal: 3	
	Confirmation Number: XNJNCU	**Status:** Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Boeing 757-200	**Distance:** 963 miles
	Emissions: 372.7 lbs CO_2	**E-Ticket**
	Meal: Meal at Cost	
	Cabin: Economy (V)	**Seat:** 14B(Confirmed)

Connecting at Denver, CO (DEN) to Eagle, CO (EGE)

Mar 27	**United** 311	**Duration:** 47 minutes Nonstop
	Denver (DEN) : 11:20 AM	**Eagle (EGE) :** 12:07 PM
	Confirmation Number: XNJNCU	**Status:** Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Airbus A320	**Distance:** 119 miles
	Emissions: 75.2 lbs CO_2	**E-Ticket**
	Cabin: Economy (B)	**Seat:** 20B(Confirmed)

Tuesday Mar 29, 2011

Air

Eagle, CO (EGE) to Denver, CO (DEN)

Mar 29	United 6574	Duration: 53 minutes Nonstop
	Operated by: Skywest (Utah)	
	Eagle (EGE) : 4:05 PM	Denver (DEN) : 4:58 PM
	Confirmation Number: XNJNCU	Status: Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Canadair 700	Distance: 119 miles
	Emissions: 75.2 lbs CO_2	E-Ticket
	Cabin: Economy (H)	Seat: 09B(Confirmed)

Connecting at Denver, CO (DEN) to Washington, DC (IAD)

Mar 29	United 317	Duration: 3 hours, 25 minutes Nonstop
	Denver (DEN) : 5:58 PM	Washington (IAD) : 11:23 PM
	Confirmation Number: XNJNCU	Status: Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Airbus A319	Distance: 1448 miles
	Emissions: 560.4 lbs CO_2	E-Ticket
	Meal: Food for purchase	
	Cabin: Economy (H)	Seat: 09C(Confirmed)

Friday Apr 1, 2011

Air

Washington, DC (IAD) to San Francisco, CA (SFO)

Apr 1	United 975	Duration: 5 hours, 47 minutes Nonstop
	Washington (IAD) : 5:15 PM	San Francisco (SFO) : 8:02 PM
		Terminal: 3
	Confirmation Number: XNJNCU	Status: Confirmed
	Air Frequent Flyer Number: UA-00140362247;	
	Flight Information	
	Aircraft: Boeing 777	Distance: 2411 miles
	Emissions: 839.0 lbs CO_2	E-Ticket
	Meal: Food for purchase	
	Cabin: Economy (Y)	Seat: 20B(Confirmed)

Ticket Number	Airfare amount	Taxes and fees	Airfare total
0167964993590	$1,628.83 USD	$168.67 USD	$1,797.50 USD

Air

Ticket Number: 0167964993590:	$1,628.83 USD
Taxes and fees:	$168.67 USD
Total Estimated Cost :	$1,797.50 USD

On-line Check-in

United Check-in

You can check-in on-line up to 24 hours before your flight. You may print your boarding pass at your home or office to avoid ticket counters and kiosks and go right to security. Click the Check-in button to find out more.

Confirmation Number: XNJNCU

Remarks:

PLEASE TAKE A MOMENT TO FILL OUT OUR CUSTOMER
SERVICE SURVEY AT WWW.SURVEYMONKEY.COM/S/N3HZHJ5
CALTRAVELSTORE PHONE NUMBER 916 376-3989
OR TOLL FREE AT 877 454-8785
CHRISTINE 415-703-1407
NO HOTELS REQUESTED ON THIS ITINERARY
NO CARS REQUESTED ON THIS ITINERARY

Itinerary generated on 03/24/2011 at 11:27 AM

3/27 - 4/1/11

FASTTRACK Airport Parking
160 Produce Ave
South San Francisco, CA 94080
650-952-5730

:D	1543
	04/01/11 20:10
: #	67075013
Date	03/27/11 05:52
Date	04/01/11 20:10
	UNKNOWN, UNKNOWN
ner #	1215120
NT PARKER POINTS	
ints Earned This Stay	85
int Balance	375
G CHARGES	
6 @ $ 12.99	$ 77.94
@ $ 4.00	$ 0.00
	$ 77.94
al	
Fee 8.000%	$ 6.24
g Total	$ 84.18
Total	$ 84.18
NTS	
7484 Auth:R6799Z	$ 84.18

From:	Robert W. Gee
To:	robert_curry@dps.state.ny.us; Amalia.VazquezBzdyra@po.state.ct.us; rcampbell@utah.gov; robert.clayton@psc.mo.gov; Jeanne.fox@bpu.state.nj.us; jed.nosal@state.ma.us; tas@cpuc.ca.gov; arnetta.mcrae@state.de.us; pdukes@optonline.net; nicholas.asselta@bpu.state.nj.us; richard.jackson@bpu.state.nj.us; steven.lesser@puc.state.oh.us; Wireko, Humphrey; rfp@state.pa.us; Klick, Steve; Drexclark@utah.gov; Wergin, Betsy (PUC); Brenner, Mary Beth; jeffrey_stockholm@dps.state.ny.us; ctrabandt@crai.com; rjm@nei.org; Peter.Kind@macquarie.com; hugh.wynne@bernstein.com; james.hempstead@moodys.com; dchartier@eei.org; Richard_cortright@sandp.com; karen_choi@capgroup.com; barbara.chapman@us.bnpparibas.com; jim.vonriesemann@ubs.com; j.nicholas.mckee@citi.com; jslutz@globalenergystrategies.net
CC:	Slager, Ronnie (PUC); jsson.r.smith@state.de.us; cristine.fernandez@cpuc.ca.gov; Darrell Blakeway; Rocque-Romaine, Bethany; Stout, Debra; hilary_louison_paul@dps.state.ny.us; jamie.parr@po.state.ct.us; Betty.Maguire@state.ma.us; Charles Gray; jramsay@naruc.org; Shields, Kawana; Sebest, Donna; Leonard, Dotti; Malinak, Roberta; aballou@state.pa.us; Darrell Blakeway
Sent:	5/11/2011 8:21:48 PM
Subject:	Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Final Agenda, Roster, and Biographies of Commissioners, Staff, and Panelists
Attachments:	Commissioner Staff Bios May 2011 5-10-11.docx; NYC_May_2011__Final _Agenda.doc; NYC_Roster_May_2011_5-9-11.docx; Panelists_Bios_NYC_May_2011.5-9-11.docx; Robert W Gee.vcf

Dear Commissioners, Staff, and Panelists for the upcoming Utility Commissioners/ Wall St. Dialogue,

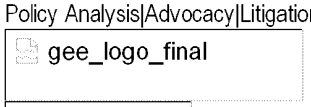
Attached please find the final agenda, roster, and biographies of all participants for the Dialogue.

Thanks again for taking the time to participate, and I look forward to seeing you all next week.

Please contact me if you have any further questions.

Kind regards,
Bob Gee

Robert W. Gee
President
Gee Strategies Group LLC
7609 Brittany Parc Court
Falls Church, VA 22043
PH: 703.593.0116
Landline & Fax: 703.698.2033
Email: rwgee@geestrategies.com
www.geestrategies.com
Policy Analysis|Advocacy|Litigation Support



From: Robert W. Gee
Sent: Thursday, May 05, 2011 12:46 AM
To: 'robert_curry@dps.state.ny.us'; 'Amalia.VazquezBzdyra@po.state.ct.us'; 'rcampbell@utah.gov'; 'robert.clayton@psc.mo.gov'; 'Jeanne.fox@bpu.state.nj.us'; 'jed.nosal@state.ma.us'; 'tas@cpuc.ca.gov'; 'arnetta.mcrae@state.de.us'; 'pdukes@optonline.net'; 'nicholas.asselta@bpu.state.nj.us'; 'richard.jackson@bpu.state.nj.us'; 'steven.lesser@puc.state.oh.us'; 'Wireko, Humphrey'; 'rfp@state.pa.us'; 'Klick, Steve'; 'Drexclark@utah.gov'; Wergin, Betsy (PUC); 'Brenner, Mary Beth'; 'jeffrey_stockholm@dps.state.ny.us'
Cc: 'Slager, Ronnie (PUC)'; 'jsson.r.smith@state.de.us'; 'cristine.fernandez@cpuc.ca.gov'; Darrell Blakeway; 'Rocque-Romaine, Bethany'; 'Stout, Debra'; 'hilary_louison_paul@dps.state.ny.us'; 'jamie.parr@po.state.ct.us'; 'Betty.Maguire@state.ma.us'; 'Charles Gray'; 'jramsay@naruc.org'; 'Shields, Kawana'; 'Sebest, Donna'; 'Leonard, Dotti'; 'Malinak, Roberta';

'aballou@state.pa.us'; Darrell Blakeway
Subject: Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Updated Agenda and Preparatory Reading Materials

*******WELCOME DINNER EVENING OF MONDAY MAY 16********

You are invited to a welcome dinner the evening of Monday, May 16, for early arrivals. This is informal, affording us an opportunity to socialize before convening the next day. if you have not already done so, please let us know if you plan on joining us so we can make the appropriate dinner reservations.

Dear Commissioners and Staff participating in the Utility Commissioners/Wall St. Dialogue,

Attached please find an updated preliminary agenda as well as the initial batch of preparatory reading materials.

Please let me know if you have any questions, and I look forward to seeing you all in a couple of weeks.

Kind regards,
Bob
Robert W. Gee
President
Gee Strategies Group LLC
7609 Brittany Parc Court
Falls Church, VA 22043
PH: 703.593.0116
Landline & Fax: 703.698.2033
Email: rwgee@geestrategies.com
www.geestrategies.com
Policy Analysis|Advocacy|Litigation Support
gee_logo_final
cid:image00:

Gee Strategies Group, LLC

COMMISSIONER AND STAFF BIOGRAPHIES

NICHOLAS ASSELTA
COMMISSIONER
NEW JERSEY BOARD OF PUBLIC UTILITIES

Commissioner Asselta was born on August 17, 1951, and raised in Vineland, New Jersey. As the son of a Vineland Police Officer, he graduated from Vineland High School, Cumberland County College and the Frederick Military Academy. He also attended Rider College and the Glassboro State College Management Institute.

After college, he worked for 23 years as Marketing and Production Manager for Times Graphic, Inc., a Gannett Company subsidiary. From 1978 until 1981, he dedicated his energy as head basketball coach at Atlantic County Community College. He continued coaching at Vineland High School until 1987. In 1980 he married Nancy Small. The couple make their home in Vineland where Nancy owns and operates an interior design company.
As an educator and coach, he entered public service with his 1993 election to the Vineland Board of Education. Less than two years later in January 1995, he was sworn into the General Assembly to fill an unexpired term. In November 1995 he won his first of four terms representing New Jersey's First District in the General Assembly. He then became one of New Jersey's few full-time legislators, dedicating his career to public service and the constituents he represented. In 2003 he won election to the New Jersey Senate and served as State Senator until 2008.

During his time in the Legislature, he fought to create a better life for the residents of New Jersey, not by creating more laws, but by improving the laws and services that exist in New Jersey. Nicholas Asselta is most known for his advocacy of New Jersey's veterans. In honor of his late brother who lost his life in the line of duty, Asselta dedicated his entire public service career to fighting for veterans benefits in the State of New Jersey. Those in Trenton regarded Asselta as a Senator who put his constituents first, often working across party lines to ensure the interests of the residents of the First District.

MARYBETH BRENNER
ASSISTANT DIRECTOR, DIVISION OF ECONOMIC DEVELOPMENT & ENERGY POLICY
NEW JERSEY BOARD OF PUBLIC UTILITIES

Marybeth Brenner joined the New Jersey Board of Public Utilities (BPU) in October, 2010. BPU regulates all public utilities including water, telephone, cable, energy and is responsible for the state energy policy and clean energy programs.

Prior to this position Ms. Brenner held a variety of positions with the New Jersey Department of Environmental Protection (DEP). Most recently she served as Director of Constituent Services for the agency. Additionally, Ms. Brenner was a Special Assistant to

four Commissioners, the Program Manager for the Office of Innovative Technology & Market Development, and also held positions in the Division of Solid Waste Management and Office of Legislative and Regulatory Affairs. Ms. Brenner was with DEP for 20 years prior to joining the BPU.

Ms. Brenner holds a B.S. from Cook College, Rutgers University and a Masters of Public Affairs and Politics from the Edward J. Bloustein School of Public Policy, Rutgers University.

AMALIA VAZQUEZ BZDYRA
COMMISSIONER
CONNECTICUT PUBLIC UTILITY CONTROL AUTHORITY

Amalia Vazquez Bzdyra was appointed Commissioner of the Connecticut Public Utility Control Authority by Governor Rell on December 16, 2008 and confirmed by both houses of the General Assembly in February 2009. As commissioner, she focuses on natural gas and electric issues, taking the lead on natural gas issues for the Department. Commissioner Bzdyra serves on the National Association Regulatory Utility Commissioners (NARUC) Committee on Gas. Commissioner Bzdyra is also the Co-Chair of Connecticut's Low-Income Advisory Board (LIEAB) and a member of Connecticut's Criminal Justice Policy Advisory Commission.

Commissioner Bzdyra has extensive public and private sector experience and has served in all three branches of Connecticut government. From February of 2007 to January 2009, she served as Deputy Commissioner of the Department of Social Services. In 2005, Bzdyra, an attorney with over 20 years of experience, was appointed by Governor Rell as Chairperson of the new Contracting Standards Board.

From 1998 to 2004, Bzdyra served as Chairperson of the state's Commission on Human Rights and Opportunities (CHRO). From 2000 to 2004, she was Vice President of Government Relations for the Connecticut Hospital Association (CHA). As Vice President at CHA, she developed health care policy initiatives to improve Connecticut's system of health care and collaborated with state agencies to develop and implement legislative and executive branch policies, procedures and legislative enactments affecting all 31 hospitals statewide.

From 1993 to 2000, Bzdyra was Director of Legal, Legislative and Policy Affairs for the state's Office of Policy and Management (OPM). In that post, she advised the Secretary of OPM and the Office of the Governor on state policy, legal and budgetary matters. Commissioner Bzdyra also served as Chief Legal Counsel to the state agency and supervised OPM's legal staff. She was also Legislative Counsel to the Chief Court Administrator from 1990 to 1993.

Commissioner Bzdyra was born in Havana, Cuba and possesses native fluency in Spanish. She received a Juris Doctor degree from Western New England College School of Law and a Bachelor of Arts degree in Political Science from Southern Connecticut State University.

RICK CAMPBELL
COMMISSIONER
PUBLIC SERVICE COMMISSION OF UTAH

Ric Campbell was appointed to the Public Service Commission on March 1, 2001 and was reappointed on March 1, 2007 for an additional six year term. Ric Campbell is a member of the National Association of Regulatory Utility Commissioners (NARUC) and serves on the Committee on Electricity, as well as on the Board of Directors. He also serves on the Board of Directors of the Western Electricity Coordinating Council.

Prior to his appointment, he was the Director of the Utah Division of Public Utilities. While at the Division, Ric also served as a member of the Utah Telecommunications Advisory Council and on the Utah Rural Telecommunications Task Force. Before joining the Division, Ric was the Executive Director of the Utah Health Policy Commission. Prior to Ric's public service in state government, he worked for Shell Oil Company. Ric has a B.S. degree in Accounting from Brigham Young University and a M.S. degree in Economics from the University of Utah.

DAVID CLARK
LEGAL COUNSEL
PUBLIC SERVICE COMMISSION OF UTAH

David Clark began his service as Legal Counsel to the Public Service Commission of Utah in June, 2010. In this capacity he advises the Commissioners on a variety of legal and policy issues and serves as a Hearing Officer presiding over contested cases. He joined the Commission's staff as a Technical Consultant in March 2010.

Prior to his work for the Commission, David practiced law in California specializing in energy and telecommunications regulation. He represented major, California-based utilities in administrative proceedings before regulatory agencies and managed the Legal Division of a Fortune 500 company.

David's other professional activities have included founding a successful financial services business in the banking sector and operating the business for six years as its president. He also teaches university-level courses in business law and ethics, and critical thinking.

David received his undergraduate and law degrees from Brigham Young University.

ROBERT M. CLAYTON III
COMMISSIONER
MISSOURI PUBLIC SERVICE COMMISSION

Commissioner Robert M. Clayton III was appointed by Governor Bob Holden to a six-year term on the Public Service Commission, receiving Senate confirmation on May 8, 2003. He was appointed chairman by Gov. Jay Nixon on January 13, 2009. He served as chairman until Feb. 9, 2011.

Prior to his appointment to the PSC, Commissioner Clayton was an attorney in private law practice in Hannibal as a partner in the general practice firm, Clayton & Curl L.L.C. Commissioner Clayton formerly served Marion and Shelby County constituents in the Missouri General Assembly as the state representative from the 10th District. He was first elected to the Missouri House in 1994 and served four consecutive terms.

As a state legislator, he chaired the House Ethics Committee and the Joint Committee on Legislative Research and was Vice-Chairman of the Committee on Criminal Law. He also served on additional House committees including, Appropriations-Transportation, Agriculture and the Judiciary. While in the General Assembly, Clayton served on the Executive Committees of the Council of State Governments and the Southern Legislative Conference.

Commissioner Clayton is an active member of the National Association of Regulatory Utility Commissioners (NARUC). He is a former Chairman of the Committee on International Relations, which included serving as the NARUC representative appointed to attend the Presidium of the Energy Regulators Regional Association (ERRA) of Eastern and Central Europe. He has worked with several member nations of the African Forum for Utility Regulation (AFUR) including the nations of Rwanda and Uganda. He has also offered presentations on energy regulation in Azerbaijan, Hungary and before the Organization of Caribbean Utility Regulators.

He is also a member of the Public Utility, Communications and Transportation Law Section of the American Bar Association. He serves on the Homeland Security Advisory Council, is a member of the Missouri Oil and Gas Council and serves on the Financial Research Institute Advisory Committee.

Commissioner Clayton received his Bachelor of Arts in History from Southern Methodist University in 1991 and earned his Juris Doctor from the University of Missouri-Kansas City in 1994.

ROBERT E. CURRY, JR.
COMMISSIONER
NEW YORK STATE PUBLIC SERVICE COMMISSION

Robert E. Curry, Jr. was appointed Commissioner of the New York State Public Service Commission on June 22, 2006. His term runs through February 1, 2012. A member of the Committee on Energy Resources and the Environment of the National Association of Regulatory Utility Commissioners (NARUC), he is also Vice-Chair of the Department of Energy/NARUC LNG Partnership.

Immediately prior to his appointment, Mr. Curry was a lawyer in private practice, with an emphasis on corporate governance and transactional work. During his legal career, Mr. Curry has been a partner at several law firms, including Heller Ehrman, Sonnenschein, and Dickstein Shapiro. In addition to his law firm experience, he served as Senior Vice President and General Counsel of Covanta Holding Corporation (formerly Odgen Corporation) during its transformation from a *Fortune 150* industrial company to a *Fortune 50* services company.

At Covanta and thereafter, Mr. Curry had extensive involvement with PURPA projects in renewable generation, both in hydro-electric and refuse-to-energy, and with the transportation of LNG and other petroleum products. Mr. Curry has also worked in the field of offshore exploration and production of hydro-carbons in the Gulf of Mexico. In addition, while in private practice, he represented for a number of years a thrift subject to regulatory scrutiny, as well as one of the 'Big Four' accounting and consulting firms.

A member of the Board of Advisors of the Columbia Law School Center on Corporate Governance since 2004, Mr. Curry has spoken at the ALI – ABA Corporate Governance Institute and the annual meeting of the National Association of Corporate Directors, as well as numerous programs at NARUC and in the industry. Mr. Curry has served on the New York State Bar Association's Special Committee on Preserving the Core Values of the Legal Profession and as General Counsel of The Foundation for Early Lung Cancer Detection. Mr. Curry also was a Co-Founder, and thereafter President, of the Metropolitan New York Chapter of the Association of Corporate Counsel.

Mr. Curry received his law degree from Columbia University School of Law and his Bachelor of Arts degree, with honors, from Georgetown University. He and his wife Margaret have a daughter, Bevin and a son, Rob.

PHILLIP L. DUKES
CHIEF LEGAL COUNSEL
CONNECTICUT DEPARTMENT OF PUBLIC UTILITY CONTROL

Mr. Dukes is Chief Counsel of the Connecticut Department of Public Utility Control (DPUC), as well as its Communications Director. Mr. Dukes supervises the team of lawyers that assist the five DPUC Commissioners in execution of their duties for the regulation of Connecticut utilities in the areas of electricity, natural gas, water, cable and telecommunications. The legal unit is also responsible for assisting in conducting dockets, drafting legal opinions, assisting in the development of state energy policy, implementation of renewable technology and generation development programs, regulation of electric suppliers and aggregators, implementation and enforcement for the gas pipeline safety program.

Prior to joining the DPUC, Mr. Dukes served as Counsel for Policy and Legislative Affairs to Connecticut Governor M. Jodi Rell, where he served as the head of the Governor's legislative team, responsible for passing the Governor's initiatives and managing legislative relationships, as well as serving as the senior policy advisor and policy implementer for the Governor. He graduated with a BA from the University of Connecticut, received his Juris Doctor degree after attending both the University of Akron School of Law in Ohio and Western New England College of Law in Massachusetts and received his Masters of Business Administration in Finance from the University of Connecticut. Mr. Dukes is a member of the bar in Connecticut, New York and Washington, D.C.

Mr. Dukes has also served as Associate Legal Counsel to Connecticut Governor John G. Rowland. Before that he served for six years as an Administrative Attorney for the Connecticut Department of Banking, acting as the primary prosecutor in the area of

securities enforcement. Prior to working for the Department of Banking, Mr. Dukes served for three years as Deputy Legal Counsel to House Minority Leader Robert M. Ward in the Connecticut General Assembly. He also served as Senior Legislative Aide to State Senator William H. Nickerson of Greenwich, then Chairman of the Finance Committee and, previous to that, was an associate with the Law Offices of Carron, Grace & Fink of Westport, Connecticut, where he practiced in the areas of securities, corporate law, mergers and acquisitions, bankruptcy, and estate and financial planning.

JEANNE FOX
COMMISSIONER
NEW JERSEY BOARD OF PUBLIC UTILITIES

Ms. Fox is currently in her second term as Commissioner of the BPU. Ms. Fox served as President of the Board from 2002-2010. Over the past six years, the BPU has facilitated the exponential growth of New Jersey's solar photovoltaic market, growing from 6 installation in 2001 to over 3100 installations currently, through the simultaneous implementation of the solar rebate program, model net metering and interconnection standards, and the nation's first Solar Renewable Energy Certificates (SRECs) trading program.

Ms. Fox has also been an integral member of the Regional Greenhouse Gas Initiative (RGGI) Board of Directors since its inception in 2003. This ten-state northeastern coalition negotiated a Memorandum of Understanding (MOU) for reducing carbon emissions from stationary power sources using trading certificates, the first plan of its kind in the United States that will help reduce carbon emissions.

Ms. Fox is the chair of the state Energy Master Plan Committee, the interagency committee tasked by the Governor to work on the Energy Master Plan. Ms. Fox is active with the National Association of Regulatory Utility Commissioners (NARUC) as a member of the Board of Directors, the Committee on Energy Resources and the Environment, the Committee on Critical Infrastructure, Subcommittee on Education and Research, and the Utility Market Access Partnership. Ms. Fox is a member of the Executive Committee and served as President of the Mid-Atlantic Conference of Regulatory Utilities Commissioner. She is Chair of the National Council on Electricity Policy (NCEP), a consortium of the National Governors Association, National Conference of State Legislatures, National Association of State Energy Officials, the Department of Energy and the Environmental Protection Agency.

Ms. Fox serves as a member of the National Academy of Science Panel on Public Participation in Environmental Assessment and Decision Making; National Leadership Group on Energy Efficiency; Harvard Electricity Policy Group; Consumer Energy Council of America's Public Policy Initiative Fuels and Technologies Forum; and the Advisory Council to the Board of Directors and the Executive Committee of the Electric Power Research Institute.

Ms. Fox is a member of the U.S. Department of Energy's Electricity Advisory Committee that provides senior-level counsel to the DOE's Office of Electricity Delivery and Energy Reliability. The Committee advises the Office on the deployment of smart grid technologies, research and development on energy storage technologies, renewable energy resource system integration, and new transmission infrastructure to ensure efficient delivery of electricity.

Ms. Fox previously served as Regional Administrator of the United States Environmental Protection Agency where she had jurisdiction over New Jersey, New York, Puerto Rico and the US Virgin Islands. She also has serves as Commissioner and Deputy Commissioner of the New Jersey Department of Environmental Protection and Energy.

Ms. Fox received a Bachelor's Degree from Douglass College, Rutgers and a Juris Doctor from the Rutgers University School of Law.

RICHARD JACKSON
EXECUTIVE DIRECTOR
NEW JERSEY BOARD OF PUBLIC UTILITIES

Richard Jackson is the Executive Director of the New Jersey Board of Public Utilities (BPU). Mr. Jackson oversees the Divisions of Audits, Energy, Reliability & Security, Telecommunications and Water, as well as the Office of Cable Television.

Prior to his employment at the BPU, Mr. Jackson served as Senior Vice President, Operations at Louisiana Offshore Oil Port in Covington, LA., where he was responsible for all operations at the off-shore Marine Terminal and on-shore pipeline, tank and cavern storage and control facilities.

Mr. Jackson was also employed by South Jersey Gas Company in Folsom, NJ for over twenty years in various management positions including Executive Vice President & Chief Operating Officer.

STEVE L. KLICK
EXECUTIVE POLICY MANAGER FOR CHAIRMAN POWELSON
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Steve L. Klick is executive policy manager for Pennsylvania Public Utility Chairman Robert F. Powelson, serving as an advisor on financial and rate matters with a focus on energy and water issues. He is also vice chair of NARUC's Subcommittee on Water, coordinator of NARUC's Rate School, and advisor to Water Committee Chairman Butch Howard. Previously he worked as senior manager of rates and assistant treasurer for Pennsylvania American Water Company. From 2004 to 2006, he was director of regulatory planning for United Water, where he was responsible for regulatory strategy. Prior to joining United Water, he worked in various positions of increasing responsibility for Allegheny Energy. Mr. Klick has testified on a wide range of regulatory issues, both energy and water, in five states and before FERC and has worked in detail on over 50 rate cases

STEVEN D. LESSER
COMMISSIONER
PUBLIC UTILITIES COMMISSION OF OHIO

Steven D. Lesser was appointed commissioner of the Public Utilities Commission of Ohio by Gov. Ted Strickland in 2010.

Commissioner Lesser has been very involved in utility regulation over the past 30 years, beginning his career at the PUCO in 1979. Prior to his appointment as commissioner, he served the PUCO as chief of staff, assistant director of the legal department, deputy director of the transportation department and administrative law judge/attorney examiner in the legal department. In his role as chief of staff, Lesser was instrumental in developing policy positions on legal and regulatory issues and was responsible for overseeing the daily operations of the agency. In addition, he played a critical role in the implementation of the new electric regulation bill and the "green" rules which encourage the development of alternative energy and energy efficiency in Ohio.

Commissioner Lesser has served on numerous state and federal committees, including the Alliance for Uniform Hazardous Materials Transportation Procedures and the Intelligent Transportation Advisory Committee. Additionally, he established the transportation civil forfeiture and enforcement section at the PUCO. Lesser also worked on consumer protection and safety legislation in the transportation division, developed national standards for hazardous material safety, created natural gas conservation programs, and established minimum standards for the water industry. He has had numerous materials published in law review and industry publications.

Early in his career, Commissioner Lesser served as legal counsel to Lawyers Title Insurance Corporation and was law director for the Village of Hanover in Licking County, Ohio. He received his Juris Doctorate from Capital University Law School and his bachelor's degree from State University of New York at Binghamton.

ARNETTA MCRAE
CHAIR
DELAWARE PUBLIC SERVICE COMMISSION

Arnetta McRae was appointed to the Delaware Public Service Commission in July 1996 and assumed her current position as Chair in July 2001. Previously, she was employed for 18 years as counsel with the DuPont Company, where she provided legal services for domestic and international business units. She also has held positions in commercial banking and human services organizations.

Over the course of her career in utilities regulation, Chair McRae has served in a number of capacities at regional and national levels. She is a former president of the Mid Atlantic Conference of Regulatory Utilities Commissioners. She also has served on the Executive Committee of the Board of Directors of the National Association of Regulatory Utilities Commissioners (NARUC). Recently, she ended a two year term as Chair of NARUC's International Relations Committee. She currently is a member of NARUC's newly established Subcommittee on Utility Marketplace Access Partnership, Board of Directors of the National Regulatory Research Institute and the Advisory Council of the New Mexico State Center for Public Utilities. Additionally, Arnetta and her colleagues at the Department of Natural Resources and Environmental Control are Delaware's representatives for the Regional Greenhouse Gas Initiative and Eastern Interconnect State Planning Council.

Arnetta is a member of the Board of Education of New Castle County Vocational Technical School District, a past president of the Delaware School Boards Association and a past member of the Board of Directors and Northeast Region Director of the National Black

Caucus of School Board Members. She also serves on the Chief Executive Officer's Advisory Council of the Girl Scouts of Chesapeake Bay Council. Previously, she served on the Board of Directors of the Grand Opera House and the YWCA and has held leadership positions in a number of other community organizations. Arnetta holds a BS in Business Administration from Morgan State University in Baltimore, MD and a JD from Case Western Reserve University School of Law in Cleveland, Ohio.

JED M. NOSAL
MASSACHUSETTS ATTORNEY GENERAL'S OFFICE
CHIEF, BUSINESS & LABOR BUREAU

Jed M. Nosal is the Chief of Massachusetts Attorney General Martha Coakley's Business and Labor Bureau. Mr. Nosal is responsible for overseeing the Divisions in the Bureau, which include Business, Technology and Economic Development; Energy and Telecommunications; Fair Labor; Medicaid Fraud; and Non-Profit Organizations/Public Charities.

Prior to serving as Chief of the Business & Labor Bureau, Mr. Nosal also served as Chief of the Energy and Telecommunications Division in the Attorney General's Office. Mr. Nosal was responsible for advising Attorney General Coakley for carrying out her common law and statutory duties to represent the public interest and to enforce public rights in utility matters as well represent Massachusetts consumers before state and federal energy and telecommunication regulators, including related appellate litigation in state and federal courts.

Mr. Nosal previously served as the General Counsel to the Massachusetts Department of Telecommunications and Energy and prior to that served as a Senior Administrator and Policy Advisor in the Office of Consumer Affairs and Business Regulation as the Deputy Director and Chief of Staff. Mr. Nosal has held other positions in state and municipal government including Deputy Legal Counsel to Governor Jane Swift and staff counsel to both the State and Boston Police Departments.

Mr. Nosal is a graduate of Union College in Schenectady, New York and received his law degree

ROBERT F. POWELSON
CHAIRMAN
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Robert F. Powelson serves as Chairman of the Pennsylvania Public Utility Commission (PUC). Chairman Powelson was first nominated to the PUC on June 19, 2008, by Governor Edward G. Rendell to fill the remainder of an unexpired term. The Pennsylvania Senate unanimously confirmed Chairman Powelson to serve as Commissioner on June 30, 2008. Commissioner Powelson was renominated by Governor Rendell for a full five-year term on February 12, 2009, and once again unanimously confirmed by the Pennsylvania Senate on April 22, 2009. On February 24, 2011, Governor Tom Corbett appointed Powelson Chairman of the PUC. Chairman Powelson's term expires on April 1, 2014.

On March 8, 2011, Governor Corbett invited Chairman Powelson to serve as a member of the Marcellus Shale Advisory Commission. The Commission will undergo a comprehensive review of the Commonwealth's existing statutes, regulations and policies and provide recommendations to ensure that Pennsylvania maximizes the opportunity that Marcellus Shale presents in the most responsible manner possible.

Chairman Powelson was appointed to the National Association of Regulatory Utility Commissioners (NARUC) Board of Directors on March 16, 2011. In addition, Chairman Powelson is Co-Vice Chair of NARUC's Committee on Water. Chairman Powelson has been appointed to represent the Water Committee on NARUC's Task Force on Climate Policy. He is also a member of the NARUC Committee on Critical Infrastructure and a member of the NARUC Subcommittee on Nuclear Issues-Waste Disposal.

Under Chairman Powelson's leadership, Pennsylvania ratepayers have had an active voice on issues such as nuclear power production, renewable investment, broadband deployment, infrastructure development, unaccounted-for water, and reliable electric service at rates that have been capped for 12 plus years. In a relatively short period, Chairman Powelson has been a leading voice on competitive markets and a staunch advocate for the nuclear power industry in the Commonwealth of Pennsylvania.

Previously, Chairman Powelson served as the President of the Chester County Chamber of Business & Industry, a 1,600- member business organization that he joined in 1994. During his tenure as President and CEO, the Accrediting Board of the U.S. Chamber of Commerce awarded the Chester County Chamber a Three Star Accreditation standard of excellence. In 2005, he was selected by the Eisenhower Presidential Fellows to be a U.S. fellow in Singapore and Australia.

Prior to joining the Chester County Chamber, Chairman Powelson was the Director of Government Relations for the Delaware County Chamber, where he helped to develop the county's economic development strategy. From 1990-91, Powelson served as a Staff Assistant to Congressman Curt Weldon.

Chairman Powelson holds a Bachelor of Administration degree from St. Joseph's University and a Master of Governmental Administration degree from the University of Pennsylvania with a concentration in public finance.

TIMOTHY ALAN SIMON
COMMISSIONER
CALIFORNIA PUBLIC UTILITIES COMMISSION

Timothy Alan Simon was appointed to the California Public Utilities Commission by Governor Arnold Schwarzenegger on February 15, 2007. As a former securities and banking attorney, Commissioner Simon firmly supports investment in utility infrastructure as being critical to California's economic future, and encourages a balanced public policy in areas of utility regulation. He actively promotes and encourages diversity in utility procurement, educational opportunities, and the workplace.

Commissioner Simon serves as Chair of the National Association of Regulatory Utility Commissioners (NARUC) Committee on Gas, NARUC's Board of Directors, Critical

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Infrastructure and Consumer Affairs Committees, and Utility Marketplace Access Sub-committee. Commissioner Simon also serves on the Department of Energy's National Petroleum Council, and is the former Chair of the Liquified Natural Gas Partnership between NARUC and Department of Energy. Commissioner Simon was recently appointed to the Department of Transportation Pipeline Safety Task Force by Secretary Ray LaHood due to his experience and expertise on natural gas and public safety matters.

Commissioner Simon is on the Advisory Board of the Berkeley Energy & Resources Collaborative at U.C. Berkeley, and the California Green Collar Jobs Council. Commissioner Simon is the assigned Commissioner to the Low Income Oversight Board, which advises the Commission on its energy, water, and telecommunications public purpose programs. Prior to joining the CPUC, Commissioner Simon served as the Appointments Secretary to Governor Schwarzenegger, the first African American in California history to hold that post.

Commissioner Simon received a Bachelor's Degree in Economics from the University of San Francisco, and a Juris Doctorate from Hastings College of the Law, University of California. He currently is an adjunct professor of Securities Regulations at the Golden Gate University School of Law in San Francisco, and acts as an advisor on international securities in Golden Gate's U.S. Legal Studies Program.

As an active member of the Bay Area community, Commissioner Simon serves on several non-profit boards, including Catholic Charities/CYO of the San Francisco Bay Area, as Audit Committee Chair, and the Megan Furth Catholic Academy. He is engaged to Kimberly Brandon and is the proud father of three children.

JEFFREY STOCKHOLM
ADVISOR TO THE EXECUTIVE OFFICE
NEW YORK PUBLIC SERVICE COMMISSION

Jeffrey E. Stockholm is serving as an Advisor to the Executive Office at the NYS Public Service Commission. He was an Administrative Law Judge with the Commission's Office of Hearings and Alternative Dispute Resolution for 18 years, and has presided over electric, telephone, gas, and water rate cases, utility prudence investigations, environmental siting cases, and energy and telecommunications competitive restructuring proceedings. He has also devoted considerable efforts to institutionalizing the use of the spectrum of ADR processes in Commission proceedings.

Judge Stockholm previously served as Staff Counsel and Senior Siting Counsel for the Commission and was the managing partner in a general practice law firm. He graduated from the University of Rochester with a BA degree in chemistry (minors in math, physics, and biology) in 1970, received a Juris Doctor cum laude from Albany Law School in 1975, a certification in Dispute Management from the Cornell School of Industrial and Labor Relations in 1996, and a MA in Theology from St. Bernard's School of Theology and Ministry in 2004. He has also served as a volunteer mediator and arbiter in local Community DR Centers, a volunteer arbiter in the Attorney General's fee dispute and Lemon Law programs, and an arbiter with FINRA Dispute Resolution.

BETSY WERGIN
COMMISSIONER
MINNESOTA PUBLIC UTILITIES COMMISSION

Betsy Wergin grew up in a family of 11 children on a dairy farm in Minnesota. After completing high school, Betsy took accounting courses at St. Cloud State College as well as other courses at various Technical Colleges. Betsy and her husband Richard live in rural Princeton and have two adult children.

At the age of 20, she purchased her first business, a drycleaners. After selling the business, Betsy worked as a Cost Accountant for a manufacturing company and then a benefits and payroll manager and later assistant to the Chief Financial Officer of a group of nursing homes. She opened a second retail business which she owned and operated for 20 years. Part of the business was also speaking and teaching at many national seminars. Betsy and her husband Richard provided a home for about 100 foster children, primarily teen age girls, over a period of 17 years.

Betsy currently serves as a member of the National Association of Regulatory Utility Commissioners (NARUC) Committee on Consumer Affairs, Committee on Critical Infrastructure, Committee on Washington Action and Committee on International Relations.

Betsy enjoys public service and has served five years as a Township officer, eight years as a County Commissioner and five and one-half years as a Minnesota State Senator. Appointed Commissioner August 1, 2008; reappointed December 16, 2009, term expires January 4, 2016.

HUMPHREY WIREKO
POLICY ASSISTANT TO COMMISSIONER LESSER
PUBLIC UTILITIES COMMISSION OF OHIO

Humphrey Wireko is Policy Assistant to Commissioner Steven Lesser of the Public Utilities Commission of Ohio (PUCO). As Policy Assistant he advises the Commissioner on a wide variety of regulatory issues, specializing in natural gas, electricity and alternative energy. Humphrey has been with the Commission since 2009 and has served in a number of areas including the Public Affairs and Docketing divisions. Before working at the Commission he served as an assistant to State Senator Eric Kearney. He received his B.A. in Political Science from The Ohio State University.

Gee Strategies Group, LLC
www.geestrategies.com

Utility Commissioners/ Wall Street Dialogue
Waldorf=Astoria Hotel
Hilton Room
(Lobby Level near Park Avenue Entrance)
301 Park Avenue
New York, New York 10022
(212) 355-3000
May 17 - 18, 2011

AGENDA

Ground Rules for Dialogue
1. Discussion shall not involve any pending cases before commissioners.
2. Conversations are not intended to arrive at a consensus.
3. Remarks are not for attribution.

Monday, May 16, 2011

7:00 p.m. **Welcome Dinner**
Bobby Van's Park Avenue
230 Park Avenue
(Meet in Hotel Lobby at 6:45 p.m.)

Tuesday, May 17, 2011
Hilton Room

7:00 – 8:00 a.m. **Registration and Continental Breakfast**

8:00 a.m. – 5:00 p.m. **General Session**

8:00 a.m. – 8:15 a.m. **Welcome**

Robert Curry, Commissioner – New York Public Service Commission

Overview and Ground Rules
Robert W. Gee, President, Gee Strategies Group, LLC

8:15 a.m. – 10:00 a.m. **Chief Executive Officers' Perspectives on the Current Business Environment for Utilities under Challenging Conditions**

Introduction: Investor-owned electric utilities today confront a host of challenges ranging from evolving market models to anticipated environmental compliance costs, compounded by the need to increase capital expenditures for system maintenance and upgrades. How will these multiple challenges looming on the horizon be met? This panel will address these subjects, with an emphasis on how regulation can facilitate or impede the current operating environment.

Moderator: Robert Curry, Commissioner – New York Public Service Commission

Panelists: Alan Hodnik, President and CEO, Allete
Ralph Izzo, Chairman, President and CEO, Public Service Enterprise Group, Inc.
James Torgerson, President and CEO – UIL Holdings Corporation

Lead Respondent: Robert Clayton, Commissioner – Missouri Public Service Commission

10:00 -- a.m. – 10:30 a.m. **Break**

10:30 a.m. – 11:45 a.m. **Emerging Energy and Environmental Issues: Implications for Utilities and Their Customers**

David K. Owens, Executive Vice President – Edison Electric Institute

11:45 a.m. – 1:15 p.m. **Lunch**
Hilton Room

1:15 p.m. -- 2:45 p.m. **What "Wall Street" Does, Part I: The Credit Rating Agencies and Debt Analysts**

Introduction: Who are the principal players in the financial sector, and how do their roles influence the cost of and access to capital by electric utilities? What is the capital markets' outlook given the need for utilities to access capital to fund their capital expenditure plans? **This first panel will explore the role of credit rating agencies, and how their opinions influence the cost of and access to capital, augmented by the viewpoint of a debt analyst.**

Moderator/Lead Panelist: Timothy Simon, Commissioner – Califomia: Public Utilities Commission

Panelists: Barbara Chapman, Director, Credit Trading-Sector Specialist, BNP Paribas Securities Corp.
Karen Choi, Investment Analyst – Capital Research Company
Richard Cortright, Managing Director – Standard & Poor's Corporation

Lead Respondent: Betsy Wergin, Commissioner – Minnesota Public Utilities Commission

2:45 p.m. – 3:00 p.m. **Break**

3:00 p.m. – 4:30 p.m. **What "Wall Street" Does, Part II: The Investors and Equity Analysts**

Introduction: Continuing with our discussion of who are the principal players in the financial sector, and how their roles influence the cost of and access to capital by electric utilities, **our second panel will feature perspectives from the equity investment sector, including those of an investment banker, a private equity investor, and an equity analyst.**

Moderator: Arnetta McRae, Chairman, Delaware Public Service Commission

Panelists: James (Nick) McKee, Managing Director, North America Power & Utilities – Citi
James von Riesemann, Executive Director – UBS Securities LLC

Lead Respondent: Jed Nosal, Chief, Business & Labor Bureau -- Office of the Attorney General, Commonwealth of Massachusetts

4:30 p.m. – 5:00p.m. **Perspectives for the Day**

Moderator: Robert Curry, Commissioner – New York Public Service Commission

5:00 p.m. **Adjourn for the Day**

6:00 – 8:30 p.m. **Reception & Dinner with Securities Analysts Hosted by EEI**

WEDNESDAY, MAY 18, 2011
Hilton Room

7:00 a.m.--8:00 a.m. **Registration & Breakfast**

8:00 a. m.--12:00 p.m. **General Session**

8:00 a.m. -- 9:30 a.m. **"Running the Environmental Gauntlet": Air Emission Controls, and the Impact on Financial Markets**

Introduction: Whether or when climate change legislation will ever be adopted into law remains highly uncertain, but little doubt remains that electric utilities will be required to shoulder compliance costs for heightening emission limits for traditional pollutants by the Environmental Protection Agency. How are the financial markets reacting to this, and what opinions do the experts share regarding potential winners and losers under various scenarios?

Moderator: Jeanne Fox, Commissioner – New Jersey Board of Public Utilities

Panelists: Daniel Chartier, Director, Environmental Markets and Air Quality Programs – Edison Electric Institute
James Hempstead, Senior Vice President – Moody's Investors Service
Hugh Wynne, Senior Research Analyst - Sanford C. Bernstein & Co.

Lead Respondent: Ric Campbell, Commissioner – Utah Public Service Commission

9:30 a.m. -- 9:45 a.m. **Refreshment Break**

9:45 a.m. – 10:00 a.m. **Prelude to "Game Changing" Panel: Current Developments at Fukushima-Daiishi Nuclear Plant in Japan**
Richard Myers, Vice President, Policy Development – Nuclear Energy Institute

10:00 a.m.-11:30 a.m. **"Game Changing" Regulatory Issues on the Horizon: The Role of Shale Gas and Nuclear Power in the Utility's Generation Mix of the Future**

Introduction: The utility industry's generation mix has always involved complicated questions of markets, technology risk, and financial viability, among other factors. Recent developments affecting two traditional fuel sources for generation have opened significant questions regarding their future role in the country's energy future. Because of tightening air emission regulatory requirements, natural gas is poised to play an even greater role for power generation. The surge in production of shale gas also holds open the possibility of creating enormous potential for domestic supply, provided environmental issues can be adequately addressed. Nuclear currently constitutes 20 percent of the mix, and had been viewed as a potentially viable option because of its nonemitting character in meeting environmental goals. However, safety issues have been raised owing to the recent developments in Japan following the earthquake and tsunami. How will that event affect the near and long-term outlook for nuclear power development in the United States? What is the opinion of the financial sector?

Moderator: Robert Powelson, Chairman – Pennsylvania Public Utility Commission

Panelists: Richard Myers, Vice President, Policy Development – Nuclear Energy Institute
James A. Slutz, President & Managing Director, Global Energy Strategies, LLC
Charles Trabandt, Vice President – Charles River Associates
Peter Kind, Senior Managing Director – Macquarie Capital (USA), Inc.

Lead Respondent: Steven Lesser, Commissioner – Public Utilities Commission of Ohio

11:30 a.m. --12:00 p.m. **Final Thoughts on the Dialogue: The Commissioners Get the Last Word**

Moderator: Jeanne Fox, Commissioner – New Jersey Board of Public Utilities

12:00 p.m. **Adjournment (Box lunches will be available starting at 11:15 a.m. for departure)**

Gee Strategies Group, LLC

Utility Commissioners/Wall Street Dialogue
May 17-18, 2011, New York City

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May 17-18, 2011, New York City

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Utility Commissioners/Wall Street Dialogue
May 17-18, 2011, New York City

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PANELISTS' BIOGRAPHIES

BARBARA J. CHAPMAN
DIRECTOR, CREDIT TRADING – SECTOR SPECIALIST
BNP PARIBAS SECURITIES CORP.

Barbara J. Chapman is employed by BNP Paribas Securities as a Credit Trading-Sector Specialist. In this sell-side role, Ms. Chapman supports the firm's secondary trading and primary issuance activities for debt instruments of the utility, pipeline, and energy sectors. From February 2009 to June 2010, Ms. Chapman was employed by J.P. Morgan Asset Management as a Vice President in Fixed Income Research. In this buy side role, Ms. Chapman provided utility and pipeline credit analysis and relative value opinions to the firm's portfolio managers. In 2008, Ms. Chapman was employed as a Managing Director in Fixed Income Research at Bear Stearns. Previously, Ms. Chapman was employed on the buy side by The Guardian Life Insurance Company of America from December 2003 to February 2008 as a Senior Analyst in the Fixed Income Research Group. In this capacity, Barbara was responsible for the credit analysis of the firm's utility, generation, and pipeline holdings. Barbara held a similar buy side position with Citigroup Investments' Credit Research Group from January 2001 through December 2003.

Ms. Chapman began her utility analyst career with a variety of sell side positions. From August 1995 to through December 2000, she was a Vice President in J.P. Morgan's Taxable Credit Research Department. Prior to joining J.P. Morgan, Ms. Chapman worked for Bear Stearns from 1993 to 1995, where she was an electric utility analyst in the Fixed Income Research Department. From 1990 to 1993 Barbara was an equity analyst and covered the electric utilities industry at NatWest Securities. From 1989 to 1990, Barbara was an electric utility analyst in the Equity Research Department of Dean Witter Reynolds. Previously, she worked in the fashion industry, initially as a buyer, and later as the assistant controller for a fragrance distributor.

Barbara graduated summa cum laude from Ohio State University in 1982 with a B.S. in Merchandising. In 1989, she was awarded an M.B.A. from New York University.

DANIEL CHARTIER
DIRECTOR, ENVIRONMENTAL MARKETS AND AIR QUALITY PROGRAMS
EDISON ELECTRIC INSITITUTE

Dan Chartier is Director, Environmental Markets and Air Quality Programs at the Edison Electric Institute (EEI). EEI is the association of U.S. shareholder-owned electric companies. EEI's members serve 95 percent of the ultimate customers in the shareholder-owned segment of the industry, and represent approximately 70 percent of the U.S. electric power industry.

At EEI, Mr. Chartier's work includes traditional pollutant (SO_2, NO_x, particulate, ozone, etc.) and climate change issues, and the design and oversight of environmental markets. Mr. Chartier also currently serves an Adjunct Professor at the Johns Hopkins Carey Business School where he teaches a graduate level course on environmental finance.

Prior to joining EEI in early-2008, Mr. Chartier worked in the Clean Air Markets Division of the U.S. Environmental Protection Agency (USEPA). He served as full-time President of the Environmental Markets Association (EMA) from 2002 through 2005. He previously held the position of Emissions Marketing Manager at PG&E's National Energy Group in Bethesda, Maryland. Prior to joining PG&E he worked at Wisconsin Electric Power Company from 1986 to 1999 in various positions including Clean Air Act Compliance Planner and Emissions Trading Manager.

Mr. Chartier is a principal co-founder and past Board Chairman of the EMA. He has testified before Congress and state legislatures on emissions trading and climate policy issues, and has presented technical and policy papers at numerous national and international conferences. He holds a Bachelors of Science in Mechanical Engineering and a Masters in Business Administration, both from the University of Wisconsin - Milwaukee.

KAREN CHOI
VICE-PRESIDENT
CAPITAL RESEARCH CO.

Karen Choi is a fixed-income investment analyst for Capital Research Company with domestic utilities responsibilities. Prior to joining Capital Research in 2007, she was a senior vice president and a fixed-income analyst with AllianceBernstein. Prior to that, she worked as a fixed-income analyst with Prudential Financial. Ms. Choi earned a BA in international relations from Wellesley College. She holds the Chartered Financial Analyst® designation and is based in New York.

RICHARD W. CORTRIGHT, JR.
MANAGING DIRECTOR
STANDARD & POOR'S

Richard W. Cortright, Jr. is a managing director in Standard & Poor's U.S. Utilities and Infrastructure Ratings group, and is engaged in the analysis and communication of ratings on utility credits. Richard is a principal spokesperson for Standard & Poor's in the utility sector, and leads the department's efforts in communications with state commissions, their staffs and other related entities. His responsibilities also include maintaining the quality of ratings, meeting with utility management and investors, chairing rating committees, and contributing to Standard & Poor's publications.

For the nine years prior to his current role, he was responsible for managing several Standard & Poor's analysts and maintaining the quality of ratings in the utility sector. Before joining Standard & Poor's, Richard was with The Chase Manhattan Bank's Global Power Group as a vice president in the public utilities division. Previously, he concentrated on utilities at Irving Trust Co. and Swiss Bank Corp.

Richard holds a B.A. in history from Swarthmore College and an M.I.A. from the Columbia University School of International Affairs.

JAMES HEMPSTEAD
SENIOR VICE PRESIDENT
POWER/UTILITIES – AMERICAS
MOODY'S

Jim Hempstead is currently a Senior Vice President in the Global Infrastructure Finance Group. Jim joined Moody's in December 2002. He covers a portfolio of U.S.-based electric and natural gas utility companies and not-for-profit generation and transmission cooperatives.

Prior to joining Moody's, Jim spent approximately four years with Merrill Lynch & Co., working in the Global Energy & Power Group, and provided financial and advisory services to electric, natural gas distribution, interstate pipeline, energy merchant, water and energy technology companies. Prior to joining Merrill Lynch, Jim spent approximately four years with Salomon Smith Barney Corporate Finance, working in their Global Energy & Power Group.

Jim graduated with a B.S.B.A. from Villanova University and an M.B.A. from Fordham University.

ALAN R. HODNIK
PRESIDENT AND CHIEF EXECUTIVE OFFICER
ALLETE

Joined the Company in 1982. Educated at the University of Minnesota-Minneapolis. Served as an Organizational Development Consultant, Co-Leader and Leader from 1989 to 1994, when he became manager of the Laskin Energy Center. Was named General Manager – Thermal Generation Operations in 2000, and Vice President of Generation Operations in 2005. He became Senior Vice President – Minnesota Power Operations in 2006, and was promoted to Chief Operating Officer in 2007. Named President of ALLETE in May of 2009 and became Chief Executive Officer effective May 1, 2010.

RALPH IZZO
CHAIRMAN AND CHIEF EXECUTIVE OFFICER
PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED

Ralph Izzo was elected chairman and chief executive officer of Public Service Enterprise Group Incorporated (PSEG), in April 2007. He was also named as the company's president and chief operating officer, and a member of the board of director s of PSEG, in October 2006. Prior, Mr. Izzo was president and chief operating officer of Public Service Electric and Gas Company (PSE&G).

Since joining PSE&G in 1992 Mr. Izzo was elected to several executive positions within PSEG's family of companies, including PSE&G senior vice president – utility operations, PSE&G vice president – appliance service, PSEG vice president - corporate planning,

Energis Incorporated senior vice president – finance and information services, and PSE&G vice president - electric ventures. In these capacities, he broadened his experience in the areas of general management, strategic planning and finance.

Mr. Izzo is a well-known leader within the utility industry, as well as the public policy arena. His public policy experience includes service as an American Physical Society Congressional Science Fellow, in the office of U.S. Senator Bill Bradley. He also served four years as a senior policy advisor in the Office of New Jersey Governor Thomas H. Kean, specializing in energy, science and technology.

Mr. Izzo's career began as a research scientist at the Princeton Plasma Physics Laboratory, performing numerical simulations of fusion energy experiments. He has published or presented over 35 papers on magnetohydrodynamic modeling. Mr. Izzo received his Bachelor of Science and Master of Science degrees in mechanical engineering and his Doctor of Philosophy degree in applied physics from Columbia University. He also received a Master of Business Administration degree, with a concentration in finance from the Rutgers Graduate School of Management. He is listed in numerous editions of Who's Who and has been the recipient of national fellowships and awards. Mr. Izzo has received Honorary Degrees from the New Jersey Institute of Technology (Doctor of Science) and Thomas A. Edison State College (Doctor of Humane Letters).

Mr. Izzo serves as chair of Rutgers University Board of Governors and on the board of directors for the New Jersey Chamber of Commerce, the New Jersey Utilities Association, the Edison Electric Institute (EEI), the Nuclear Energy Institute (NEI) and The Center for Energy Workforce Development.

PETER H. KIND
SENIOR MANAGING DIRECTOR
MACQUARIE CAPITAL ADVISORS
POWER & UTILITIES INDUSTRY GROUP

Peter Kind is a Senior Managing Director in Macquarie Capital (USA) Inc.'s Macquarie Capital Advisors group focusing on coverage of the U.S. Utilities and Power industries.

Peter joined Macquarie in September 2009 to partner in the development of Macquarie's advisory and capital markets coverage activities with the U.S. Power & Utilities industries. Peter's banking experience includes capital markets advisory and transaction execution and strategic advisory services, including merger and acquisition and corporate finance advice. Peter's M&A experience includes all sectors of regulated utility and non-regulated power businesses.

Peter has over 25 years of utility industry investment banking experience, including prior experience at Bank of America, where he lead the Power and Utilities Corporate and Investment Banking effort, and Citigroup and Kidder Peabody, where he co-directed the Power & Utilities industry teams of each of those firms. Prior to investment banking, Peter worked for Arthur Andersen & Co.

Peter holds an MBA in Finance from New York University and BBA in Accounting from Iona College. Peter practiced as a Certified Public Accountant until 1981. Presently, Peter is Co-Chairman of EEI's Wall Street Advisory Group.

NICK MCKEE
MANAGING DIRECTOR, GLOBAL BANKING - CITI
CO-HEAD GLOBAL POWER & UTILITIES

Nick is the Co-Head of a team of professionals focusing on corporate and investment banking for regulated utilities and unregulated electric power companies throughout the North America as well as supporting our efforts globally. Citigroup's portfolio of clients in the power and utility space include the largest investor owned utilities, merchant energy and foreign subsidiary companies operating in globally.

In his twenty-plus years as a power industry specialist, Nick has provided structuring advice and raised over $80 billion in capital in both the public and private markets globally. Areas of expertise include corporate finance, structured and project financing, integrated risk management, capital structuring, loan syndication as well as debt and equity capital markets. Nick has extensive experience in business capitalization and restructurings.

Nick joined Citibank in 1985. Prior to joining the Power & Utilities Group, Nick was a relationship banker for several years in Citibank's National Corporate Banking Division specializing in corporate finance for private industrial companies. Nick received a BA in Economics and Political Science from the University of Missouri in 1984.

RICHARD MYERS
VICE PRESIDENT, POLICY DEVELOPMENT
NUCLEAR ENERGY INSTITUTE

Mr. Myers is responsible for defining policy initiatives, developing legislative proposals and managing Nuclear Energy Institute (NEI) programs in the following areas: used nuclear fuel policy; fuel supply; support for suppliers of equipment, services and fuel; nonproliferation; tax issues affecting the nuclear energy industry; financing of new nuclear facilities, and environmental policy. NEI's Policy Development Division is also responsible for developing NEI's annual business plan, monitoring energy policy issues and market trends, liaison with the financial community, and analysis of how changes in the energy markets affect existing nuclear plants and the economic prospects for new nuclear plants.

Mr. Myers started his career as a journalist. From 1973 to 1986, he was executive editor of King Publishing Group and managed all the company's publications, including *The Energy Daily* and *Defense Week*. He has also written extensively for other publications, including *The Financial Times*, *Fortune* and *The American Spectator*.

He joined the U.S. Council for Energy Awareness (USCEA)—one of NEI's predecessor organizations—in 1987 as director of editorial programs.

DAVID K. OWENS
EXECUTIVE VICE PRESIDENT, BUSINESS OPERATIONS
EDISON ELECTRIC INSTITUTE

As Executive Vice President, Business Operations, of EEI, Mr. Owens has significant responsibility over a broad range of issues that affect the future structure of the electric industry and new rules in evolving competitive markets. He has responsibility over the strategic areas of energy supply and the environment, energy delivery, energy services and international affairs. He also spearheads efforts to enhance the public policy climate for investments in America's electric infrastructure with emphasis on the role of new technologies to address climate change and enhance energy efficiency through smart buildings, smart appliances, smart meters and smart electric grids.

Mr. Owens has frequently appeared before the U.S. Congressional Committees, testified in over 50 proceedings on energy issues before state bodies, lectured in universities across the nation, made hundreds of presentations in business forums, and has frequently appeared on TV and radio. He is recognized as one of the foremost authorities on electric utility issues and electric restructuring. He has been at EEI for over 20 years, starting his EEI career as Director, Rates and Regulation.

He is a graduate of Howard University with a Bachelor and Masters of Engineering degrees. He also has a Masters in Engineering Administration from George Washington University, and has attended executive courses at Howard University, the University of Pennsylvania, and Michigan State University.

Mr. Owens has distinction in Who's Who Among Black Americans, Who's Who In The Government, and has been honored as Outstanding Leader in the Utility Industry. He sits on the Boards of the National Academy of Sciences, the American Association of Blacks in Energy, the IDEA Charter School, and is an active member of a number of professional and community-based organizations.

JIM VON RIESEMANN
EXECUTIVE DIRECTOR
ENERGY GROUP, UBS

Jim von Riesemann is an Executive Director in the Energy group at UBS. He returned to the sell side and UBS in November 2009 covering the power sector. Prior to joining UBS, he was director of investor relations for FPL Group. Previously, he was an analyst at JPMorgan (2001-2004) and Morgan Stanley (1997-2001) covering the power sector. Jim was also an associate at Donaldson, Lufkin & Jenrette (1995-1997). In addition to his sell side experience, Jim was selected by then Secretary of Energy Spencer Abraham to serve on a Department of Energy's 2004-05 bipartisan task force that evaluated the future of nuclear power and the options to finance new nuclear plant construction. Jim holds an MBA from Emory University, an MA in Philosophy from St. John's College, and a BSBA from the University of Arizona.

JAMES A. SLUTZ
PRESIDENT AND MANAGEING DIRECTOR
GLOBAL ENERGY STRATEGIES LLC

Jim. Slutz is the President and Managing Director of Global Energy Strategies LLC, focusing on energy project development and technology commercialization. Jim serves as an advisor to Environmentally Friendly Drilling Systems, a University led consortium of industry and environmental groups with a mission to reduce the environmental foot print of unconventional gas drilling and production.

Prior to founding Global Energy Strategies, Mr. Slutz served as Assistant Secretary of Energy in the United States. He holds an MBA degree from The Ohio State University, Fisher College of Business, and a B.S. degree from The Ohio State University, School of Natural Resources.

Jim serves on the Advisory Boards of Hart Energy Publishing and the Canada Institute of the Woodrow Wilson International Centre for Scholars. Slutz is also a Distinguished Associate of FACTS Global Energy.

JAMES P. TORGERSON
PRESIDENT AND CEO
UNITED ILLUMINATING COMPANY

Mr. Torgerson is President and Chief Executive Officer (CEO) of UIL Holdings Corporation and CEO of The United Illuminating Company. He became president of UIL in January 2006 and became CEO of UI in April 2006.

Prior to joining UIL Holdings Corporation, Mr. Torgerson served as President and Chief Executive Officer of the Midwest ISO and a member of the Board of Directors. A veteran utility executive, Mr. Torgerson had been the guiding force behind the Midwest ISO's ongoing successful operations since 1999.

Prior to joining the Midwest ISO, Mr. Torgerson served as Chief Financial Officer for several gas and electric utilities in North America and is a proven leader in finance, organization design and executive management. Prior to Mr. Torgerson's move into the Utility Industry he served as Vice-President of Development for Diamond Shamrock Corporation where he also held a number of finance and strategic planning positions.

A native of Cleveland, Ohio, Mr. Torgerson received a Bachelor of Business Administration degree in Accounting from Cleveland State University.

CHARLES F. TRABANDT
VICE PRESIDENT
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Mr. Trabandt is a senior financial, regulatory, and strategic planning professional with experience in financial transactions and strategic advisory engagements. He has advised

major corporations and government clients in the global energy and power sector, including CEOs, Boards of Directors, and Cabinet officials. At CRA, Mr. Trabandt has led a series of major consulting engagements, including advising TVA on alternative financing of over $2 billion for the restart of Brown's Ferry Nuclear Unit 1, advising a group of Midwest IOU's and NationalGrid USA on the start-up and operations of GridAmerica LLC, advising a Midwest G&T on the acquisition of a $1 billion coal power plant portfolio, advising a large Transmission and Distribution company with regard to acquisitions and a multi-billion equity offering, and advising numerous clients with regard to FERC and State PUC tariff and regulatory matters.

Prior to CRA, he was a Managing Director of the Global Energy and Power Group, Investment Banking for Merrill Lynch & Co. in New York where he led or participated on investment banking teams which ran the first domestic power plant portfolio sale for NEES, and numerous other U.S., Canadian and European power plant sales for U.S. IOU's, Ontario Hydro, Ontario Power Generation, ENEL Spa, and others, as well as power plant purchases by IPPs and Gencos in the U.S., Canada, Europe, Asia Pacific and Latin America. From 1985 to 1993, Mr. Trabandt served as a FERC Commissioner where he was actively involved in all aspects of electric power, natural gas and oil pipeline regulation, hydroelectric licensing, and litigation activities. From 1975 to 1984, he served as Minority Staff Counsel to the House Committee on Science and Technology and then as Chief Counsel of the Senate Committee on Energy and Natural Resources. Mr. Trabandt is a graduate of the Navy Nuclear Power Training Program and is currently serving his second three-year term as Chairman of the Advisory Council to the Board of Directors of the Institute for Nuclear Power Operations. Mr. Trabandt holds a BS degree from the U.S. Naval Academy and a JD degree from the Georgetown University Law Center.

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SENIOR RESEARCH ANALYST
SANDFORD C. BERNSTEIN & CO INC.

Mr. Wynne is a Senior Research Analyst at Sanford C. Bernstein & Co., where he has covered the U.S. power industry since 2001. Prior to joining Bernstein, Mr. Wynne was Vice President of Finance for ABB Energy Ventures, an independent power producer and member of the ABB Group, where he was responsible for the non-recourse financing of power generation projects and other infrastructure investments. Previously, he was a Senior Vice President in Lehman Brothers' investment banking department, where he advised international utility companies on both debt and equity financing. Mr. Wynne graduated *magna cum laude* from Harvard College, where he was elected to Phi Beta Kappa, and earned his Master's degree in economics from Stanford University.

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Sent:	5/12/2011 9:01:53 PM
Subject:	RE: Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Final Agenda, Roster, and Biographies of Commissioners, Staff, and Panelists
Attachments:	NYC_May_2011__Final _Agenda.doc; NYC_Roster_May_2011_5-12-11.doc; Robert W Gee2.vcf

Attached please find corrected copies of the roster and final agenda.

Thanks,
Bob

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Subject: Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Final Agenda, Roster, and

Dear Commissioners, Staff, and Panelists for the upcoming Utility Commissioners/ Wall St. Dialogue,

Attached please find the final agenda, roster, and biographies of all participants for the Dialogue.

Thanks again for taking the time to participate, and I look forward to seeing you all next week.

Please contact me if you have any further questions.

Kind regards,
Bob Gee

Robert W. Gee
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Subject: Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Updated Agenda and Preparatory Reading Materials

*******WELCOME DINNER EVENING OF MONDAY MAY 16********

You are invited to a welcome dinner the evening of Monday, May 16, for early arrivals. This is informal, affording us an opportunity to socialize before convening the next day. if you have not already done so, please let us know if you plan on joining us so we can make the appropriate dinner reservations.

Dear Commissioners and Staff participating in the Utility Commissioners/Wall St. Dialogue,

Attached please find an updated preliminary agenda as well as the initial batch of preparatory reading materials.

Please let me know if you have any questions, and I look forward to seeing you all in a couple of weeks.

Kind regards,
Bob
Robert W. Gee
President

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Utility Commissioners/ Wall Street Dialogue
Waldorf=Astoria Hotel
Hilton Room
(Lobby Level near Park Avenue Entrance)
301 Park Avenue
New York, New York 10022
(212) 355-3000
May 17 - 18, 2011

AGENDA

Ground Rules for Dialogue
1. Discussion shall not involve any pending cases before commissioners.
2. Conversations are not intended to arrive at a consensus.
3. Remarks are not for attribution.

Monday, May 16, 2011

7:00 p.m. **Welcome Dinner**
Bobby Van's Park Avenue
230 Park Avenue
(Meet in Hotel Lobby at 6:45 p.m.)

Tuesday, May 17, 2011
Hilton Room

7:00 – 8:00 a.m. **Registration and Continental Breakfast**

8:00 a.m. – 5:00 p.m. **General Session**

8:00 a.m. – 8:15 a.m. **Welcome**

Robert Curry, Commissioner – New York Public Service Commission

Overview and Ground Rules
Robert W. Gee, President, Gee Strategies Group, LLC

8:15 a.m. – 10:00 a.m. **Chief Executive Officers' Perspectives on the Current Business Environment for Utilities under Challenging Conditions**

Introduction: Investor-owned electric utilities today confront a host of challenges ranging from evolving market models to anticipated environmental compliance costs, compounded by the need to increase capital expenditures for system maintenance and upgrades. How will these multiple challenges looming on the horizon be met? This panel will address these subjects, with an emphasis on how regulation can facilitate or impede the current operating environment.

Moderator: Robert Curry, Commissioner – New York Public Service Commission

Panelists: Alan Hodnik, President and CEO, Allete
Ralph Izzo, Chairman, President and CEO, Public Service Enterprise Group, Inc.
James Torgerson, President and CEO – UIL Holdings Corporation

Lead Respondent: Robert Clayton, Commissioner – Missouri Public Service Commission

10:00 -- a.m. – 10:30 a.m. **Break**

10:30 a.m. – 11:45 a.m. **Emerging Energy and Environmental Issues: Implications for Utilities and Their Customers**

David K. Owens, Executive Vice President – Edison Electric Institute

11:45 a.m. – 1:15 p.m. **Lunch**
Hilton Room

1:15 p.m. -- 2:45 p.m. **What "Wall Street" Does, Part I: The Credit Rating Agencies and Debt Analysts**

Introduction: Who are the principal players in the financial sector, and how do their roles influence the cost of and access to capital by electric utilities? What is the capital markets' outlook given the need for utilities to access capital to fund their capital expenditure plans? **This first panel will explore the role of credit rating agencies, and how their opinions influence the cost of and access to capital, augmented by the viewpoint of a debt analyst.**

Moderator/Lead Panelist: Timothy Simon, Commissioner – Califomia: Public Utilities Commission

Panelists: Barbara Chapman, Director, Credit Trading-Sector Specialist, BNP Paribas Securities Corp.
Karen Choi, Investment Analyst – Capital Research Company
Richard Cortright, Managing Director – Standard & Poor's Corporation

Lead Respondent: Betsy Wergin, Commissioner – Minnesota Public Utilities Commission

2:45 p.m. – 3:00 p.m. **Break**

3:00 p.m. – 4:30 p.m. **What "Wall Street" Does, Part II: The Investors and Equity Analysts**

Introduction: Continuing with our discussion of who are the principal players in the financial sector, and how their roles influence the cost of and access to capital by electric utilities, **our second panel will feature perspectives from the equity investment sector, including those of an investment banker, a private equity investor, and an equity analyst.**

Moderator: Arnetta McRae, Chairman, Delaware Public Service Commission

Panelists: James (Nick) McKee, Managing Director, North America Power & Utilities – Citi
James von Riesemann, Executive Director – UBS Securities LLC

Lead Respondent: Jed Nosal, Chief, Business & Labor Bureau -- Office of the Attorney General, Commonwealth of Massachusetts

4:30 p.m. – 5:00p.m. **Perspectives for the Day**

Moderator: Robert Curry, Commissioner – New York Public Service Commission

5:00 p.m. **Adjourn for the Day**

6:00 – 8:30 p.m. **Reception & Dinner with Securities Analysts Hosted by Gee Strategies Group, LLC**

WEDNESDAY, MAY 18, 2011
Hilton Room

7:00 a.m.--8:00 a.m. **Registration & Breakfast**

8:00 a. m.--12:00 p.m. **General Session**

8:00 a.m. -- 9:30 a.m. **"Running the Environmental Gauntlet": Air Emission Controls, and the Impact on Financial Markets**

Introduction: Whether or when climate change legislation will ever be adopted into law remains highly uncertain, but little doubt remains that electric utilities will be required to shoulder compliance costs for heightening emission limits for traditional pollutants by the Environmental Protection Agency. How are the financial markets reacting to this, and what opinions do the experts share regarding potential winners and losers under various scenarios?

Moderator: Jeanne Fox, Commissioner – New Jersey Board of Public Utilities

Panelists: Daniel Chartier, Director, Environmental Markets and Air Quality Programs – Edison Electric Institute
James Hempstead, Senior Vice President – Moody's Investors Service
Hugh Wynne, Senior Research Analyst - Sanford C. Bernstein & Co.

Lead Respondent: Ric Campbell, Commissioner – Utah Public Service Commission

9:30 a.m. -- 9:45 a.m. **Refreshment Break**

9:45 a.m. – 10:00 a.m. **Prelude to "Game Changing" Panel: Current Developments at Fukushima-Daiishi Nuclear Plant in Japan**
Richard Myers, Vice President, Policy Development – Nuclear Energy Institute

10:00 a.m.-11:30 a.m. **"Game Changing" Regulatory Issues on the Horizon: The Role of Shale Gas and Nuclear Power in the Utility's Generation Mix of the Future**

Introduction: The utility industry's generation mix has always involved complicated questions of markets, technology risk, and financial viability, among other factors. Recent developments affecting two traditional fuel sources for generation have opened significant questions regarding their future role in the country's energy future. Because of tightening air emission regulatory requirements, natural gas is poised to play an even greater role for power generation. The surge in production of shale gas also holds open the possibility of creating enormous potential for domestic supply, provided environmental issues can be adequately addressed. Nuclear currently constitutes 20 percent of the mix, and had been viewed as a potentially viable option because of its nonemitting character in meeting environmental goals. However, safety issues have been raised owing to the recent developments in Japan following the earthquake and tsunami. How will that event affect the near and long-term outlook for nuclear power development in the United States? What is the opinion of the financial sector?

Moderator: Robert Powelson, Chairman – Pennsylvania Public Utility Commission

Panelists: Richard Myers, Vice President, Policy Development – Nuclear Energy Institute
James A. Slutz, President & Managing Director, Global Energy Strategies, LLC
Charles Trabandt, Vice President – Charles River Associates
Peter Kind, Senior Managing Director – Macquarie Capital (USA), Inc.

Lead Respondent: Steven Lesser, Commissioner – Public Utilities Commission of Ohio

11:30 a.m. --12:00 p.m. **Final Thoughts on the Dialogue: The Commissioners Get the Last Word**

Moderator: Jeanne Fox, Commissioner – New Jersey Board of Public Utilities

12:00 p.m. **Adjournment (Box lunches will be available starting at 11:15 a.m. for departure)**

Gee Strategies Group, LLC

Utility Commissioners/Wall Street Dialogue
May 17-18, 2011, New York City

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Utility Commissioners/Wall Street Dialogue
May 17-18, 2011, New York City

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Utility Commissioners/Wall Street Dialogue
May 17-18, 2011, New York City

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CPUC05948

Utility Commissioners/Wall Street Dialogue
May 17-18, 2011, New York City

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Sent:	5/13/2011 9:43:59 PM
Subject:	RE: Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Roster
Attachments:	Robert W Gee.vcf

Apologies to my friends in New Jersey. What Darrell really meant was the New Jersey Board of **Public Utilities**.

Bob

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Subject: RE: Utility Commissioners/Wall Street Dialogue on May 17 - 18, 2011 in New York City -- Roster

Dear Commissioners, Staff and Panelists: After sending out the Roster on Wednesday, and having it printed as hardcopy, we have received some corrections. The New Jersey Board of Control now has staff and commissioners in two locations, some in Newark and some in Trenton, NJ. This Roster incorporates those corrections, and supersedes what you have already received, as well as the Roster in the booklet of program materials you will receive at the Dialogue.

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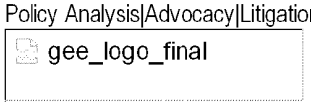

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From:	Ishwar Saini
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CC:	Ishwar Saini
Sent:	5/15/2011 10:42:22 AM
Subject:	FI Presentation to CPUC Commissioners - Draft
Attachments:	FIEG Presentation to CPUC Rev04.ppt

Matthew and Michael,

Attached is the draft of the presentations for our meeting on Tue, May 17 (10:30 – 12 noon).
As discussed, feel free to comment and review. The draft is written as a high level document. Most of the details will be presented as verbal or during ensuing discussions.
I am expected to receive few more comments from other members of Financial Institution Energy Group (FIEG) by tomorrow am. Not expecting anything major input as folks have already reviewed and commented in previous version.
I have kept my Monday morning free for any potential discussion/clarification with you. Please call me or email if you would like to talk regarding the presentation. I am open upto 1 pm Monday, May 16 (PST). My cell no is **281 475 9107.**

Practical questions:
We will bring our own projector as back up. All we need is a screen. If the meeting room has provision for overhead projection, that is fine as well. I also will be carrying this presentation on a thumb-drive in case we need to run it on a CPUC computer.

Thank you and look forward to seeing you.

Best regards,

Ishwar Saini
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FIEG Presentation to CPUC

Comm. Florio and Comm. Ferron

May 17, 2011

Disclaimer

- Information presented here is meant to be informational and not necessarily accurate for all FIEG members.

FIEG

- Financial Institution Energy Group (FIEG) is comprised of investment and commercial banks
- Its members and their affiliates play a number of roles in California's wholesale power, natural gas, and renewable markets
- Members act as marketers, lenders, underwriters of debt and equity securities, and proprietary investors
- FERC has authorized FIEG's power-marketer members to sell energy, capacity, and AS at market based rates

FIEG Expertise

- FIEG members bring financial, physical, and risk management expertise to energy and environmental markets
- Active participants in global & national energy, renewable, and emissions markets
- Manage risk for clients in a dynamically changing regulatory and market environment
- Offerings with integrated energy, emissions, and financial products to clients

California's energy/environmental landscape

- Inherently complex with multiple regulatory institutions
- Markets are sensitive to respective regulatory policies, e.g.
  - CPUC's TREC decision
  - ARB Cap & Trade and Reporting regulations
  - CEC and REC eligibility
  - Legislative: RPS SB SBx1_2
- Regulatory policies have direct impact on investments, market prices, costs, and risk perception
- California markets remain a work in progress

Regulatory developments and risk assessment

- FIEG members monitor and manage regulatory and market risks
- Perceived high risk adds premium to deal prices with implications on liquidity, volatility, and potential investments
- On the contrary, reduced regulatory risk increases market liquidity and improves investment environment
- California's renewable energy markets are nascent and changing rapidly
  - High regulatory risk impedes both instate and out of state project financing
  - Creates reluctance for long term deal structures required for financing new infrastructure
  - Introduces uncertainties in grid operation planning, and market outcomes

Managing policy and regulatory risks

- Structured deals
- Project financing
  - Debt and equity
- Project development
- Regulatory advocacy and advisory
- Market liquidity
  - Trading and flow sales
  - Odd-lot liquidity

Typical examples of structured transactions

- Firming and shaping
- REC deals
- Carbon hedging
- Prepays
- Credit sleeves
- Tolling agreements
- PPAs
- Exhaustive/Dynamic contracts

Potential impact of regulatory policies

- Long term
  - Investments, risk, and returns in energy and environmental infrastructure
  - Long term hedging for both producers and consumers
- Medium term
  - Operational planning and policies
  - Impact on three to five year market environment
    - On most liquid term
  - Drives political and legislative initiatives
- Short term
  - Prices in regulatory driven markets (GHG allowances)
  - Impact on future price curves
  - Hedging costs and premiums

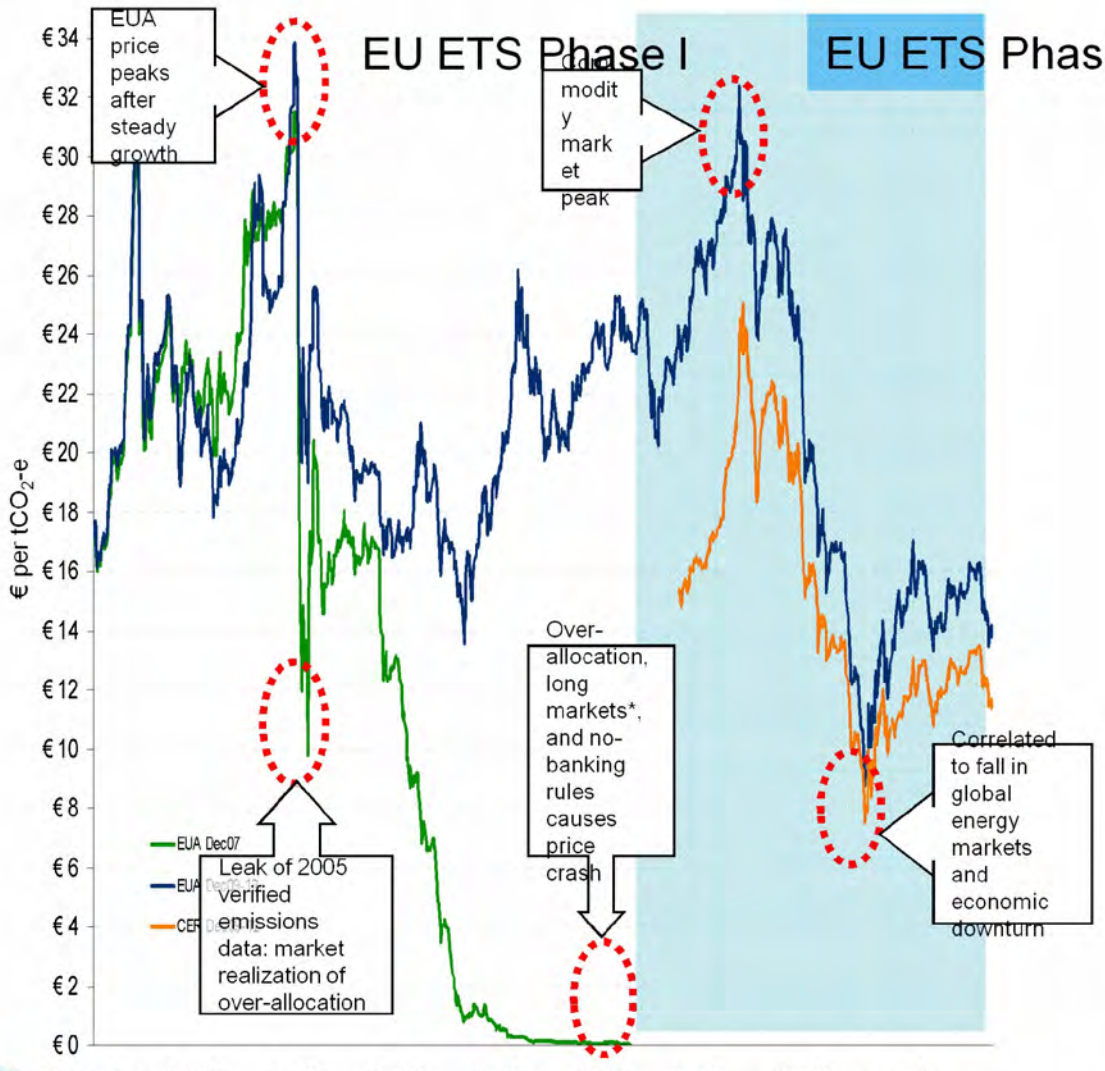
How regulatory policies impact markets?:
Forward Settled HR SP15 ONPEAK

Source: Intercontinental Exchange

Contd.. Impact of Allowance allocation on European Carbon ETS allowances

THE PRICE OF EUAs EXPERIENCED SIGNIFICANT VOLATILITY

Price evolution during the EU ETS has represented the market's view about the level of the carbon constraint, and the effort required to comply with it. It has interacted dynamically with fuel and weather markets, as well as expectations about economic growth.



Sources: ECX, Bloomberg

* Program created more allowances than there were actual emission

Recommendations

- Recommendations for nurturing renewables and environmental markets with manageable risk
  - Stable policies and rules
  - Non discriminatory regulations
  - Standardization of products and services
  - Market oriented regulatory environment
  - Integrated view of conventional power, renewables, and environmental markets
  - Effective end-user protection

FIEG members continue to add value

- FIEG members reduce risk, manage volatility, stabilize markets, and reduce costs for long terms benefits to ratepayers and consumers (e.g. providing quotes on large, small, or long-dated obligation hedges.)
- FIEG members bring national and international best industry practices to California's energy and environment industries
- In short, FIEG members manage risks in the renewable markets benefiting producers and consumers in the energy and environment value chain.

Latest date 3/18/2009

EUA

Date	Dec07	Dec08	Dec09	Dec10	Dec11	Dec12	EURAUD	EUR Avg	AUD Avg
22 Apr 05	16.95	17.00	17.05	17.10	17.15	17.20	1.67	17.08	28.50483
25 Apr 05	17.55	17.60	17.65	17.70	17.75	17.80	1.67	17.68	29.45995
26 Apr 05	17.20	17.25	17.30	17.35	17.40	17.45	1.67	17.33	28.88999
27 Apr 05	16.45	16.50	16.55	16.60	16.65	16.70	1.67	16.58	27.60976
28 Apr 05	16.00	16.10	16.10	16.15	16.20	16.25	1.65	16.13	26.69293
29 Apr 05	16.50	16.55	16.60	16.65	16.70	16.75	1.65	16.63	27.38149
03 May 05	16.25	16.30	16.35	16.40	16.45	16.50	1.66	16.38	27.25156
04 May 05	16.20	16.25	16.30	16.35	16.40	16.45	1.66	16.33	27.06684
05 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.66	16.73	27.74784
06 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.65	16.73	27.64018
09 May 05	17.00	17.05	17.10	17.15	17.20	17.25	1.66	17.13	28.48462
10 May 05	17.10	17.15	17.20	17.25	17.30	17.35	1.66	17.23	28.56019
11 May 05	16.90	16.95	17.00	17.05	17.10	17.15	1.65	17.03	28.14328
12 May 05	16.75	16.80	16.85	16.90	16.95	17.00	1.66	16.88	27.98616
13 May 05	16.80	17.00	17.05	17.10	17.15	17.20	1.66	17.05	28.28752
16 May 05	16.90	17.00	17.05	17.10	17.15	17.20	1.67	17.07	28.52631
17 May 05	17.20	17.40	17.45	17.50	17.55	17.60	1.67	17.45	29.09861
18 May 05	17.45	17.65	17.70	17.75	17.80	17.85	1.66	17.70	29.46153
19 May 05	18.00	18.10	18.15	18.20	18.25	18.30	1.67	18.17	30.28512
20 May 05	18.75	18.80	18.85	18.90	18.95	19.00	1.66	18.88	31.36366
23 May 05	18.50	18.75	18.80	18.90	19.00	19.10	1.66	18.84	31.20787
24 May 05	19.10	19.20	19.30	19.35	19.40	19.50	1.65	19.31	31.81261
25 May 05	19.95	20.00	20.05	20.10	20.15	20.20	1.65	20.08	33.18094
26 May 05	19.75	19.90	19.95	20.00	20.05	20.10	1.65	19.96	32.88223
27 May 05	19.65	19.85	19.90	19.95	20.00	20.05	1.65	19.90	32.78724
31 May 05	19.90	20.05	20.10	20.15	20.20	20.25	1.63	20.11	32.76718
01 Jun 05	19.60	19.70	19.75	19.80	19.85	19.90	1.63	19.77	32.23564
02 Jun 05	19.50	19.70	19.75	19.80	19.90	20.00	1.63	19.78	32.1553
03 Jun 05	19.10	19.35	19.45	19.50	19.60	19.65	1.62	19.44	31.41738
06 Jun 05	19.30	19.60	19.65	19.75	19.80	19.90	1.60	19.67	31.52403
07 Jun 05	19.60	19.90	20.00	20.10	20.20	20.30	1.60	20.02	31.98079
08 Jun 05	19.80	20.00	20.10	20.20	20.30	20.40	1.60	20.13	32.18545
09 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.67832
10 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.64802
13 Jun 05	19.85	20.15	20.25	20.30	20.40	20.45	1.59	20.23	32.18945
14 Jun 05	19.90	20.20	20.30	20.40	20.50	20.55	1.58	20.31	32.00852
15 Jun 05	20.10	20.20	20.30	20.40	20.50	20.60	1.57	20.35	32.01734
16 Jun 05	20.60	20.65	20.75	20.80	20.90	20.95	1.56	20.78	32.5092
17 Jun 05	21.50	21.60	21.70	21.80	21.90	22.00	1.58	21.75	34.34783
20 Jun 05	22.95	23.10	23.20	23.30	23.40	23.50	1.57	23.24	36.37411
21 Jun 05	23.00	23.20	23.30	23.45	23.55	23.70	1.56	23.37	36.44167
22 Jun 05	23.20	23.30	23.40	23.50	23.60	23.70	1.56	23.45	36.51245
23 Jun 05	23.40	23.50	23.65	23.75	23.90	24.00	1.56	23.70	36.92432
24 Jun 05	24.00	24.05	24.15	24.25	24.35	24.45	1.57	24.21	38.06438
27 Jun 05	23.95	24.05	24.15	24.25	24.35	24.45	1.58	24.20	38.24067
28 Jun 05	24.50	24.65	24.75	24.85	24.95	25.05	1.58	24.79	39.21032
29 Jun 05	25.45	25.60	25.75	25.85	25.00	26.15	1.58	25.80	40.86272
30 Jun 05	25.80	26.00	26.20	26.40	26.60	26.80	1.59	26.30	41.80991
01 Jul 05	26.90	27.10	27.25	27.40	27.55	27.70	1.59	27.32	43.49319
04 Jul 05	29.45	29.60	29.70	29.85	29.95	30.10	1.59	29.78	47.27397

CER

Date	Dec08	Dec09	Dec10	Dec11	Dec12	Mar09	EURAUD	EUR Avg	AUD Avg
3/14/2008	16.30	15.45	15.25	15.35	15.50		1.67	15.57	26.03379
3/17/2008	15.65	14.90	14.70	14.70	15.00		1.71	14.99	25.66958
3/18/2008	15.85	15.10	14.90	14.95	15.20		1.69	15.20	25.72161
3/19/2008	15.90	15.10	14.85	14.90	15.10		1.71	15.17	25.8667
3/20/2008	16.28	15.45	15.23	15.25	15.48		1.71	15.54	26.64257
3/25/2008	16.55	15.75	15.55	15.70	15.90		1.70	15.89	27.04941
3/26/2008	16.42	15.72	15.45	15.60	15.88		1.72	15.81	27.23427
3/27/2008	15.75	15.45	15.42	15.58	15.84		1.71	15.61	26.75535
3/28/2008	15.36	15.15	15.17	15.30	15.63		1.72	15.32	26.34654
3/31/2008	15.43	15.25	15.43	15.61	15.88		1.73	15.52	26.81391
4/1/2008	15.40	15.28	15.45	15.70	16.00		1.72	15.57	26.8197
4/2/2008	15.95	15.78	15.93	16.20	16.55		1.72	16.08	27.58416
4/3/2008	15.90	15.70	15.85	16.35	16.70		1.71	16.10	27.52225
4/4/2008	15.88	15.75	15.88	16.23	16.55		1.70	16.08	27.40592
4/7/2008	15.90	15.70	15.90	16.30	16.70		1.70	16.10	27.29241
4/8/2008	15.75	15.55	15.75	16.15	16.55		1.69	15.95	26.93378
4/9/2008	15.84	15.55	15.72	16.15	16.55		1.70	15.96	27.20175
4/10/2008	16.30	15.85	16.19	16.55	16.95		1.69	16.37	27.63277
4/11/2008	16.16	15.91	16.05	16.40	16.80		1.70	16.26	27.67633
4/14/2008	16.40	16.06	16.25	16.60	17.05		1.71	16.47	28.14984
4/15/2008	16.40	16.10	16.20	16.55	17.00		1.71	16.45	28.09772
4/16/2008	16.30	16.00	16.13	16.40	16.85		1.70	16.34	27.73363
4/17/2008	16.25	15.90	16.05	16.40	16.95		1.70	16.31	27.67039
4/18/2008	16.15	15.85	16.00	16.35	16.80		1.69	16.23	27.45695
4/21/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.63261
4/22/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.68231
4/23/2008	16.08	15.83	15.95	16.35	16.80		1.67	16.20	27.1062
4/24/2008	16.00	15.68	15.90	16.21	16.65		1.67	16.09	26.82612
4/25/2008	16.00	15.70	16.00	16.30	16.75		1.67	16.15	27.01032
4/28/2008	15.95	15.70	15.95	16.25	16.70		1.67	16.11	26.85596
4/29/2008	15.97	15.72	15.97	16.27	16.72		1.67	16.13	26.87543
4/30/2008	16.07	15.90	16.25	16.45	16.85		1.66	16.26	26.92603
5/1/2008	16.04	15.63	15.88	16.33	16.70		1.65	16.12	26.66979
5/2/2008	16.40	16.05	16.20	16.45	16.80		1.65	16.38	26.96659
5/6/2008	16.85	16.50	16.65	16.85	17.25		1.63	16.82	27.47647
5/7/2008	16.59	16.26	16.41	16.61	17.25		1.63	16.62	27.1738
5/8/2008	16.61	16.40	16.60	16.90	17.42		1.63	16.79	27.37368
5/9/2008	16.89	16.70	16.90	17.23	17.75		1.64	17.09	28.05398
5/12/2008	17.00	16.70	17.00	17.30	17.85		1.64	17.17	28.16368
5/13/2008	17.15	16.90	17.10	17.40	17.95		1.64	17.30	28.44445
5/14/2008	16.85	16.50	16.80	17.10	17.80		1.65	17.01	28.14505
5/15/2008	16.90	16.60	16.90	17.20	17.80		1.64	17.08	28.04444
5/16/2008	17.00	16.65	16.95	17.25	17.85		1.63	17.14	27.98424
5/19/2008	17.05	16.78	16.88	17.27	17.80		1.63	17.16	27.9045
5/20/2008	17.10	16.75	16.94	17.25	17.83		1.63	17.17	28.07314
5/21/2008	17.33	17.03	17.15	17.35	17.95		1.64	17.36	28.47143
5/22/2008	17.38	17.05	17.10	17.50	18.03		1.64	17.41	28.62782
5/23/2008	17.35	17.02	17.20	17.50	18.00		1.64	17.41	28.59356
5/26/2008	17.28	17.00	17.30	17.55	18.15		1.64	17.46	28.65123
5/27/2008	17.60	17.25	17.35	17.65	18.35		1.64	17.64	28.86966

05 Jul 05	28.85	29.00	29.10	29.25	29.35	29.50	1.61	29.18	46.83225
06 Jul 05	29.30	29.55	29.70	29.85	30.00	30.15	1.61	29.76	47.89828
07 Jul 05	29.40	29.65	29.80	29.95	30.10	30.25	1.61	29.86	48.16323
08 Jul 05	29.70	30.00	30.20	30.40	30.60	30.80	1.61	30.28	48.82836
11 Jul 05	29.90	30.15	30.35	30.55	30.75	30.95	1.61	30.44	49.13565
12 Jul 05	29.45	29.65	29.80	29.95	30.10	30.25	1.62	29.87	48.27566
13 Jul 05	27.95	28.15	28.25	28.35	28.45	28.55	1.61	28.28	45.59051
14 Jul 05	24.00	24.15	24.30	24.45	24.60	24.75	1.61	24.38	39.16499
15 Jul 05	24.30	24.50	24.65	24.85	25.00	25.20	1.61	24.75	39.74165
18 Jul 05	24.70	25.00	25.05	25.10	25.15	25.20	1.60	25.03	40.04043
19 Jul 05	24.55	24.70	24.80	24.90	25.00	25.05	1.60	24.83	39.7747
20 Jul 05	20.90	21.25	21.45	21.65	21.85	22.05	1.61	21.53	34.5981
21 Jul 05	20.35	20.60	20.85	21.10	21.30	21.55	1.59	20.96	33.31636
22 Jul 05	20.10	20.25	20.35	20.40	20.50	20.55	1.58	20.36	32.13624
25 Jul 05	20.15	20.40	20.55	20.75	20.90	21.10	1.58	20.64	32.64407
26 Jul 05	20.80	21.00	21.20	21.40	21.60	21.80	1.58	21.30	33.75073
27 Jul 05	22.05	22.25	22.40	22.50	22.65	22.75	1.60	22.43	35.81247
28 Jul 05	22.05	22.25	22.35	22.50	22.60	22.75	1.60	22.42	35.80124
29 Jul 05	22.35	22.55	22.70	22.90	23.05	23.25	1.60	22.80	36.49642
01 Aug 05	21.45	21.65	21.80	22.00	22.20	22.40	1.60	21.92	35.04349
02 Aug 05	20.70	20.95	21.05	21.10	21.20	21.25	1.59	21.04	33.52246
03 Aug 05	20.70	20.90	21.10	21.30	21.50	21.70	1.60	21.20	33.86237
04 Aug 05	20.50	20.70	20.90	21.10	21.30	21.50	1.60	21.00	33.64283
05 Aug 05	21.25	21.45	21.55	21.70	21.80	21.95	1.61	21.62	34.75114
08 Aug 05	21.75	21.95	22.05	22.20	22.30	22.45	1.62	22.12	35.74664
09 Aug 05	22.45	22.65	22.75	22.90	23.00	23.15	1.62	22.82	37.07299
10 Aug 05	22.45	22.60	22.80	22.95	23.15	23.30	1.62	22.88	36.95691
11 Aug 05	22.55	22.85	23.05	23.25	23.45	23.65	1.61	23.13	37.20048
12 Aug 05	22.80	23.00	23.10	23.20	23.30	23.40	1.61	23.13	37.21915
15 Aug 05	22.40	22.60	22.75	22.90	23.05	23.20	1.61	22.82	36.70811
16 Aug 05	22.45	22.65	22.80	22.95	23.10	23.25	1.61	22.87	36.72297
17 Aug 05	22.80	23.00	23.15	23.35	23.50	23.70	1.61	23.25	37.48636
18 Aug 05	22.75	22.95	23.05	23.25	23.45	23.65	1.62	23.18	37.48815
19 Aug 05	22.90	23.05	23.20	23.30	23.45	23.55	1.62	23.24	37.61642
22 Aug 05	23.05	23.25	23.40	23.55	23.70	23.85	1.62	23.47	38.01957
23 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	37.94946
24 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	38.05781
25 Aug 05	23.35	23.50	23.60	23.70	23.80	23.90	1.62	23.64	38.28517
30 Aug 05	23.65	23.85	24.05	24.20	24.40	24.55	1.63	24.12	39.39254
31 Aug 05	23.95	24.10	24.25	24.40	24.55	24.70	1.64	24.33	39.78545
01 Sep 05	24.40	24.60	24.75	24.90	25.05	25.20	1.64	24.82	40.66722
02 Sep 05	24.75	24.90	25.05	25.20	25.35	25.50	1.64	25.13	41.14481
05 Sep 05	24.75	24.95	25.10	25.25	25.40	25.55	1.63	25.17	41.09002
06 Sep 05	24.65	24.80	24.95	25.05	25.20	25.30	1.62	24.99	40.57035
07 Sep 05	24.70	24.90	25.00	25.15	25.30	25.45	1.62	25.08	40.65114
08 Sep 05	24.35	24.45	24.55	24.65	24.75	24.85	1.60	24.60	39.45955
09 Sep 05	23.75	23.90	24.00	24.15	24.25	24.40	1.60	24.08	38.57365
12 Sep 05	22.25	22.40	22.50	22.60	22.70	22.80	1.60	22.54	35.96014
13 Sep 05	21.75	21.85	21.95	22.05	22.15	22.25	1.60	22.00	35.11667
14 Sep 05	22.45	22.45	22.55	22.65	22.75	22.85	1.59	22.62	36.00218
15 Sep 05	22.70	22.65	22.80	22.90	23.00	23.10	1.59	22.86	36.44426
16 Sep 05	22.05	22.10	22.20	22.30	22.40	22.50	1.59	22.26	35.46713
19 Sep 05	22.60	22.70	22.80	22.90	23.00	23.10	1.58	22.85	36.19789
20 Sep 05	22.05	21.95	22.25	22.35	22.45	22.55	1.58	22.27	35.22094
21 Sep 05	22.00	20.50	20.65	20.75	20.85	21.00	1.58	20.96	33.20776
22 Sep 05	22.30	20.50	20.60	20.70	20.80	20.90	1.59	20.97	33.39308
23 Sep 05	22.05	19.00	19.15	19.30	19.45	19.60	1.59	19.76	31.41937
26 Sep 05	21.60	18.50	18.65	18.80	18.95	19.10	1.59	19.27	30.72641
27 Sep 05	22.05	19.05	19.15	19.25	19.35	19.45	1.59	19.72	31.32357
28 Sep 05	22.75	20.00	20.10	20.20	20.30	20.40	1.59	20.63	32.70742
29 Sep 05	22.90	20.00	20.10	20.20	20.30	20.40	1.58	20.65	32.68765
30 Sep 05	22.85	20.35	20.45	20.55	20.65	20.75	1.58	20.93	32.99531
03 Oct 05	22.75	20.70	20.70	20.80	20.90	21.00	1.56	21.14	32.98707
04 Oct 05	23.30	21.55	21.65	21.75	21.85	21.95	1.56	22.01	34.33943
05 Oct 05	23.80	22.00	22.05	22.10	22.15	22.20	1.58	22.38	35.3851

5/28/2008	17.65	17.20	17.30	17.60	18.20	1.63	17.59	28.58861
5/29/2008	17.83	17.38	17.41	17.75	18.25	1.62	17.72	28.72153
5/30/2008	17.85	17.45	17.50	17.85	18.40	1.63	17.81	28.96706
6/2/2008	17.93	17.45	17.51	17.87	18.41	1.63	17.83	29.0184
6/3/2008	19.04	18.55	18.60	19.00	19.50	1.62	18.94	30.76058
6/4/2008	19.15	18.60	18.50	18.80	19.15	1.61	18.84	30.38534
6/5/2008	19.45	18.85	18.73	18.90	19.40	1.63	19.07	31.0202
6/6/2008	20.38	19.57	19.35	19.30	19.80	1.64	19.68	32.23193
6/9/2008	20.33	19.50	19.30	19.40	19.73	1.65	19.65	32.34236
6/10/2008	20.15	19.55	19.40	19.55	19.80	1.63	19.69	32.16084
6/11/2008	20.20	19.69	19.60	19.75	20.10	1.64	19.87	32.63062
6/12/2008	20.10	19.50	19.50	19.63	19.95	1.65	19.74	32.56302
6/13/2008	20.15	19.65	19.60	19.75	20.05	1.64	19.84	32.4627
6/16/2008	20.20	19.70	19.65	19.80	20.10	1.65	19.89	32.72161
6/17/2008	20.29	19.84	19.75	19.90	20.20	1.64	20.00	32.85379
6/18/2008	20.43	20.06	19.90	19.91	20.26	1.64	20.11	33.0012
6/19/2008	20.43	20.19	20.05	20.10	20.45	1.63	20.24	32.98684
6/20/2008	20.21	20.23	20.06	20.16	20.40	1.64	20.21	33.09493
6/23/2008	20.35	20.42	20.50	20.62	20.98	1.63	20.57	33.56139
6/24/2008	20.41	20.68	20.85	21.10	21.55	1.63	20.92	34.10699
6/25/2008	20.10	20.40	20.60	20.85	21.35	1.63	20.66	33.76282
6/26/2008	20.32	20.71	20.97	21.28	21.78	1.65	21.01	34.61987
6/27/2008	20.57	21.04	21.34	21.81	22.43	1.64	21.44	35.23612
6/30/2008	20.90	21.47	21.80	22.35	23.00	1.64	21.90	35.99344
7/1/2008	21.91	22.64	23.09	23.73	24.67	1.66	23.21	38.4178
7/2/2008	22.34	23.37	24.05	24.91	25.85	1.65	24.10	39.76223
7/3/2008	21.30	22.25	22.92	23.89	24.93	1.63	23.06	37.6827
7/4/2008	21.90	22.83	23.50	24.45	25.48	1.63	23.63	38.49733
7/7/2008	22.94	23.88	24.51	25.42	26.34	1.64	24.62	40.45862
7/8/2008	21.54	22.23	22.82	23.70	24.65	1.64	22.99	37.71421
7/9/2008	21.80	22.49	23.05	23.85	24.99	1.65	23.24	38.27205
7/10/2008	22.05	22.65	23.16	24.03	25.01	1.64	23.38	38.3362
7/11/2008	22.54	23.29	23.70	24.59	25.50	1.65	23.92	39.43592
7/14/2008	22.45	23.10	23.55	24.30	25.30	1.64	23.74	38.84246
7/15/2008	21.95	22.64	22.94	23.70	24.60	1.62	23.17	37.63347
7/16/2008	21.25	21.90	22.24	22.80	23.63	1.62	22.36	36.30827
7/17/2008	21.85	22.50	22.85	23.35	24.21	1.63	22.95	37.48021
7/18/2008	21.11	21.76	22.04	22.54	23.39	1.63	22.17	36.18428
7/21/2008	21.10	21.78	22.06	22.54	23.38	1.63	22.17	36.14461
7/22/2008	20.80	21.47	21.74	22.24	22.99	1.62	21.85	35.49862
7/23/2008	20.03	20.67	20.94	21.41	22.18	1.63	21.05	34.31557
7/24/2008	20.27	20.93	21.16	21.61	22.40	1.63	21.27	34.75638
7/25/2008	20.12	20.84	21.14	21.52	22.26	1.64	21.18	34.75286
7/28/2008	19.52	20.24	20.51	20.97	21.56	1.65	20.56	33.82917
7/29/2008	18.95	19.56	19.81	20.21	20.85	1.64	19.88	32.52062
7/30/2008	18.25	18.87	19.05	19.30	19.80	1.65	19.05	31.4569
7/31/2008	17.72	18.31	18.48	18.83	19.30	1.66	18.53	30.67213
8/1/2008	17.44	18.03	18.10	18.44	18.90	1.67	18.16	30.38285
8/4/2008	18.14	18.64	18.70	18.88	19.08	1.68	18.69	31.32222
8/5/2008	18.60	19.16	19.19	19.53	19.84	1.69	19.26	32.5153
8/6/2008	18.59	19.25	19.49	20.04	20.74	1.70	19.62	33.2857
8/7/2008	19.20	19.94	20.20	20.77	21.59	1.69	20.34	34.38914
8/8/2008	19.27	20.02	20.34	20.89	21.64	1.69	20.43	34.50889
8/11/2008	19.45	20.22	20.54	21.09	21.90	1.69	20.64	34.83617
8/12/2008	19.96	20.76	21.10	21.68	22.44	1.71	21.19	36.13817
8/13/2008	19.85	20.68	21.13	21.69	22.50	1.70	21.17	36.0658
8/14/2008	19.71	20.54	21.00	21.60	22.39	1.70	21.05	35.79099
8/15/2008	19.67	20.48	20.93	21.51	22.31	1.69	20.98	35.53797
8/18/2008	20.14	20.96	21.37	21.95	22.77	1.69	21.44	36.31248
8/19/2008	20.11	20.91	21.32	21.90	22.71	1.70	21.39	36.27181
8/20/2008	20.32	21.13	21.54	22.11	22.93	1.69	21.61	36.47898
8/21/2008	20.45	21.25	21.68	22.24	23.07	1.69	21.74	36.78447
8/22/2008	20.34	21.13	21.55	22.10	22.94	1.70	21.61	36.83896
8/25/2008	20.40	21.20	21.60	22.15	23.00	1.71	21.67	37.02394
8/26/2008	20.56	21.36	21.76	22.29	23.13	1.71	21.82	37.34895

06 Oct 05	23.60	22.55	22.60	22.65	22.70	22.75	1.61	22.81	36.61587
07 Oct 05	23.05	21.90	22.00	22.05	22.10	22.20	1.60	22.22	35.59438
10 Oct 05	23.05	22.25	22.60	22.70	22.80	22.90	1.59	22.72	36.11506
11 Oct 05	23.15	22.40	22.45	22.60	22.75	22.90	1.59	22.71	36.18844
12 Oct 05	23.50	22.70	22.80	22.95	23.10	23.25	1.59	23.05	36.68919
13 Oct 05	23.45	22.85	23.05	23.20	23.35	23.50	1.60	23.23	37.20257
14 Oct 05	23.05	22.30	22.50	22.70	22.90	23.10	1.61	22.76	36.55253
17 Oct 05	23.10	22.70	22.80	22.90	23.00	23.10	1.60	22.93	36.79777
18 Oct 05	22.85	22.40	22.45	22.50	22.55	22.60	1.60	22.56	36.05531
19 Oct 05	22.40	22.00	22.15	22.30	22.45	22.60	1.60	22.32	35.64923
20 Oct 05	22.10	21.50	21.65	21.80	21.95	22.10	1.60	21.85	34.89308
21 Oct 05	21.80	21.30	21.45	21.60	21.75	21.90	1.60	21.63	34.53276
24 Oct 05	21.45	20.75	20.85	20.95	21.05	21.15	1.60	21.03	33.57403
25 Oct 05	21.40	20.90	21.00	21.10	21.20	21.30	1.60	21.15	33.80913
26 Oct 05	21.65	20.55	20.70	20.85	21.00	21.15	1.60	20.98	33.55394
27 Oct 05	21.85	21.00	21.10	21.20	21.30	21.40	1.60	21.31	34.14837
28 Oct 05	22.10	21.10	21.20	21.30	21.40	21.50	1.61	21.43	34.47765
31 Oct 05	21.90	21.25	21.35	21.45	21.55	21.65	1.60	21.53	34.5245
01 Nov 05	21.75	20.20	20.45	20.65	20.90	21.10	1.61	20.84	33.57086
02 Nov 05	21.35	20.15	20.35	20.50	20.70	20.90	1.62	20.66	33.56716
03 Nov 05	21.25	19.50	19.65	19.85	20.00	20.15	1.62	20.07	32.45766
04 Nov 05	21.35	19.75	19.95	20.15	20.35	20.55	1.61	20.35	32.78807
07 Nov 05	21.60	19.90	20.10	20.30	20.50	20.70	1.61	20.52	33.01905
08 Nov 05	22.05	20.35	20.50	20.65	21.00	21.20	1.60	20.96	33.5975
09 Nov 05	22.50	20.35	20.40	20.50	20.65	20.80	1.60	20.87	33.30659
10 Nov 05	22.70	20.40	20.55	20.70	20.85	21.00	1.60	21.03	33.71661
11 Nov 05	22.70	20.25	20.40	20.60	20.80	21.00	1.60	20.96	33.47469
14 Nov 05	23.15	20.90	21.40	21.55	21.70	21.85	1.61	21.76	34.95272
15 Nov 05	22.90	20.55	20.65	20.80	20.95	21.10	1.60	21.16	33.81428
16 Nov 05	22.75	20.25	20.35	20.45	20.55	20.65	1.60	20.83	33.29859
17 Nov 05	22.45	20.05	20.15	20.25	20.35	20.45	1.60	20.62	32.96032
18 Nov 05	21.65	20.00	20.10	20.20	20.30	20.40	1.61	20.44	32.80906
21 Nov 05	21.70	19.25	19.35	19.45	19.55	19.65	1.59	19.83	31.57829
22 Nov 05	22.20	20.00	20.05	20.10	20.15	20.20	1.60	20.45	32.70789
23 Nov 05	21.60	18.85	18.90	19.00	19.05	19.10	1.60	19.42	31.05057
24 Nov 05	19.90	17.60	17.70	17.80	17.90	18.00	1.59	18.15	28.92726
25 Nov 05	20.15	18.30	18.40	18.50	18.60	18.70	1.59	18.78	29.88571
28 Nov 05	20.50	18.50	18.40	18.50	18.60	18.70	1.59	18.87	30.05743
29 Nov 05	19.90	18.25	18.35	18.45	18.55	18.65	1.60	18.69	29.82195
30 Nov 05	20.15	18.05	18.20	18.30	18.40	18.50	1.59	18.60	29.65059
01 Dec 05	20.55	18.25	18.35	18.45	18.55	18.65	1.58	18.80	29.67465
02 Dec 05	21.80	18.50	18.40	18.30	18.20	18.10	1.56	18.88	29.53437
05 Dec 05	22.70	19.80	19.70	19.60	19.50	19.40	1.57	20.12	31.56466
06 Dec 05	23.40	20.10	20.00	19.90	19.80	19.70	1.56	20.48	32.04044
07 Dec 05	22.90	19.90	19.70	19.60	19.50	19.40	1.57	20.17	31.60875
08 Dec 05	22.05	19.25	19.05	18.90	18.80	18.70	1.57	19.46	30.63534
09 Dec 05	21.70	19.00	19.20	19.30	19.40	19.50	1.57	19.68	30.93755
12 Dec 05	22.35	19.25	19.35	19.45	19.55	19.65	1.58	19.93	31.55578
13 Dec 05	22.70	19.75	19.90	20.05	20.20	20.35	1.58	20.49	32.41133
14 Dec 05	22.45	19.40	19.55	19.70	19.85	20.00	1.59	20.16	31.98821
15 Dec 05	22.40	19.45	19.60	19.75	19.85	20.00	1.60	20.18	32.27619
16 Dec 05	22.10	19.25	19.35	19.45	19.55	19.65	1.61	19.89	32.11185
19 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.62	19.98	32.34954
20 Dec 05	21.95	19.10	19.25	19.40	19.55	19.70	1.62	19.83	32.09156
21 Dec 05	21.85	19.00	19.15	19.30	19.45	19.60	1.61	19.73	31.82807
22 Dec 05	21.65	19.10	19.20	19.30	19.40	19.50	1.62	19.69	31.98563
23 Dec 05	21.35	18.70	18.80	18.90	19.00	19.10	1.63	19.31	31.47509
27 Dec 05	21.65	19.00	19.10	19.20	19.30	19.40	1.64	19.61	32.0683
28 Dec 05	21.85	19.15	19.25	19.35	19.45	19.55	1.63	19.77	32.13662
29 Dec 05	22.05	19.55	19.65	19.75	19.85	19.95	1.62	20.13	32.53445
30 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.61	19.98	32.18077
03 Jan 06	22.75	19.70	19.80	19.90	20.00	20.10	1.62	20.38	33.01227
04 Jan 06	23.05	20.05	20.15	20.25	20.35	20.45	1.62	20.72	33.55703
05 Jan 06	23.45	20.00	20.15	20.25	20.35	20.45	1.62	20.78	33.58321
06 Jan 06	24.00	20.80	21.00	21.10	21.20	21.30	1.61	21.57	34.71891

8/27/2008	20.87	21.60	21.85	22.33	23.10	1.71	21.95	37.63858
8/28/2008	20.99	21.70	21.95	22.40	23.13	1.71	22.03	37.58769
8/29/2008	21.20	21.90	22.08	22.50	23.26	1.71	22.19	37.90735
9/1/2008	21.00	21.70	21.91	22.34	23.10	1.72	22.01	37.78821
9/2/2008	20.55	21.21	21.43	21.85	22.61	1.73	21.53	37.24461
9/3/2008	20.48	21.16	21.35	21.77	22.51	1.73	21.45	37.22242
9/4/2008	20.70	21.38	21.60	21.94	22.65	1.74	21.65	37.64496
9/5/2008	20.35	20.97	21.12	21.52	22.32	1.75	21.26	37.20771
9/8/2008	20.25	20.87	21.12	21.42	22.12	1.73	21.16	36.5919
9/9/2008	19.23	19.89	20.10	20.43	21.12	1.76	20.15	35.51827
9/10/2008	19.05	19.75	19.94	20.28	20.96	1.75	20.00	34.95637
9/11/2008	19.01	19.70	19.94	20.28	20.95	1.74	19.98	34.76856
9/12/2008	19.74	20.39	20.64	20.99	21.74	1.73	20.70	35.75917
9/15/2008	19.23	19.90	20.18	20.52	21.33	1.77	20.23	35.85037
9/16/2008	19.20	19.85	20.05	20.36	21.11	1.77	20.11	35.52706
9/17/2008	19.15	19.94	20.21	20.56	21.33	1.80	20.24	36.4968
9/18/2008	19.54	20.30	20.61	21.00	21.88	1.79	20.67	36.90189
9/19/2008	20.42	21.17	21.59	21.92	22.78	1.73	21.58	37.42122
9/22/2008	20.35	21.08	21.53	21.88	22.78	1.75	21.52	37.59583
9/23/2008	20.20	20.93	21.31	21.68	22.58	1.76	21.34	37.48103
9/24/2008	19.68	20.36	20.74	21.06	22.01	1.75	20.77	36.43006
9/25/2008	19.61	20.13	20.46	20.77	21.51	1.75	20.50	35.86158
9/26/2008	19.50	19.75	20.04	20.35	20.94	1.76	20.12	35.38989
9/29/2008	18.41	18.52	18.85	19.17	19.72	1.80	18.93	34.07878
9/30/2008	18.45	18.63	18.90	19.21	19.78	1.78	18.99	33.82531
10/1/2008	18.95	19.15	19.47	19.78	20.36	1.78	19.54	34.72508
10/2/2008	19.20	19.45	19.74	20.10	20.82	1.79	19.86	35.45683
10/3/2008	18.98	19.14	19.45	19.79	20.46	1.78	19.56	34.79268
10/6/2008	18.41	18.52	18.72	19.02	19.68	1.92	18.87	36.15196
10/7/2008	18.79	18.89	19.07	19.36	19.95	1.91	19.21	36.63085
10/8/2008	18.78	18.84	18.97	19.26	19.89	2.02	19.15	38.75183
10/9/2008	19.60	19.67	19.76	20.02	20.68	1.96	19.95	39.0901
10/10/2008	19.11	19.10	19.26	19.52	20.10	2.09	19.42	40.60768
10/13/2008	19.71	19.60	19.73	20.02	20.37	1.99	19.89	39.50529
10/14/2008	20.20	20.06	20.07	20.32	20.72	1.95	20.27	39.60647
10/15/2008	19.83	19.70	19.69	19.94	20.40	2.01	19.91	39.94942
10/16/2008	18.83	18.93	19.03	19.29	19.93	1.96	19.20	37.64268
10/17/2008	18.77	18.78	18.90	19.21	19.77	1.94	19.09	36.95791
10/20/2008	18.55	18.45	18.60	18.90	19.33	1.90	18.77	35.62931
10/21/2008	17.90	17.75	17.95	18.05	18.60	1.92	18.05	34.59361
10/22/2008	16.65	16.46	16.45	16.65	17.21	1.91	16.68	31.91144
10/23/2008	16.96	16.78	16.78	16.95	17.55	1.96	17.00	33.3956
10/24/2008	16.02	15.83	15.85	16.00	16.59	2.03	16.06	32.60011
10/27/2008	15.08	14.87	14.86	15.06	15.69	2.06	15.11	31.18603
10/28/2008	15.20	15.02	15.02	15.16	15.78	1.98	15.24	30.15717
10/29/2008	15.69	15.54	15.54	15.71	16.29	1.93	15.75	30.35377
10/30/2008	15.19	15.23	15.39	15.62	16.32	1.90	15.55	29.58788
10/31/2008	15.05	15.13	15.37	15.49	16.19	1.91	15.45	29.44554
11/3/2008	15.12	15.19	15.36	15.65	16.39	1.86	15.54	28.97664
11/4/2008	15.45	15.55	15.93	16.43	17.10	1.87	16.09	30.02809
11/5/2008	15.10	15.17	15.51	15.89	16.56	1.88	15.65	29.364
11/6/2008	15.13	15.14	15.43	15.79	16.43	1.91	15.58	29.73124
11/7/2008	15.62	15.63	15.92	16.30	16.90	1.89	16.07	30.3393
11/10/2008	15.70	15.70	15.99	16.36	17.00	1.90	16.15	30.72271
11/11/2008	15.36	15.38	15.64	16.01	16.64	1.91	15.81	30.15315
11/12/2008	15.65	15.49	15.78	16.15	16.73	1.96	15.96	31.24578
11/13/2008	15.87	15.60	15.82	16.13	16.64	1.95	16.01	31.23358
11/14/2008	15.50	15.26	15.51	15.74	16.31	1.93	15.66	30.25246
11/17/2008	15.30	15.03	15.12	15.36	15.52	1.94	15.27	29.56255
11/18/2008	14.95	14.71	14.71	14.91	15.21	1.94	14.90	28.92287
11/19/2008	14.81	14.64	14.64	14.79	15.04	1.94	14.78	28.70136
11/20/2008	13.35	13.15	13.15	13.34	13.56	2.02	13.31	26.95053
11/21/2008	13.87	13.72	13.77	13.94	14.17	2.02	13.89	28.04447
11/24/2008	14.30	14.19	14.29	14.58	14.89	1.99	14.45	28.74614
11/25/2008	14.02	13.91	14.05	14.28	14.56	2.01	14.16	28.44147

09 Jan 06	23.70	20.10	20.20	20.30	20.40	20.50	1.60	20.87	33.44547
10 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.61	21.08	33.94555
11 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.60	21.08	33.78345
12 Jan 06	24.00	20.40	20.55	20.70	20.80	20.95	1.60	21.23	34.00398
13 Jan 06	24.00	20.80	20.70	20.85	20.95	21.10	1.61	21.40	34.40937
16 Jan 06	24.05	20.85	21.00	21.10	21.20	21.30	1.61	21.58	34.65398
17 Jan 06	25.25	21.55	21.70	21.85	22.00	22.15	1.61	22.42	36.02128
18 Jan 06	26.45	22.30	22.55	22.65	22.75	22.85	1.62	23.26	37.6071
19 Jan 06	26.65	22.40	22.55	22.70	22.85	23.00	1.62	23.36	37.75106
20 Jan 06	27.90	22.80	22.90	23.00	23.10	23.20	1.62	23.82	38.63698
23 Jan 06	26.90	22.60	22.75	22.90	23.05	23.20	1.63	23.57	38.46897
24 Jan 06	26.35	21.85	22.05	22.20	22.35	22.50	1.63	22.88	37.41181
25 Jan 06	26.70	22.25	22.45	22.60	22.75	22.90	1.63	23.28	37.84966
26 Jan 06	27.45	22.70	22.85	23.00	23.15	23.30	1.62	23.74	38.49748
27 Jan 06	26.90	22.80	22.95	23.10	23.25	23.40	1.61	23.73	38.25389
30 Jan 06	27.50	24.05	24.20	24.40	24.60	24.80	1.61	24.93	40.20559
31 Jan 06	27.55	24.65	25.00	25.15	25.35	25.50	1.61	25.53	41.08016
01 Feb 06	28.05	25.50	25.90	26.25	26.70	27.10	1.60	26.58	42.57681
02 Feb 06	28.55	25.95	26.45	26.90	27.25	27.55	1.60	27.11	43.46511
03 Feb 06	28.85	26.80	27.00	27.20	27.40	27.60	1.60	27.48	44.0457
06 Feb 06	28.70	28.15	28.50	28.90	29.30	29.70	1.61	28.88	46.5195
07 Feb 06	27.65	27.50	27.80	28.05	28.30	28.55	1.61	27.98	45.17256
08 Feb 06	27.15	27.00	27.25	27.55	27.75	27.95	1.61	27.44	44.29182
09 Feb 06	27.45	27.30	27.95	28.15	28.35	28.55	1.62	27.96	45.23857
10 Feb 06	27.30	27.45	27.90	28.30	28.55	28.80	1.62	28.05	45.30473
13 Feb 06	27.20	27.10	27.60	27.80	28.00	28.20	1.61	27.65	44.51164
14 Feb 06	27.35	27.40	27.60	27.80	28.00	28.20	1.61	27.73	44.63193
15 Feb 06	27.60	27.55	27.65	27.80	27.95	28.10	1.61	27.78	44.70835
16 Feb 06	27.95	27.85	28.45	29.00	29.70	30.30	1.61	28.88	46.45744
17 Feb 06	27.70	27.75	28.40	28.90	29.40	29.90	1.61	28.68	46.29899
20 Feb 06	28.10	27.55	28.05	28.55	29.05	29.55	1.61	28.48	45.8541
21 Feb 06	28.30	27.15	27.70	28.20	29.00	29.60	1.61	28.33	45.67823
22 Feb 06	28.20	26.65	27.30	27.85	28.60	29.20	1.62	27.97	45.22865
23 Feb 06	27.65	24.40	25.00	25.60	25.70	25.00	1.61	25.56	41.24082
24 Feb 06	27.65	24.50	25.10	25.70	26.30	26.90	1.61	26.03	41.77746
27 Feb 06	27.20	24.20	24.75	25.35	26.30	26.90	1.61	25.78	41.42353
28 Feb 06	27.40	24.30	24.85	25.45	26.05	26.65	1.60	25.78	41.37455
01 Mar 06	27.85	24.10	24.65	25.20	25.75	26.30	1.60	25.64	41.03069
02 Mar 06	28.15	24.00	24.50	25.00	25.50	26.00	1.61	25.53	41.01498
03 Mar 06	28.05	24.20	24.70	25.20	25.70	26.20	1.62	25.68	41.47192
06 Mar 06	28.05	24.10	24.70	25.25	25.75	26.25	1.62	25.68	41.6705
07 Mar 06	27.60	23.55	24.00	24.50	25.00	25.50	1.62	25.03	40.51006
08 Mar 06	27.75	23.95	24.45	24.95	25.45	25.95	1.63	25.42	41.32151
09 Mar 06	27.70	23.70	24.20	24.70	25.20	25.70	1.62	25.20	40.89379
10 Mar 06	27.90	23.75	24.20	24.70	25.20	25.70	1.63	25.24	41.08227
13 Mar 06	28.45	24.15	24.80	25.15	25.55	25.95	1.63	25.68	41.81631
14 Mar 06	28.25	24.05	24.60	25.10	25.60	26.10	1.63	25.62	41.77793
15 Mar 06	28.05	24.15	24.70	25.20	25.70	26.20	1.63	25.67	41.89444
16 Mar 06	27.70	23.90	24.50	25.00	25.50	26.00	1.65	25.43	42.01271
17 Mar 06	27.95	24.00	24.60	25.00	25.50	26.00	1.67	25.51	42.67832
20 Mar 06	28.15	24.05	24.70	25.10	25.60	26.10	1.69	25.62	43.19924
21 Mar 06	28.10	24.05	24.65	25.25	25.80	26.40	1.69	25.71	43.31929
22 Mar 06	28.15	24.25	24.90	25.50	26.35	26.95	1.68	26.02	43.69683
23 Mar 06	28.20	24.20	24.85	25.45	26.30	26.90	1.67	25.98	43.50993
24 Mar 06	27.95	24.10	24.90	25.60	26.30	27.00	1.70	25.98	44.09624
27 Mar 06	27.80	24.15	24.80	25.40	25.90	26.40	1.70	25.74	43.83071
28 Mar 06	27.95	24.25	24.90	25.55	26.20	26.85	1.70	25.95	44.19253
29 Mar 06	28.20	25.50	26.15	26.80	27.45	28.10	1.70	27.03	45.96684
30 Mar 06	28.35	26.75	27.45	28.10	28.80	29.45	1.70	28.15	47.83023
31 Mar 06	28.40	26.80	27.55	28.10	28.60	29.10	1.69	28.09	47.57884
03 Apr 06	28.35	27.00	27.50	28.10	28.70	29.30	1.70	28.16	47.78494
04 Apr 06	28.85	27.00	27.70	28.40	29.10	29.80	1.70	28.48	48.43404
05 Apr 06	29.80	27.35	27.95	28.60	29.30	29.95	1.69	28.83	48.69367
06 Apr 06	30.35	27.75	28.35	28.95	29.50	30.10	1.67	29.17	48.7768
07 Apr 06	29.85	27.90	28.50	29.10	29.70	30.30	1.67	29.23	48.68947

11/26/2008	13.91	13.83	13.98	14.15	14.50	1.98	14.07	27.87666
11/27/2008	14.23	14.17	14.33	14.56	14.88	1.95	14.43	28.18368
11/28/2008	13.91	13.84	14.00	14.21	14.52	1.94	14.10	27.33538
12/1/2008	14.20	14.20	14.32	14.54	14.85	1.95	14.42	28.17951
12/2/2008	14.10	14.08	14.20	14.41	14.70	1.99	14.30	28.40645
12/3/2008	14.05	14.00	14.12	14.33	14.62	1.97	14.22	28.02061
12/4/2008	13.69	13.72	13.79	13.94	14.15	1.98	13.86	27.48632
12/5/2008	12.82	12.85	12.90	13.04	13.24	1.99	12.97	25.78635
12/8/2008	13.17	13.24	13.28	13.40	13.59	1.95	13.34	26.04779
12/9/2008	12.98	13.00	13.05	13.16	13.34	1.96	13.11	25.74274
12/10/2008	13.03	13.05	13.11	13.22	13.40	1.98	13.16	26.06246
12/11/2008	13.21	13.27	13.32	13.41	13.59	1.97	13.36	26.37058
12/12/2008	13.28	13.42	13.42	13.53	13.74	2.03	13.48	27.34092
12/15/2008	13.52	13.59	13.66	13.76	13.94	2.05	13.69	28.12438
12/16/2008		13.64	13.65	13.82	14.00	2.04	13.78	28.08552
12/17/2008		13.75	13.80	13.87	14.03	2.04	13.86	28.33737
12/18/2008		13.41	13.40	13.51	13.67	2.04	13.50	27.59635
12/19/2008		13.33	13.36	13.47	13.62	2.03	13.45	27.31493
12/22/2008		13.35	13.39	13.50	13.63	2.03	13.47	27.31278
12/23/2008		13.27	13.31	13.44	13.56	2.05	13.40	27.46137
12/24/2008		13.17	13.20	13.31	13.46	2.05	13.29	27.24465
12/29/2008		13.24	13.28	13.37	13.54	2.04	13.36	27.20089
12/30/2008		13.49	13.52	13.61	13.79	2.04	13.60	27.7831
12/31/2008		13.69	13.71	13.77	13.93	1.97	13.78	27.19853
1/2/2009		13.32	13.33	13.42	13.59	1.96	13.42	26.29443
1/5/2009		13.31	13.37	13.48	13.67	1.90	13.46	25.51877
1/6/2009		13.50	13.55	13.66	13.84	1.87	13.64	25.45224
1/7/2009		13.38	13.41	13.52	13.72	1.91	13.51	25.83554
1/8/2009		12.79	12.80	12.90	13.09	1.93	12.90	24.92895
1/9/2009		12.45	12.46	12.56	12.75	1.91	12.56	23.94998
1/12/2009		12.28	12.33	12.43	12.58	1.95	12.41	24.20214
1/13/2009		12.15	12.22	12.31	12.47	1.99	12.29	24.49901
1/14/2009		11.78	11.80	11.89	12.02	1.99	11.87	23.67891
1/15/2009		11.80	11.79	11.91	12.04	1.98	11.89	23.55541
1/16/2009		11.00	11.02	11.12	11.24	1.98	11.10	22.0153
1/19/2009		10.00	10.01	10.12	10.25	1.95	10.10	19.72658
1/20/2009		9.96	9.97	10.05	10.17	1.98	10.04	19.85598
1/21/2009		10.03	10.06	10.16	10.27	1.97	10.13	19.95108
1/22/2009		10.15	10.16	10.25	10.31	1.97	10.22	20.16323
1/23/2009		10.05	10.06	10.12	10.21	1.98	10.11	19.98258
1/26/2009		10.49	10.51	10.57	10.66	1.99	10.56	21.02093
1/27/2009		10.32	10.33	10.40	10.50	1.99	10.39	20.67665
1/28/2009		10.23	10.24	10.30	10.41	1.97	10.30	20.29406
1/29/2009		10.35	10.39	10.45	10.56	1.98	10.44	20.68559
1/30/2009		10.45	10.46	10.52	10.63	2.01	10.52	21.15209
2/2/2009		10.06	10.11	10.19	10.29	2.03	10.16	20.65389
2/3/2009		9.71	9.76	9.86	9.99	2.00	9.83	19.62384
2/4/2009		9.56	9.62	9.74	9.85	1.99	9.69	19.27417
2/5/2009		9.45	9.50	9.60	9.72	1.96	9.57	18.77218
2/6/2009		9.26	9.32	9.42	9.54	1.92	9.39	17.98804
2/9/2009		9.20	9.27	9.37	9.52	1.92	9.34	17.88707
2/10/2009		8.57	8.63	8.72	8.87	1.97	8.70	17.14974
2/11/2009		7.66	7.73	7.83	8.00	1.97	7.81	15.37947
2/12/2009		7.39	7.47	7.58	7.74	1.98	7.55	14.90384
2/13/2009		7.89	7.97	8.09	8.30	1.96	8.06	15.7673
2/16/2009		7.72	7.79	7.92	8.20	1.97	7.91	15.54997
2/17/2009		7.94	8.02	8.17	8.43	1.97	8.14	16.07298
2/18/2009		8.82	8.87	8.97	9.25	1.97	8.98	17.66495
2/19/2009		9.82	9.87	10.00	10.20	1.96	9.97	19.55915
2/20/2009		8.84	8.90	9.02	9.23	1.98	9.00	17.84921
2/23/2009		8.51	8.61	8.75	8.99	1.98	8.72	17.21885
2/24/2009		8.18	8.26	8.43	8.70	1.98	8.39	16.58321
2/25/2009		8.65	8.74	8.90	9.16	1.97	8.86	17.4752
2/26/2009		9.39	9.48	9.64	9.92	1.956589	9.6075	18.79793
2/27/2009		8.81	8.91	9.05	9.32	1.971545	9.0225	17.78827

10 Apr 06	30.00	28.35	28.65	29.25	29.75	30.35	1.66	29.39	48.78921
11 Apr 06	30.45	29.15	29.90	30.50	31.15	31.75	1.66	30.48	50.46738
12 Apr 06	30.35	29.80	30.45	31.05	31.70	32.30	1.65	30.94	51.10312
13 Apr 06	30.15	30.00	30.65	31.30	31.95	32.50	1.66	31.11	51.73968
18 Apr 06	30.30	30.15	30.80	31.45	32.10	32.75	1.66	31.26	51.87758
19 Apr 06	31.50	32.20	32.80	33.45	34.15	34.85	1.66	33.16	54.93529
20 Apr 06	31.50	32.25	32.90	33.55	34.20	34.85	1.67	33.21	55.43442
21 Apr 06	30.95	30.95	31.45	32.10	32.75	33.40	1.66	31.93	52.89724
24 Apr 06	30.75	31.00	31.70	32.40	33.10	33.80	1.67	32.13	53.49947
25 Apr 06	30.95	30.95	31.60	32.20	32.90	33.50	1.67	32.02	53.38565
26 Apr 06	28.30	29.55	30.20	30.85	31.50	32.15	1.65	30.43	50.30848
27 Apr 06	20.75	22.15	22.80	23.45	24.10	24.75	1.66	23.00	38.09062
28 Apr 06	17.30	21.45	22.15	22.80	23.45	24.10	1.66	21.88	36.3557
01 May 06	14.25	18.80	19.30	19.80	20.30	20.80	1.66	18.88	31.2855
02 May 06	13.95	18.50	19.00	19.50	20.00	20.50	1.66	18.58	30.75081
03 May 06	11.95	18.25	18.90	19.45	19.95	20.50	1.64	18.17	29.77485
04 May 06	12.85	20.00	20.55	21.05	21.55	22.05	1.65	19.68	32.37752
05 May 06	14.85	22.15	22.70	23.25	23.80	24.35	1.65	21.85	36.02406
08 May 06	13.20	20.25	20.80	21.25	21.70	22.20	1.65	19.90	32.90031
09 May 06	12.65	19.90	20.50	21.10	21.75	22.35	1.65	19.71	32.47491
10 May 06	12.75	18.65	19.05	19.70	20.30	20.90	1.65	18.56	30.61358
11 May 06	13.65	19.20	19.80	20.45	21.10	21.70	1.65	19.32	31.91975
12 May 06	13.40	19.25	19.85	20.50	21.15	21.85	1.67	19.33	32.29075
15 May 06	9.80	17.80	18.30	18.75	19.25	19.75	1.68	17.28	29.04409
16 May 06	15.75	21.45	22.20	22.70	23.20	23.70	1.67	21.50	35.99244
17 May 06	17.35	21.60	22.30	22.90	23.50	24.10	1.68	21.96	36.86625
18 May 06	16.25	21.90	22.60	23.30	24.00	24.70	1.68	22.13	37.13773
19 May 06	16.25	21.90	22.50	23.15	23.75	24.35	1.69	21.98	37.06717
22 May 06	16.95	21.90	22.55	23.25	23.90	24.55	1.71	22.18	37.90156
23 May 06	18.95	23.80	24.45	25.15	25.80	26.55	1.70	24.12	40.98196
24 May 06	20.45	24.20	24.65	25.25	25.85	26.45	1.70	24.48	41.50861
25 May 06	19.75	23.60	24.20	24.80	25.45	26.05	1.68	23.98	40.30701
26 May 06	19.85	24.00	24.65	25.30	25.95	26.60	1.68	24.39	40.93566
30 May 06	19.55	24.00	24.60	25.25	25.85	26.45	1.69	24.28	40.98305
31 May 06	18.50	23.20	23.95	24.55	25.20	25.85	1.70	23.54	40.08329
01 Jun 06	17.40	22.25	22.90	23.55	24.20	24.85	1.71	22.53	38.54489
02 Jun 06	17.00	21.30	21.95	22.60	23.25	23.90	1.72	21.67	37.22849
05 Jun 06	17.05	21.25	21.85	22.45	23.05	23.65	1.72	21.55	37.15893
06 Jun 06	16.65	20.90	21.55	22.15	22.75	23.35	1.73	21.23	36.77945
07 Jun 06	16.30	20.90	21.45	22.00	22.55	23.10	1.73	21.05	36.37297
08 Jun 06	15.60	20.05	20.70	21.30	21.90	22.50	1.71	20.34	34.71512
09 Jun 06	14.60	19.50	20.10	20.70	21.30	21.90	1.69	19.68	33.23258
12 Jun 06	14.60	19.00	19.70	20.40	21.10	21.80	1.69	19.43	32.79079
13 Jun 06	15.60	20.10	20.80	21.50	22.20	22.90	1.70	20.52	34.88036
14 Jun 06	15.50	19.85	20.60	21.30	22.00	22.70	1.71	20.33	34.76313
15 Jun 06	15.50	19.40	19.80	20.50	21.20	21.90	1.70	19.72	33.51796
16 Jun 06	15.50	19.50	20.05	20.70	21.35	22.00	1.71	19.85	33.9418
19 Jun 06	15.65	19.35	19.95	20.55	21.15	21.75	1.71	19.73	33.68528
20 Jun 06	15.90	20.00	20.70	21.50	22.20	22.90	1.71	20.53	35.01275
21 Jun 06	16.60	20.60	21.20	21.90	22.60	23.30	1.71	21.03	36.02128
22 Jun 06	16.05	19.90	20.65	21.35	22.10	22.90	1.71	20.49	35.1025
23 Jun 06	16.15	20.10	20.80	21.50	22.20	22.90	1.71	20.61	35.22994
26 Jun 06	16.05	19.80	20.55	21.30	22.10	22.90	1.72	20.45	35.15096
27 Jun 06	15.60	19.45	20.10	20.70	21.30	21.95	1.72	19.85	34.07498
28 Jun 06	15.75	19.70	20.35	21.00	21.65	22.30	1.72	20.13	34.6329
29 Jun 06	16.20	19.85	20.45	21.10	21.75	22.40	1.71	20.29	34.75763
30 Jun 06	16.55	19.65	20.30	20.95	21.60	22.25	1.72	20.22	34.79038
03 Jul 06	16.55	19.45	20.10	20.75	21.40	22.05	1.72	20.05	34.57068
04 Jul 06	16.85	19.45	20.15	20.80	21.45	22.10	1.72	20.13	34.58227
05 Jul 06	16.85	19.00	19.60	20.20	20.80	21.40	1.72	19.64	33.68554
06 Jul 06	16.65	18.75	19.45	20.05	20.70	21.35	1.71	19.49	33.3805
07 Jul 06	17.05	19.25	19.90	20.50	21.15	21.75	1.70	19.93	33.95063
10 Jul 06	16.80	19.25	19.95	20.60	21.30	21.95	1.71	19.98	34.07094
11 Jul 06	16.95	19.65	20.25	20.85	21.45	22.05	1.70	20.20	34.25637
12 Jul 06	17.10	19.90	20.55	21.20	21.85	22.50	1.69	20.52	34.64963

3/2/2009	9.17	9.27	9.41	9.68	9.1	1.987994	9.326	18.54003
3/3/2009	9.9	10	10.1	10.4	9.87	1.9616	10.054	19.72193
3/4/2009	10.51	10.59	10.75	11.05	10.71	1.945813	10.722	20.86301
3/5/2009	10.29	10.38	10.55	10.84	10.46	1.965088	10.504	20.64129
3/6/2009	9.94	10.04	10.22	10.51	10.11	1.979452	10.164	20.11915
3/9/2009	10.57	10.67	10.86	11.16	10.7	1.993619	10.792	21.51513
3/10/2009	10.97	11.09	11.28	11.58	11.08	1.970043	11.2	22.06448
3/11/2009	10.63	10.75	10.94	11.24	10.73	1.973819	10.858	21.43173
3/12/2009	10.82	10.94	11.13	11.43	10.92	1.972285	11.048	21.7898
3/13/2009	11.16	11.32	11.52	11.83	11.24	1.962486	11.414	22.39981
3/16/2009	11.42	11.61	11.81	12.11	11.44	1.962607	11.678	22.91933
3/17/2009	11.72	11.9	12.1	12.4	11.72	1.96704	11.968	23.54153
3/18/2009	11.23	11.41	11.63	11.94	11.2	1.979552	11.482	22.72921

13 Jul 06	17.05	19.85	20.55	21.20	21.90	22.55	1.68	20.52	34.51396
14 Jul 06	17.15	20.05	20.70	21.30	21.90	22.50	1.68	20.60	34.58676
17 Jul 06	17.50	20.00	20.55	21.20	21.85	22.50	1.67	20.60	34.49728
18 Jul 06	18.05	20.25	20.85	21.45	22.05	22.65	1.68	20.88	34.99595
19 Jul 06	17.70	20.10	20.70	21.30	21.90	22.50	1.68	20.70	34.76592
20 Jul 06	17.20	19.90	20.45	21.10	21.75	22.40	1.68	20.47	34.4031
21 Jul 06	17.55	19.85	20.50	21.10	21.75	22.35	1.69	20.52	34.61732
24 Jul 06	17.40	19.75	20.40	21.00	21.60	22.20	1.67	20.39	34.1028
25 Jul 06	17.30	19.50	20.10	20.70	21.30	21.90	1.67	20.13	33.63002
26 Jul 06	17.00	19.15	19.90	20.40	21.00	21.60	1.67	19.84	33.08945
27 Jul 06	17.15	18.95	19.55	20.15	20.75	21.35	1.67	19.65	32.72284
28 Jul 06	17.35	18.85	19.45	20.05	20.65	21.25	1.66	19.60	32.5693
31 Jul 06	16.90	18.25	18.85	19.45	20.05	20.65	1.67	19.03	31.69252
01 Aug 06	16.85	18.65	19.25	19.85	20.45	21.05	1.67	19.35	32.40864
02 Aug 06	17.05	18.70	19.30	19.90	20.50	21.10	1.67	19.43	32.5156
03 Aug 06	17.15	18.50	19.05	19.65	20.25	20.80	1.68	19.23	32.3478
04 Aug 06	16.60	17.75	18.30	18.80	19.35	19.85	1.68	18.44	31.01098
07 Aug 06	15.90	17.00	17.55	18.15	18.70	19.30	1.68	17.77	29.87737
08 Aug 06	16.45	17.70	18.25	18.85	19.40	20.00	1.69	18.44	31.10927
09 Aug 06	16.55	17.85	18.45	19.05	19.65	20.25	1.68	18.63	31.27257
10 Aug 06	16.50	17.95	18.55	19.10	19.70	20.25	1.67	18.68	31.14331
11 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.66	18.55	30.81162
14 Aug 06	16.50	17.75	18.30	18.85	19.40	19.95	1.68	18.46	30.92382
15 Aug 06	16.25	17.65	18.20	18.75	19.30	19.85	1.67	18.33	30.63376
16 Aug 06	16.25	17.55	18.15	18.75	19.35	19.95	1.67	18.33	30.64298
17 Aug 06	16.40	17.70	18.35	18.95	19.60	20.20	1.69	18.53	31.23175
18 Aug 06	16.45	17.65	18.20	18.75	19.30	19.85	1.69	18.37	31.04436
21 Aug 06	16.55	17.75	18.40	19.05	19.70	20.35	1.69	18.63	31.46311
22 Aug 06	17.35	18.10	18.70	19.35	19.95	20.55	1.68	19.00	31.91716
23 Aug 06	17.60	18.15	18.80	19.40	20.00	20.60	1.68	19.09	32.01667
24 Aug 06	17.40	17.40	18.90	19.50	20.10	20.70	1.68	19.00	31.84233
25 Aug 06	16.90	17.80	18.50	19.10	19.70	20.30	1.69	18.72	31.55453
28 Aug 06	17.00	18.05	18.65	19.25	19.85	20.45	1.68	18.88	31.78045
29 Aug 06	16.90	17.95	18.55	19.15	19.75	20.35	1.68	18.78	31.52045
30 Aug 06	16.60	17.80	18.45	19.10	19.70	20.35	1.68	18.67	31.35384
31 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.68	18.55	31.13614
01 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.17209
04 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.0979
05 Sep 06	16.90	18.15	18.75	19.35	19.95	20.55	1.66	18.94	31.44657
06 Sep 06	17.10	18.20	18.80	19.40	20.00	20.60	1.67	19.02	31.78743
07 Sep 06	17.15	18.25	18.80	19.35	19.90	20.45	1.68	18.98	31.85529
08 Sep 06	17.05	18.20	18.70	19.25	19.80	20.35	1.68	18.89	31.72574
11 Sep 06	16.95	18.20	18.75	19.30	19.85	20.45	1.69	18.92	32.00566
12 Sep 06	16.80	17.90	18.50	19.05	19.65	20.20	1.69	18.68	31.58888
13 Sep 06	16.90	18.00	18.60	19.15	19.75	20.30	1.69	18.78	31.65998
14 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.69	18.68	31.47244
15 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.68	18.68	31.42123
18 Sep 06	16.75	17.85	18.40	18.95	19.45	20.00	1.68	18.57	31.21917
19 Sep 06	16.75	17.85	18.45	19.05	19.65	20.30	1.68	18.68	31.45145
20 Sep 06	16.25	17.50	18.05	18.65	19.25	19.80	1.68	18.25	30.74952
21 Sep 06	14.70	16.50	17.10	17.70	18.30	18.90	1.69	17.20	29.04786
22 Sep 06	14.00	16.10	16.70	17.30	17.85	18.45	1.70	16.73	28.50572
25 Sep 06	13.85	16.15	16.70	17.25	17.85	18.40	1.69	16.70	28.26652
26 Sep 06	13.25	16.00	16.55	17.10	17.65	18.20	1.69	16.46	27.80008
27 Sep 06	12.35	15.20	15.75	16.30	16.85	17.40	1.69	15.64	26.45925
28 Sep 06	12.45	15.45	16.00	16.55	17.10	17.65	1.70	15.87	26.91497
29 Sep 06	12.90	15.70	16.25	16.80	17.35	17.90	1.70	16.15	27.46697
02 Oct 06	13.30	16.15	16.70	17.25	17.80	18.35	1.70	16.59	28.24273
03 Oct 06	12.50	15.40	15.95	16.50	17.00	17.55	1.71	15.82	27.10182
04 Oct 06	12.30	15.60	16.10	16.65	17.15	17.70	1.70	15.92	27.11794
05 Oct 06	12.30	15.90	16.45	17.00	17.55	18.10	1.70	16.22	27.56764
06 Oct 06	12.45	16.40	16.95	17.50	18.05	18.60	1.70	16.66	28.24003
09 Oct 06	12.40	16.35	16.90	17.45	18.00	18.55	1.69	16.61	28.1128
10 Oct 06	12.65	16.40	16.95	17.50	18.05	18.60	1.68	16.69	28.09764
11 Oct 06	12.75	16.00	16.55	17.10	17.65	18.20	1.69	16.38	27.60469

12 Oct 06	12.75	15.80	16.35	16.90	17.45	18.00	1.67	16.21	27.08625
13 Oct 06	12.65	15.10	15.65	16.20	16.75	17.30	1.67	15.61	25.99701
16 Oct 06	12.75	15.10	15.65	16.20	16.75	17.55	1.66	15.67	26.02425
17 Oct 06	12.80	15.05	15.65	16.25	16.85	17.45	1.66	15.68	26.06867
18 Oct 06	13.00	15.85	15.85	16.40	17.00	17.55	1.66	15.94	26.46989
19 Oct 06	13.15	15.95	15.95	16.50	17.05	17.60	1.66	16.03	26.64138
20 Oct 06	13.05	15.65	16.15	16.65	17.25	17.85	1.66	16.10	26.76345
23 Oct 06	13.05	16.00	16.55	17.10	17.65	18.20	1.66	16.43	27.22751
24 Oct 06	12.75	16.30	16.85	17.40	17.95	18.50	1.66	16.63	27.5428
25 Oct 06	12.80	16.30	16.90	17.45	17.95	18.50	1.66	16.65	27.57503
26 Oct 06	12.35	16.25	16.25	16.75	17.25	17.75	1.66	16.10	26.72362
27 Oct 06	12.40	15.90	16.45	16.95	17.45	17.95	1.66	16.18	26.81082
30 Oct 06	12.15	15.75	16.35	16.85	17.40	17.90	1.65	16.07	26.55414
31 Oct 06	11.05	15.20	15.80	16.40	16.95	17.55	1.65	15.49	25.53236
01 Nov 06	11.25	15.45	16.00	16.55	17.10	17.65	1.65	15.67	25.78231
02 Nov 06	11.25	15.75	16.30	16.85	17.40	17.95	1.65	15.92	26.24293
03 Nov 06	10.95	15.65	16.25	16.80	17.35	17.90	1.65	15.82	26.11289
06 Nov 06	10.80	15.85	16.40	16.95	17.50	18.05	1.65	15.93	26.2615
07 Nov 06	10.55	16.00	16.55	17.10	17.65	18.20	1.65	16.01	26.42903
08 Nov 06	9.65	15.65	16.20	16.75	17.30	17.85	1.66	15.57	25.78851
09 Nov 06	9.70	15.80	16.35	16.85	17.40	17.90	1.67	15.67	26.13898
10 Nov 06	9.70	16.10	16.65	17.20	17.70	18.25	1.67	15.93	26.67852
13 Nov 06	8.95	15.75	16.25	16.80	17.30	17.85	1.68	15.48	25.99499
14 Nov 06	8.70	15.85	16.35	16.90	17.40	17.95	1.68	15.53	26.01054
15 Nov 06	9.40	15.80	16.00	16.55	17.10	17.65	1.68	15.42	25.82704
16 Nov 06	9.25	16.00	16.50	17.00	17.55	18.05	1.67	15.73	26.21302
17 Nov 06	8.90	16.00	16.55	17.10	17.65	18.20	1.67	15.73	26.23008
20 Nov 06	8.75	16.20	16.75	17.25	17.80	18.30	1.66	15.84	26.33001
21 Nov 06	9.00	17.10	17.65	18.20	18.75	19.30	1.66	16.67	27.73616
22 Nov 06	9.10	17.45	18.00	18.55	19.10	19.65	1.67	16.98	28.29265
23 Nov 06	8.90	17.30	17.85	18.40	18.95	19.50	1.67	16.82	28.0919
24 Nov 06	9.00	17.40	17.95	18.50	19.05	19.60	1.68	16.92	28.43875
27 Nov 06	9.20	18.40	18.95	19.50	20.05	20.60	1.69	17.78	29.99068
28 Nov 06	9.20	19.00	19.55	20.05	20.60	21.10	1.68	18.25	30.68431
29 Nov 06	8.90	17.85	18.40	18.95	19.50	20.05	1.68	17.28	28.99142
30 Nov 06	8.40	18.45	19.00	19.55	20.10	20.65	1.68	17.69	29.71115
01 Dec 06	8.20	18.25	18.80	19.35	19.90	20.45	1.69	17.49	29.50533
04 Dec 06	7.65	19.65	20.20	20.75	21.30	21.85	1.69	18.57	31.32966
05 Dec 06	7.25	19.30	19.85	20.35	20.90	21.45	1.69	18.18	30.80268
06 Dec 06	6.85	18.75	19.30	19.85	20.40	20.95	1.69	17.68	29.8835
07 Dec 06	7.10	18.75	19.35	19.90	20.45	21.00	1.68	17.76	29.87239
08 Dec 06	7.55	18.25	18.80	19.35	19.90	20.45	1.68	17.38	29.22228
11 Dec 06	7.30	18.70	19.25	19.80	20.35	20.90	1.69	17.72	29.88817
12 Dec 06	7.10	18.25	18.75	19.30	19.85	20.40	1.69	17.28	29.16791
13 Dec 06	6.85	17.45	18.00	18.60	19.15	19.70	1.68	16.63	27.94211
14 Dec 06	6.60	17.00	17.60	18.15	18.65	19.20	1.68	16.20	27.20997
15 Dec 06	6.60	17.00	17.55	18.15	18.65	19.20	1.67	16.19	27.08416
18 Dec 06	6.60	17.10	17.65	18.25	18.80	19.35	1.68	16.29	27.32771
19 Dec 06	6.70	17.30	17.80	18.35	18.90	19.45	1.68	16.42	27.62967
20 Dec 06	6.65	17.10	17.65	18.20	18.75	19.30	1.68	16.28	27.27581
21 Dec 06	6.60	17.10	17.60	18.15	18.70	19.25	1.68	16.23	27.255
22 Dec 06	6.80	17.40	17.95	18.45	19.00	19.55	1.68	16.53	27.69612
26 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25468
27 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25637
28 Dec 06	6.70	18.25	18.75	19.30	19.85	20.40	1.67	17.21	28.69645
29 Dec 06	6.70	18.20	18.70	19.25	19.80	20.35	1.67	17.17	28.7106
02 Jan 07	5.60	17.50	18.05	18.65	19.20	19.80	1.67	16.47	27.47525
03 Jan 07	4.85	16.55	17.10	17.55	18.10	18.60	1.66	15.46	25.70415
04 Jan 07	4.85	16.55	17.10	17.70	18.25	18.85	1.67	15.55	25.90932
05 Jan 07	4.80	15.80	16.40	16.95	17.50	18.05	1.67	14.92	24.90459
08 Jan 07	3.95	14.50	15.05	15.60	16.15	16.70	1.67	13.66	22.79225
09 Jan 07	3.50	14.70	15.30	15.85	16.40	16.95	1.67	13.78	22.95828
10 Jan 07	3.85	14.85	15.50	16.05	16.60	17.15	1.66	14.00	23.29748
11 Jan 07	4.00	15.25	15.80	16.35	16.90	17.45	1.65	14.29	23.57868
12 Jan 07	4.05	15.55	16.15	16.75	17.35	17.95	1.65	14.63	24.11584

15 Jan 07	4.05	16.15	16.75	17.30	17.90	18.45	1.65	15.10	24.90246
16 Jan 07	4.25	16.40	16.95	17.50	18.05	18.60	1.65	15.29	25.23357
17 Jan 07	4.10	15.65	16.20	16.75	17.30	17.85	1.65	14.64	24.09465
18 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.22983
19 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.2197
22 Jan 07	3.90	15.65	16.20	16.75	17.30	17.85	1.64	14.61	23.99319
23 Jan 07	3.80	15.65	16.20	16.75	17.30	17.85	1.64	14.59	23.97928
24 Jan 07	3.45	15.25	15.80	16.35	16.90	17.45	1.66	14.20	23.55028
25 Jan 07	3.30	15.35	15.90	16.45	17.05	17.60	1.67	14.28	23.84923
26 Jan 07	3.05	15.55	16.10	16.65	17.25	17.85	1.67	14.41	24.05445
29 Jan 07	2.50	15.50	16.05	16.65	17.25	17.80	1.68	14.29	23.99447
30 Jan 07	2.45	15.35	15.90	16.50	17.05	17.65	1.68	14.15	23.73552
31 Jan 07	2.35	15.30	15.85	16.45	17.00	17.55	1.68	14.08	23.64266
01 Feb 07	2.25	15.35	15.95	16.50	17.05	17.65	1.68	14.13	23.75307
02 Feb 07	2.00	14.75	15.30	15.85	16.40	16.95	1.67	13.54	22.65233
05 Feb 07	1.80	14.95	15.50	16.05	16.60	17.15	1.66	13.68	22.76397
06 Feb 07	1.50	14.85	15.40	15.95	16.50	17.05	1.67	13.54	22.61091
07 Feb 07	1.35	14.45	15.00	15.55	16.10	16.65	1.67	13.18	22.04637
08 Feb 07	1.50	13.80	14.35	14.90	15.45	16.00	1.67	12.67	21.12249
09 Feb 07	1.65	14.10	14.65	15.20	15.75	16.30	1.67	12.94	21.65748
12 Feb 07	1.30	14.20	14.75	15.30	15.85	16.40	1.68	12.97	21.75431
13 Feb 07	1.25	13.70	14.25	14.80	15.35	15.90	1.67	12.54	20.98943
14 Feb 07	1.20	13.60	14.15	14.70	15.25	15.80	1.67	12.45	20.84839
15 Feb 07	1.15	13.65	14.20	14.75	15.30	15.85	1.67	12.48	20.90178
16 Feb 07	1.15	13.70	14.25	14.80	15.35	15.90	1.67	12.53	20.90707
19 Feb 07	0.80	12.75	13.30	13.85	14.40	14.95	1.67	11.68	19.51137
20 Feb 07	0.90	12.25	12.80	13.30	13.80	14.35	1.67	11.23	18.78479
21 Feb 07	0.95	12.90	13.45	14.00	14.55	15.10	1.66	11.83	19.63965
22 Feb 07	0.90	13.05	13.60	14.15	14.70	15.25	1.66	11.94	19.86368
23 Feb 07	0.95	14.05	15.05	15.60	16.15	16.70	1.66	13.08	21.75623
26 Feb 07	1.00	15.30	15.85	16.40	16.95	17.50	1.66	13.83	22.98063
27 Feb 07	1.00	15.00	15.60	16.15	16.70	17.30	1.67	13.63	22.77724
28 Feb 07	0.95	14.90	15.45	16.00	16.55	17.10	1.68	13.49	22.63226
01 Mar 07	1.00	15.25	15.75	16.30	16.80	17.35	1.68	13.74	23.06199
02 Mar 07	1.10	14.85	15.40	15.95	16.50	17.05	1.69	13.48	22.71238
05 Mar 07	1.00	13.65	14.20	14.75	15.30	15.85	1.70	12.46	21.16049
06 Mar 07	1.05	13.75	14.30	14.80	15.30	15.85	1.69	12.51	21.18086
07 Mar 07	1.15	14.25	14.80	15.35	15.90	16.45	1.69	12.98	21.95731
08 Mar 07	1.15	14.75	15.30	15.80	16.40	16.95	1.69	13.39	22.60398
09 Mar 07	1.35	14.80	15.35	15.85	16.40	16.95	1.68	13.45	22.60002
12 Mar 07	1.35	15.10	15.65	16.20	16.75	17.30	1.68	13.73	23.04817
13 Mar 07	1.25	15.00	15.60	16.20	16.80	17.40	1.68	13.71	23.07543
14 Mar 07	1.25	15.00	15.60	16.15	16.75	17.35	1.68	13.68	23.05327
15 Mar 07	1.25	15.50	16.05	16.60	17.25	17.80	1.68	14.08	23.58853
16 Mar 07	1.20	15.45	16.00	16.55	17.10	17.65	1.67	13.99	23.38837
19 Mar 07	1.05	15.60	16.15	16.70	17.25	17.80	1.66	14.09	23.45152
20 Mar 07	1.05	16.50	17.05	17.60	18.15	18.70	1.66	14.84	24.59009
21 Mar 07	1.05	16.45	17.00	17.55	18.10	18.65	1.66	14.80	24.5198
22 Mar 07	1.00	16.45	17.00	17.50	18.05	18.60	1.65	14.77	24.40108
23 Mar 07	1.00	16.35	16.90	17.40	17.95	18.50	1.65	14.68	24.21753
26 Mar 07	1.00	17.25	17.80	18.35	18.90	19.45	1.65	15.46	25.43926
27 Mar 07	1.04	16.95	17.50	18.05	18.60	19.15	1.65	15.22	25.1223
28 Mar 07	1.20	17.34	17.86	18.39	18.91	19.44	1.65	15.52	25.66836
29 Mar 07	1.36	17.49	18.02	18.56	19.09	19.62	1.65	15.69	25.9364
30 Mar 07	1.31	17.48	18.03	18.58	19.13	19.68	1.65	15.70	25.91346
02 Apr 07	1.03	16.83	17.37	17.92	18.45	18.98	1.64	15.10	24.70646
03 Apr 07	0.90	15.89	16.45	17.00	17.55	18.00	1.64	14.30	23.45002
04 Apr 07	0.85	16.13	16.67	17.22	17.77	18.31	1.63	14.49	23.6464
05 Apr 07	0.83	16.58	17.13	17.68	18.23	18.78	1.64	14.87	24.35228
09 Apr 07	0.83	16.04	16.59	17.14	17.69	18.24	1.63	14.42	23.57839
10 Apr 07	0.83	16.65	17.20	17.70	18.30	18.85	1.63	14.92	24.25554
11 Apr 07	0.80	17.03	17.58	18.13	18.68	19.23	1.63	15.24	24.8194
12 Apr 07	0.80	17.45	17.98	18.53	19.08	19.63	1.63	15.58	25.33526
13 Apr 07	0.76	17.83	18.35	18.88	19.40	19.93	1.62	15.86	25.75274
16 Apr 07	0.72	17.82	18.37	18.92	19.47	20.02	1.63	15.89	25.83326

17 Apr 07	0.68	17.80	18.34	18.88	19.42	19.96	1.62	15.85	25.69997
18 Apr 07	0.56	17.50	18.03	18.58	19.13	19.68	1.62	15.58	25.28852
19 Apr 07	0.51	17.14	17.69	18.24	18.79	19.34	1.63	15.29	24.90997
20 Apr 07	0.63	17.45	17.95	18.50	19.03	19.55	1.62	15.52	25.18602
23 Apr 07	0.68	18.00	18.54	19.07	19.61	20.14	1.63	16.01	26.09704
24 Apr 07	0.68	18.04	18.56	19.08	19.60	20.12	1.65	16.01	26.41472
25 Apr 07	0.64	18.22	18.74	19.26	19.78	20.30	1.64	16.16	26.42358
26 Apr 07	0.54	18.08	18.60	19.13	19.65	20.18	1.65	16.03	26.38519
27 Apr 07	0.53	18.15	18.69	19.22	19.76	20.29	1.64	16.11	26.46763
30 Apr 07	0.53	19.01	19.54	20.07	20.60	21.13	1.64	16.81	27.62148
01 May 07	0.58	19.35	19.87	20.40	20.93	21.46	1.64	17.10	28.09598
02 May 07	0.56	18.98	19.43	19.90	20.46	20.96	1.65	16.72	27.53119
03 May 07	0.54	19.10	19.40	19.85	20.30	20.75	1.64	16.66	27.38741
04 May 07	0.54	19.31	19.60	20.05	20.50	20.95	1.65	16.83	27.839
07 May 07	0.53	19.78	20.10	20.50	20.90	21.30	1.65	17.19	28.32292
08 May 07	0.47	19.84	20.00	20.43	20.88	21.33	1.63	17.16	28.04816
09 May 07	0.40	19.62	19.95	20.42	20.90	21.37	1.63	17.11	27.9444
10 May 07	0.30	19.35	19.68	20.12	20.55	20.98	1.63	16.83	27.40397
11 May 07	0.32	19.90	20.23	20.60	20.95	21.30	1.63	17.22	28.00337
14 May 07	0.33	20.39	20.74	21.17	21.59	22.02	1.63	17.71	28.81306
15 May 07	0.29	20.60	20.93	21.43	21.93	22.43	1.63	17.94	29.2458
16 May 07	0.33	20.84	21.17	21.67	22.17	22.67	1.64	18.14	29.76581
17 May 07	0.30	21.43	21.77	22.18	22.70	23.15	1.64	18.59	30.44759
18 May 07	0.28	21.75	22.10	22.60	23.11	23.61	1.64	18.91	30.99948
21 May 07	0.30	22.01	22.34	22.80	23.25	23.70	1.64	19.07	31.24529
22 May 07	0.29	21.75	22.13	22.50	22.95	23.40	1.64	18.84	30.92028
23 May 07	0.29	22.12	22.43	22.87	23.30	23.73	1.63	19.12	31.24107
24 May 07	0.29	23.25	23.57	24.07	24.57	25.07	1.64	20.14	33.03074
25 May 07	0.29	24.08	24.38	24.85	25.33	25.80	1.64	20.79	34.15802
28 May 07	0.30	24.15	24.45	24.92	25.40	25.87	1.64	20.85	34.22042
29 May 07	0.27	25.15	25.45	26.02	26.43	26.90	1.64	21.70	35.65849
30 May 07	0.27	22.97	23.30	23.80	24.30	24.80	1.63	19.91	32.49604
31 May 07	0.29	23.00	23.38	23.85	24.35	23.80	1.62	19.78	32.12908
01 Jun 07	0.29	23.88	24.22	24.67	25.12	25.57	1.62	20.63	33.30987
04 Jun 07	0.29	24.61	24.92	25.37	25.80	26.10	1.62	21.18	34.24427
05 Jun 07	0.28	23.36	23.55	23.90	24.40	24.90	1.61	20.07	32.38773
06 Jun 07	0.29	23.35	23.63	24.03	24.45	24.80	1.61	20.09	32.28532
07 Jun 07	0.27	22.77	23.04	23.45	23.80	24.10	1.60	19.57	31.23245
08 Jun 07	0.27	23.03	23.32	23.73	24.15	24.57	1.58	19.85	31.42624
11 Jun 07	0.25	22.78	23.08	23.45	23.75	24.05	1.58	19.56	30.94313
12 Jun 07	0.24	22.70	23.00	23.40	23.85	24.30	1.58	19.58	30.96525
13 Jun 07	0.22	23.65	23.95	24.40	24.85	25.30	1.58	20.40	32.31789
14 Jun 07	0.19	23.65	23.95	24.40	24.85	25.30	1.59	20.39	32.4554
15 Jun 07	0.17	22.78	23.13	23.53	23.95	24.40	1.59	19.66	31.23534
18 Jun 07	0.14	21.90	22.10	22.48	22.85	23.23	1.59	18.78	29.86042
19 Jun 07	0.14	21.19	21.40	21.80	22.25	22.70	1.59	18.25	28.94531
20 Jun 07	0.13	21.84	22.07	22.52	22.97	23.42	1.59	18.83	29.89426
21 Jun 07	0.12	21.62	21.91	22.36	22.81	23.26	1.58	18.68	29.5228
22 Jun 07	0.12	21.89	22.13	22.57	23.00	23.43	1.59	18.86	29.99642
25 Jun 07	0.11	21.18	21.48	21.88	22.31	22.73	1.59	18.28	29.08463
26 Jun 07	0.13	21.07	21.37	21.84	22.17	22.57	1.59	18.19	28.93351
27 Jun 07	0.13	21.43	21.73	22.11	22.48	22.86	1.61	18.46	29.6323
28 Jun 07	0.14	22.36	22.67	22.99	23.31	23.61	1.59	19.18	30.45575
29 Jun 07	0.13	22.29	22.61	23.01	23.41	23.81	1.60	19.21	30.66152
02 Jul 07	0.14	21.70	22.02	22.40	22.82	23.22	1.59	18.72	29.68553
03 Jul 07	0.13	21.16	21.49	21.89	22.29	22.71	1.59	18.28	29.11019
04 Jul 07	0.13	21.05	21.38	21.76	22.25	22.70	1.59	18.21	28.89982
05 Jul 07	0.14	21.48	21.80	22.13	22.55	22.98	1.59	18.51	29.39526
06 Jul 07	0.15	21.80	22.15	22.53	23.00	23.43	1.59	18.84	29.91936
09 Jul 07	0.14	21.12	21.45	21.74	22.16	22.58	1.58	18.20	28.82585
10 Jul 07	0.14	21.00	21.33	21.70	22.07	22.44	1.59	18.11	28.86603
11 Jul 07	0.14	20.67	21.00	21.40	21.75	22.04	1.59	17.83	28.44288
12 Jul 07	0.13	19.79	20.13	20.50	20.88	21.28	1.59	17.12	27.2581
13 Jul 07	0.13	19.89	20.21	20.63	21.02	21.40	1.59	17.21	27.28581
16 Jul 07	0.13	18.88	19.23	19.60	19.97	20.33	1.58	16.36	25.85294

17 Jul 07	0.14	19.25	19.58	19.93	20.28	20.63	1.58	16.64	26.27426
18 Jul 07	0.13	18.91	19.28	19.65	20.05	20.46	1.57	16.41	25.80774
19 Jul 07	0.12	19.35	19.72	20.10	20.50	20.85	1.57	16.77	26.30958
20 Jul 07	0.13	19.58	19.96	20.34	20.73	21.13	1.57	16.98	26.67855
23 Jul 07	0.12	19.25	19.62	20.00	20.34	20.72	1.56	16.68	26.05515
24 Jul 07	0.12	19.30	19.69	20.09	20.46	20.84	1.57	16.75	26.24944
25 Jul 07	0.12	19.98	20.38	20.75	21.13	21.50	1.55	17.31	26.87368
26 Jul 07	0.12	20.07	20.48	20.84	21.26	21.59	1.58	17.39	27.42546
27 Jul 07	0.12	20.30	20.68	21.00	21.42	21.79	1.60	17.55	28.08664
30 Jul 07	0.11	20.85	21.24	21.63	22.02	22.41	1.60	18.04	28.90214
31 Jul 07	0.12	21.15	21.54	21.92	22.30	22.68	1.61	18.29	29.39249
01 Aug 07	0.11	20.46	20.90	21.26	21.65	22.07	1.60	17.74	28.4428
02 Aug 07	0.09	20.70	21.11	21.48	21.88	22.30	1.60	17.93	28.62104
03 Aug 07	0.09	20.39	20.81	21.21	21.59	22.02	1.61	17.69	28.50051
06 Aug 07	0.09	19.60	20.02	20.42	20.82	21.23	1.61	17.03	27.35048
07 Aug 07	0.09	20.05	20.44	20.84	21.24	21.64	1.61	17.38	27.90389
08 Aug 07	0.10	19.91	20.32	20.74	21.14	21.55	1.60	17.29	27.6765
09 Aug 07	0.10	19.65	20.08	20.48	20.89	21.30	1.61	17.08	27.48092
10 Aug 07	0.10	19.06	19.49	19.87	20.27	20.68	1.62	16.58	26.8795
13 Aug 07	0.10	19.60	20.00	20.37	20.78	21.20	1.62	17.01	27.46914
14 Aug 07	0.11	19.40	19.86	20.29	20.69	21.15	1.62	16.92	27.43453
15 Aug 07	0.11	19.65	20.13	20.58	21.01	21.50	1.64	17.16	28.11958
16 Aug 07	0.11	19.29	19.77	20.24	20.73	21.24	1.70	16.90	28.64707
17 Aug 07	0.11	19.40	19.90	20.37	20.85	21.36	1.69	17.00	28.73782
20 Aug 07	0.11	19.20	19.77	20.24	20.74	21.25	1.67	16.89	28.21618
21 Aug 07	0.11	19.18	19.81	20.42	21.01	21.60	1.68	17.02	28.60451
22 Aug 07	0.11	18.63	19.30	19.94	20.59	21.23	1.68	16.63	27.92238
23 Aug 07	0.11	18.81	19.49	20.17	20.90	21.62	1.65	16.85	27.86721
24 Aug 07	0.11	18.63	19.30	19.99	20.71	21.44	1.65	16.70	27.60736
27 Aug 07	0.11	18.40	19.05	19.75	20.45	21.20	1.65	16.49	27.14256
28 Aug 07	0.11	19.38	20.00	20.66	21.32	21.97	1.67	17.24	28.7443
29 Aug 07	0.10	19.93	20.53	21.02	21.67	22.39	1.66	17.61	29.2995
30 Aug 07	0.11	19.40	19.99	20.59	21.16	21.75	1.67	17.17	28.7096
31 Aug 07	0.10	19.40	19.98	20.59	21.19	21.78	1.66	17.17	28.584
03 Sep 07	0.10	19.77	20.37	20.97	21.57	22.17	1.66	17.49	29.0313
04 Sep 07	0.10	20.91	21.50	22.09	22.68	23.27	1.65	18.43	30.41615
05 Sep 07	0.10	20.25	20.85	21.45	22.05	22.65	1.66	17.89	29.6761
06 Sep 07	0.10	20.53	21.13	21.73	22.33	22.93	1.65	18.13	29.91174
07 Sep 07	0.10	20.47	21.07	21.67	22.27	22.87	1.66	18.08	30.08272
10 Sep 07	0.09	20.31	20.91	21.51	22.11	22.71	1.67	17.94	29.99247
11 Sep 07	0.08	20.76	21.37	21.97	22.57	23.17	1.66	18.32	30.36612
12 Sep 07	0.09	21.10	21.70	22.30	22.90	23.50	1.65	18.60	30.67734
13 Sep 07	0.07	20.53	21.14	21.73	22.35	22.92	1.65	18.12	29.91644
14 Sep 07	0.07	20.70	21.29	21.87	22.46	23.05	1.65	18.24	30.03409
17 Sep 07	0.07	20.54	21.10	21.67	22.23	22.80	1.67	18.07	30.10479
18 Sep 07	0.06	20.80	21.30	21.80	22.35	22.90	1.64	18.20	29.87004
19 Sep 07	0.08	21.28	21.76	22.26	22.75	23.30	1.63	18.57	30.28864
20 Sep 07	0.08	21.77	22.22	22.67	23.12	23.57	1.63	18.91	30.854
21 Sep 07	0.08	21.75	22.20	22.75	23.25	23.75	1.63	18.96	30.88679
24 Sep 07	0.08	21.75	22.24	22.73	23.22	23.71	1.62	18.96	30.75356
25 Sep 07	0.08	21.39	21.86	22.34	22.83	23.32	1.62	18.64	30.18538
26 Sep 07	0.08	21.30	21.77	22.23	22.70	23.17	1.61	18.54	29.90787
27 Sep 07	0.08	21.60	22.06	22.54	23.00	23.47	1.61	18.79	30.18671
28 Sep 07	0.08	21.68	22.13	22.58	23.04	23.63	1.61	18.86	30.28556
01 Oct 07	0.07	21.60	22.10	22.58	23.06	23.60	1.59	18.84	29.98107
02 Oct 07	0.08	21.70	22.20	22.72	23.20	23.85	1.60	18.96	30.32972
03 Oct 07	0.07	21.38	21.91	22.46	22.98	23.60	1.60	18.73	29.92609
04 Oct 07	0.07	21.56	22.14	22.71	23.25	24.01	1.59	18.96	30.18307
05 Oct 07	0.11	21.52	22.11	22.70	23.30	24.07	1.57	18.97	29.86136
08 Oct 07	0.07	21.67	22.21	22.78	23.34	23.97	1.57	19.01	29.90683
09 Oct 07	0.07	21.65	22.23	22.83	23.45	24.10	1.57	19.06	29.87685
10 Oct 07	0.07	22.18	22.77	23.39	24.02	24.67	1.58	19.52	30.75463
11 Oct 07	0.07	22.36	22.92	23.53	24.16	24.80	1.58	19.64	30.95153
12 Oct 07	0.07	22.35	22.93	23.54	24.17	24.82	1.57	19.65	30.81702
15 Oct 07	0.07	22.60	23.18	23.70	24.32	24.95	1.58	19.80	31.31627

16 Oct 07	0.07	22.82	23.38	23.95	24.52	25.13	1.60	19.98	31.92515
17 Oct 07	0.07	23.00	23.52	24.10	24.68	25.46	1.60	20.14	32.12371
18 Oct 07	0.07	22.83	23.40	23.97	24.55	25.20	1.60	20.00	31.9165
19 Oct 07	0.07	22.62	23.16	23.72	24.29	24.92	1.60	19.80	31.73678
22 Oct 07	0.07	22.16	22.71	23.27	23.84	24.43	1.60	19.41	31.10248
23 Oct 07	0.07	22.34	22.89	23.45	24.01	24.61	1.59	19.56	31.06344
24 Oct 07	0.07	22.55	23.09	23.66	24.23	24.83	1.58	19.74	31.21732
25 Oct 07	0.07	22.78	23.32	23.97	24.52	25.17	1.58	19.97	31.4949
26 Oct 07	0.07	22.72	23.31	23.88	24.44	25.00	1.57	19.90	31.19099
29 Oct 07	0.07	22.88	23.48	24.02	24.60	25.20	1.57	20.04	31.39359
30 Oct 07	0.07	22.17	22.76	23.29	23.87	24.46	1.57	19.44	30.47857
31 Oct 07	0.09	22.27	22.81	23.39	23.99	24.59	1.55	19.52	30.33085
01 Nov 07	0.08	21.70	22.26	22.83	23.41	23.98	1.57	19.04	29.98741
02 Nov 07	0.08	21.50	22.05	22.66	23.20	23.76	1.57	18.88	29.7235
05 Nov 07	0.07	21.50	22.05	22.61	23.17	23.74	1.57	18.86	29.65774
06 Nov 07	0.07	21.52	22.02	22.57	23.14	23.70	1.57	18.84	29.60364
07 Nov 07	0.10	21.62	22.17	22.72	23.27	23.83	1.57	18.95	29.82651
08 Nov 07	0.11	21.65	22.18	22.73	23.28	23.84	1.59	18.97	30.09927
09 Nov 07	0.10	21.85	22.38	22.92	23.47	24.02	1.60	19.12	30.662
12 Nov 07	0.10	21.91	22.44	22.99	23.56	24.15	1.65	19.19	31.60596
13 Nov 07	0.10	22.30	22.86	23.41	23.97	24.65	1.64	19.55	32.03947
14 Nov 07	0.09	22.97	23.51	24.11	24.71	25.41	1.63	20.13	32.83444
15 Nov 07	0.09	22.60	23.14	23.73	24.35	25.07	1.65	19.83	32.63054
16 Nov 07	0.08	22.54	23.09	23.69	24.32	25.04	1.64	19.79	32.54896
19 Nov 07	0.08	22.85	23.37	23.94	24.55	25.29	1.66	20.01	33.19107
20 Nov 07	0.07	23.74	24.29	24.91	25.53	26.34	1.68	20.81	34.8696
21 Nov 07	0.07	23.72	24.23	24.83	25.45	26.16	1.70	20.74	35.28591
22 Nov 07	0.08	23.70	24.21	24.81	25.41	26.18	1.70	20.73	35.34644
23 Nov 07	0.08	23.69	24.21	24.81	25.41	26.20	1.69	20.73	35.12168
26 Nov 07	0.07	23.80	24.31	24.91	25.54	26.35	1.70	20.83	35.4071
27 Nov 07	0.07	23.53	24.02	24.62	25.24	26.03	1.70	20.59	34.93923
28 Nov 07	0.07	23.29	23.81	24.41	25.01	25.82	1.67	20.40	34.0131
29 Nov 07	0.04	22.70	23.23	23.82	24.43	25.23	1.68	19.91	33.36222
30 Nov 07	0.01	22.35	22.88	23.46	24.09	24.89	1.66	19.61	32.58973
03 Dec 07	0.03	22.98	23.49	24.07	24.71	25.53	1.66	20.14	33.50572
04 Dec 07	0.03	23.40	23.94	24.55	25.18	25.99	1.69	20.52	34.64022
05 Dec 07	0.03	22.81	23.35	23.96	24.58	25.39	1.68	20.02	33.64083
06 Dec 07	0.03	22.77	23.31	23.92	24.52	25.32	1.67	19.98	33.42526
07 Dec 07	0.03	22.30	22.85	23.46	24.02	24.82	1.67	19.58	32.67786
10 Dec 07	0.03	22.43	22.97	23.55	24.13	24.93	1.66	19.67	32.73175
11 Dec 07	0.03	22.51	23.06	23.63	24.23	25.02	1.66	19.75	32.69498
12 Dec 07	0.03	22.70	23.22	23.81	24.40	25.22	1.66	19.90	33.12573
13 Dec 07	0.03	22.80	23.35	23.92	24.53	25.32	1.67	19.99	33.34791
14 Dec 07	0.03	22.65	23.17	23.75	24.37	25.16	1.67	19.86	33.20868
17 Dec 07	0.01	22.35	22.87	23.45	24.03	24.83	1.68	19.59	32.84219
18 Dec 07		22.60	23.14	23.72	24.32	25.09	1.68	23.77	39.90794
19 Dec 07		22.45	22.99	23.58	24.21	25.03	1.67	23.65	39.59729
20 Dec 07		22.30	22.84	23.42	24.05	24.82	1.67	23.49	39.24157
21 Dec 07		21.93	22.53	23.11	23.72	24.48	1.66	23.15	38.38501
24 Dec 07		22.00	22.55	23.11	23.73	24.51	1.65	23.18	38.33998
27 Dec 07		21.87	22.38	22.97	23.65	24.43	1.67	23.06	38.4317
28 Dec 07		22.21	22.72	23.28	23.91	24.75	1.68	23.37	39.35953
31 Dec 07		22.41	22.94	23.51	24.14	24.97	1.67	23.59	39.29199
02 Jan 08		22.92	23.46	24.05	24.74	25.43	1.67	24.12	40.25339
03 Jan 08		23.54	24.06	24.65	25.31	26.12	1.67	24.74	41.39918
04 Jan 08		23.55	24.07	24.63	25.32	26.12	1.69	24.74	41.80943
07 Jan 08		23.66	24.18	24.77	25.43	26.25	1.69	24.86	41.97292
08 Jan 08		23.70	24.23	24.84	25.43	26.29	1.66	24.90	41.44697
09 Jan 08		23.42	23.95	24.55	25.18	26.00	1.67	24.62	41.03065
10 Jan 08		23.11	23.66	24.24	24.88	25.67	1.65	24.31	40.23441
11 Jan 08		23.11	23.63	24.21	24.70	25.67	1.66	24.26	40.25358
14 Jan 08		23.41	23.93	24.50	25.12	25.99	1.66	24.59	40.75092
15 Jan 08		23.17	23.69	24.28	24.91	25.74	1.67	24.36	40.62308
16 Jan 08		22.75	23.24	23.84	24.49	25.33	1.67	23.93	39.94965
17 Jan 08		22.23	22.70	23.26	23.87	24.80	1.66	23.38	38.89919

18 Jan 08	22.28	22.76	23.31	23.94	24.86	1.66	23.43	39.00453
21 Jan 08	20.84	21.32	21.85	22.45	23.40	1.68	21.97	36.86012
22 Jan 08	20.31	20.78	21.32	21.98	22.88	1.68	21.45	36.05817
23 Jan 08	20.03	20.50	21.04	21.68	22.57	1.68	21.16	35.57712
24 Jan 08	19.76	20.21	20.75	21.39	22.33	1.68	20.89	35.04732
25 Jan 08	21.04	21.48	22.01	22.65	23.60	1.67	22.16	36.98396
28 Jan 08	20.65	21.10	21.63	22.28	23.21	1.67	21.77	36.30423
29 Jan 08	20.70	21.17	21.69	22.33	23.25	1.66	21.83	36.31657
30 Jan 08	20.08	20.55	21.08	21.72	22.65	1.66	21.22	35.29403
31 Jan 08	19.10	19.57	20.10	20.75	21.66	1.66	20.24	33.49178
01 Feb 08	19.22	19.67	20.20	20.84	21.76	1.64	20.34	33.39355
04 Feb 08	19.19	19.67	20.18	20.82	21.74	1.63	20.32	33.15496
05 Feb 08	18.84	19.33	19.84	20.47	21.39	1.63	19.97	32.60759
06 Feb 08	19.97	20.45	20.97	21.65	22.61	1.63	21.13	34.47446
07 Feb 08	20.44	20.90	21.42	22.10	23.03	1.62	21.58	34.91431
08 Feb 08	20.39	20.88	21.41	22.10	23.03	1.62	21.56	34.95125
11 Feb 08	20.16	20.63	21.18	21.87	22.80	1.60	21.33	34.22835
12 Feb 08	19.97	20.43	21.01	21.72	22.66	1.61	21.16	34.12043
13 Feb 08	19.93	20.41	20.98	21.68	22.61	1.63	21.12	34.43073
14 Feb 08	20.72	21.21	21.81	22.46	23.40	1.62	21.92	35.50431
15 Feb 08	20.87	21.35	21.95	22.61	23.59	1.62	22.07	35.69107
18 Feb 08	20.93	21.41	22.01	22.69	23.65	1.61	22.14	35.53493
19 Feb 08	21.64	22.13	22.74	23.42	24.37	1.60	22.86	36.55542
20 Feb 08	21.50	22.00	22.60	23.25	24.21	1.60	22.71	36.38971
21 Feb 08	21.70	22.18	22.81	23.51	24.45	1.61	22.93	36.95066
22 Feb 08	21.48	21.96	22.61	23.28	24.22	1.61	22.71	36.51943
25 Feb 08	21.59	22.09	22.74	23.34	24.31	1.60	22.81	36.58847
26 Feb 08	21.35	21.85	22.50	23.15	24.11	1.60	22.59	36.22305
27 Feb 08	21.26	21.78	22.41	23.10	24.05	1.61	22.52	36.18808
28 Feb 08	21.16	21.66	22.31	23.02	23.93	1.60	22.42	35.91915
29 Feb 08	21.31	21.83	22.51	23.21	24.15	1.63	22.60	36.72835
03 Mar 08	20.88	21.40	22.14	22.80	23.74	1.62	22.19	35.86616
04 Mar 08	20.67	21.19	21.91	22.66	23.59	1.65	22.00	36.26339
05 Mar 08	21.24	21.78	22.51	23.26	24.20	1.64	22.60	37.05659
06 Mar 08	21.35	21.89	22.62	23.36	24.30	1.66	22.70	37.5969
07 Mar 08	21.38	21.92	22.67	23.40	24.34	1.65	22.74	37.56517
10 Mar 08	21.66	22.21	23.03	23.88	24.77	1.67	23.11	38.62803
11 Mar 08	21.86	22.41	23.14	23.88	24.86	1.65	23.23	38.42859
12 Mar 08	21.95	22.48	23.19	24.02	24.98	1.66	23.32	38.69784
13 Mar 08	22.55	23.10	23.81	24.64	25.59	1.65	23.94	39.44987
14 Mar 08	22.21	22.76	23.52	24.30	25.28	1.67	23.61	39.48375
17 Mar 08	21.43	21.97	22.65	23.45	24.38	1.71	22.78	39.0027
18 Mar 08	21.66	22.22	22.92	23.73	24.67	1.69	23.04	38.98855
19 Mar 08	21.56	22.12	22.83	23.63	24.60	1.71	22.95	39.12914
20 Mar 08	21.97	22.54	23.26	24.05	25.02	1.71	23.37	40.06845
25 Mar 08	22.54	23.12	23.83	24.64	25.60	1.70	23.95	40.76307
26 Mar 08	22.51	23.10	23.79	24.55	25.56	1.72	23.90	41.16311
27 Mar 08	22.26	22.84	23.53	24.31	25.28	1.71	23.64	40.53072
28 Mar 08	21.76	22.34	23.02	23.77	24.75	1.72	23.13	39.76914
31 Mar 08	22.27	22.85	23.53	24.29	25.28	1.73	23.64	40.84975
01 Apr 08	22.52	23.10	23.81	24.54	25.53	1.72	23.90	41.17891
02 Apr 08	23.42	24.00	24.71	25.43	26.41	1.72	24.79	42.52716
03 Apr 08	23.47	24.09	24.79	25.51	26.50	1.71	24.87	42.5176
04 Apr 08	23.31	23.96	24.61	25.35	26.34	1.70	24.71	42.1265
07 Apr 08	23.82	24.48	25.15	25.86	26.85	1.70	25.23	42.7728
08 Apr 08	23.51	24.18	24.87	25.58	26.55	1.69	24.94	42.11126
09 Apr 08	23.69	24.35	25.05	25.76	26.74	1.70	25.12	42.80502
10 Apr 08	24.44	25.08	25.78	26.50	27.48	1.69	25.86	43.6506
11 Apr 08	24.38	25.01	25.70	26.44	27.43	1.70	25.79	43.89006
14 Apr 08	25.00	25.63	26.34	27.09	28.07	1.71	26.43	45.16074
15 Apr 08	25.14	25.78	26.47	27.23	28.22	1.71	26.57	45.37995
16 Apr 08	24.80	25.45	26.15	26.90	27.89	1.70	26.24	44.54426
17 Apr 08	24.69	25.35	26.07	26.81	27.80	1.70	26.14	44.35405
18 Apr 08	24.51	25.16	25.87	26.65	27.64	1.69	25.97	43.92773
21 Apr 08	25.23	25.87	26.70	27.39	28.38	1.69	26.71	45.12068

22 Apr 08	25.34	25.99	26.76	27.46	28.45	1.69	26.80	45.34755
23 Apr 08	25.00	25.66	26.38	27.10	28.09	1.67	26.45	44.24457
24 Apr 08	24.51	25.13	25.87	26.61	27.55	1.67	25.93	43.24395
25 Apr 08	24.74	25.38	26.13	26.87	27.86	1.67	26.20	43.81191
28 Apr 08	24.63	25.27	26.01	26.79	27.78	1.67	26.10	43.50298
29 Apr 08	24.19	24.84	25.58	26.34	27.33	1.67	25.66	42.74743
30 Apr 08	23.88	24.54	25.31	26.04	27.03	1.66	25.36	41.98501
01 May 08	23.56	24.22	24.95	25.67	26.66	1.65	25.01	41.39147
02 May 08	24.50	25.15	25.81	26.51	27.39	1.65	25.87	42.59338
06 May 08	25.31	25.97	26.69	27.45	28.43	1.63	26.77	43.73038
07 May 08	25.03	25.67	26.40	27.18	28.13	1.63	26.48	43.2878
08 May 08	24.91	25.55	26.27	27.04	27.98	1.63	26.35	42.97012
09 May 08	25.17	25.82	26.52	27.29	28.28	1.64	26.62	43.68162
12 May 08	25.39	26.02	26.74	27.52	28.52	1.64	26.84	44.02195
13 May 08	25.04	25.67	26.37	27.14	28.14	1.64	26.47	43.52495
14 May 08	24.46	25.06	25.78	26.56	27.56	1.65	25.88	42.82814
15 May 08	24.68	25.30	26.01	26.76	27.75	1.64	26.10	42.85479
16 May 08	24.89	25.48	26.21	26.95	27.93	1.63	26.29	42.92659
19 May 08	25.31	25.91	26.61	27.33	28.33	1.63	26.70	43.42471
20 May 08	25.36	25.97	26.66	27.39	28.39	1.63	26.75	43.73289
21 May 08	25.73	26.35	27.03	27.78	28.77	1.64	27.13	44.49296
22 May 08	26.06	26.68	27.41	28.10	29.08	1.64	27.47	45.15804
23 May 08	26.11	26.72	27.41	28.14	29.14	1.64	27.50	45.1612
26 May 08	26.38	26.90	27.40	27.95	28.90	1.64	27.51	45.14669
27 May 08	26.34	26.95	27.59	28.31	29.30	1.64	27.70	45.3306
28 May 08	26.19	26.77	27.42	28.10	29.09	1.63	27.51	44.71786
29 May 08	26.59	27.15	27.79	28.53	29.44	1.62	27.90	45.21162
30 May 08	26.10	26.69	27.33	28.05	29.01	1.63	27.44	44.62325
02 Jun 08	26.34	26.93	27.56	28.29	29.26	1.63	27.68	45.0327
03 Jun 08	27.13	27.74	28.39	29.08	30.09	1.62	28.49	46.26918
04 Jun 08	26.60	27.21	27.84	28.56	29.56	1.61	27.95	45.08449
05 Jun 08	26.44	27.05	27.69	28.46	29.49	1.63	27.83	45.27264
06 Jun 08	27.54	28.17	28.86	29.59	30.65	1.64	28.96	47.434
09 Jun 08	27.49	28.13	28.79	29.55	30.61	1.65	28.91	47.58534
10 Jun 08	27.20	27.84	28.52	29.27	30.34	1.63	28.63	46.7696
11 Jun 08	27.32	27.97	28.63	29.39	30.45	1.64	28.75	47.22145
12 Jun 08	27.16	27.81	28.47	29.24	30.29	1.65	28.59	47.1781
13 Jun 08	27.00	27.65	28.32	29.08	30.14	1.64	28.44	46.53096
16 Jun 08	27.13	27.77	28.45	29.22	30.29	1.65	28.57	47.00462
17 Jun 08	27.24	27.87	28.55	29.31	30.37	1.64	28.67	47.10205
18 Jun 08	27.50	28.16	28.84	29.60	30.71	1.64	28.96	47.52291
19 Jun 08	27.64	28.33	29.04	29.84	31.04	1.63	29.18	47.54445
20 Jun 08	27.41	28.11	28.83	29.63	30.83	1.64	28.96	47.4221
23 Jun 08	27.77	28.50	29.28	30.10	31.35	1.63	29.40	47.95882
24 Jun 08	27.78	28.63	29.45	30.39	31.72	1.63	29.59	48.25329
25 Jun 08	27.59	28.42	29.27	30.26	31.66	1.63	29.44	48.11121
26 Jun 08	27.88	28.81	29.77	30.86	32.28	1.65	29.92	49.2969
27 Jun 08	28.34	29.29	30.24	31.42	32.82	1.64	30.42	50.00249
30 Jun 08	28.77	29.80	30.79	31.93	33.37	1.64	30.93	50.82857
01 Jul 08	29.33	30.53	31.71	32.90	34.38	1.66	31.77	52.59106
02 Jul 08	27.99	29.19	30.26	31.49	32.85	1.65	30.36	50.07561
03 Jul 08	27.45	28.64	29.74	30.98	32.46	1.63	29.85	48.78912
04 Jul 08	27.64	29.00	30.10	31.17	32.70	1.63	30.12	49.06976
07 Jul 08	27.51	28.67	29.82	30.92	32.32	1.64	29.85	49.05391
08 Jul 08	25.79	26.85	27.88	28.99	30.34	1.64	27.97	45.8877
09 Jul 08	26.02	27.11	28.12	29.17	30.51	1.65	28.19	46.42521
10 Jul 08	26.68	27.87	28.94	30.06	31.53	1.64	29.02	47.57756
11 Jul 08	27.45	28.75	29.85	31.00	32.48	1.65	29.91	49.29654
14 Jul 08	27.26	28.56	29.64	30.78	32.27	1.64	29.70	48.59725
15 Jul 08	26.32	27.61	28.71	29.85	31.32	1.62	28.76	46.72425
16 Jul 08	25.03	26.20	27.23	28.17	29.49	1.62	27.22	44.19855
17 Jul 08	25.76	26.89	27.85	28.82	30.17	1.63	27.90	45.55694
18 Jul 08	24.50	25.61	26.47	27.54	28.95	1.63	26.61	43.44138
21 Jul 08	24.49	25.59	26.52	27.49	28.79	1.63	26.58	43.32397
22 Jul 08	24.67	25.83	26.75	27.78	29.11	1.62	26.83	43.59012

23 Jul 08	24.74	25.85	26.89	27.99	29.31	1.63	26.96	43.95184
24 Jul 08	25.14	26.32	27.39	28.50	29.85	1.63	27.44	44.83007
25 Jul 08	24.94	26.11	27.21	28.38	29.68	1.64	27.26	44.74414
28 Jul 08	24.41	25.53	26.57	27.68	28.99	1.65	26.64	43.82655
29 Jul 08	23.63	24.72	25.76	26.85	28.08	1.64	25.81	42.22642
30 Jul 08	22.70	23.79	24.81	25.85	27.06	1.65	24.84	41.0125
31 Jul 08	22.06	23.10	24.12	25.17	26.39	1.66	24.17	40.00885
01 Aug 08	21.38	22.38	23.36	24.42	25.64	1.67	23.44	39.20562
04 Aug 08	21.21	22.25	23.26	24.31	25.56	1.68	23.32	39.08238
05 Aug 08	21.67	22.70	23.71	24.76	25.98	1.69	23.76	40.11076
06 Aug 08	22.26	23.33	24.37	25.49	26.76	1.70	24.44	41.46208
07 Aug 08	22.82	23.89	24.97	26.15	27.42	1.69	25.05	42.35241
08 Aug 08	22.61	23.70	24.73	25.83	27.09	1.69	24.79	41.87277
11 Aug 08	22.65	23.74	24.80	25.90	27.21	1.69	24.86	41.95868
12 Aug 08	23.31	24.38	25.38	26.59	27.93	1.71	25.52	43.52341
13 Aug 08	23.67	24.78	25.81	26.97	28.28	1.70	25.90	44.12736
14 Aug 08	23.43	24.50	25.52	26.64	27.95	1.70	25.61	43.54502
15 Aug 08	23.19	24.22	25.20	26.34	27.60	1.69	25.31	42.87255
18 Aug 08	23.59	24.68	25.68	26.80	28.07	1.69	25.76	43.64002
19 Aug 08	23.73	24.78	25.76	26.86	28.14	1.70	25.85	43.84158
20 Aug 08	24.42	25.49	26.50	27.61	28.92	1.69	26.59	44.89045
21 Aug 08	24.72	25.80	26.80	27.93	29.26	1.69	26.90	45.52285
22 Aug 08	24.58	25.67	26.67	27.80	29.13	1.70	26.77	45.63108
25 Aug 08	24.37	25.46	26.50	27.67	29.07	1.71	26.61	45.47093
26 Aug 08	24.72	25.81	26.80	27.92	29.25	1.71	26.90	46.0443
27 Aug 08	25.14	26.25	27.27	28.32	29.67	1.71	27.33	46.86389
28 Aug 08	25.17	26.28	27.27	28.40	29.74	1.71	27.37	46.69375
29 Aug 08	25.19	26.29	27.24	28.38	29.68	1.71	27.36	46.73668
01 Sep 08	24.96	26.06	27.00	28.14	29.45	1.72	27.12	46.56483
02 Sep 08	24.72	25.80	26.74	27.84	29.14	1.73	26.85	46.44418
03 Sep 08	24.45	25.52	26.47	27.61	28.91	1.73	26.59	46.13678
04 Sep 08	24.65	25.72	26.68	27.84	29.13	1.74	26.80	46.59812
05 Sep 08	24.40	25.46	26.42	27.57	28.86	1.75	26.54	46.46062
08 Sep 08	24.19	25.25	26.20	27.25	28.55	1.73	26.29	45.46833
09 Sep 08	22.86	23.91	24.84	25.87	27.06	1.76	24.91	43.89645
10 Sep 08	22.77	23.81	24.76	25.71	26.96	1.75	24.80	43.35807
11 Sep 08	23.07	24.11	25.03	25.99	27.24	1.74	25.09	43.66609
12 Sep 08	23.90	24.95	25.79	26.82	28.07	1.73	25.91	44.75251
15 Sep 08	23.03	24.07	24.94	25.94	27.20	1.77	25.04	44.36289
16 Sep 08	22.91	23.93	24.81	25.78	27.07	1.77	24.90	43.9805
17 Sep 08	23.25	24.29	25.17	26.19	27.50	1.80	25.28	45.58944
18 Sep 08	23.78	24.83	25.71	26.74	28.04	1.79	25.82	46.10504
19 Sep 08	24.68	25.73	26.61	27.66	28.98	1.73	26.73	46.36375
22 Sep 08	24.85	25.89	26.75	27.83	29.15	1.75	26.89	46.97557
23 Sep 08	25.06	26.05	26.84	27.94	29.27	1.76	27.03	47.47831
24 Sep 08	24.65	25.57	26.32	27.43	28.69	1.75	26.53	46.53646
25 Sep 08	24.67	25.55	26.27	27.32	28.53	1.75	26.47	46.31071
26 Sep 08	24.45	25.43	26.17	27.20	28.50	1.76	26.35	46.35731
29 Sep 08	23.19	24.11	24.84	25.89	27.14	1.80	25.03	45.058
30 Sep 08	22.35	23.29	24.05	25.06	26.23	1.78	24.20	43.08924
01 Oct 08	22.83	23.84	24.56	25.59	26.82	1.78	24.73	43.94033
02 Oct 08	23.14	24.09	24.85	25.90	27.10	1.79	25.02	44.65754
03 Oct 08	23.07	24.01	24.80	25.82	27.01	1.78	24.94	44.35694
06 Oct 08	22.08	23.01	23.77	24.75	25.90	1.92	23.90	45.79248
07 Oct 08	22.25	23.09	23.78	24.69	25.77	1.91	23.92	45.59981
08 Oct 08	21.81	22.60	23.23	24.19	25.29	2.02	23.42	47.40562
09 Oct 08	22.50	23.36	24.01	24.96	26.15	1.96	24.20	47.41924
10 Oct 08	22.04	22.81	23.42	24.30	25.44	2.09	23.60	49.35742
13 Oct 08	22.84	23.40	23.98	24.88	25.94	1.99	24.21	48.09132
14 Oct 08	23.29	23.80	24.42	25.29	26.34	1.95	24.63	48.11227
15 Oct 08	22.82	23.31	24.01	24.90	25.97	2.01	24.20	48.55645
16 Oct 08	21.91	22.67	23.42	24.21	25.45	1.96	23.53	46.131
17 Oct 08	21.68	22.43	23.19	24.08	25.27	1.94	23.33	45.17594
20 Oct 08	21.80	22.49	23.26	24.21	25.38	1.90	23.43	44.48063
21 Oct 08	21.25	21.87	22.62	23.55	24.73	1.92	22.80	43.70486

22 Oct 08	19.90	20.57	21.25	22.19	23.40	1.91	21.46	41.05031
23 Oct 08	20.19	20.74	21.35	22.27	23.48	1.96	21.61	42.43386
24 Oct 08	19.14	19.70	20.28	21.19	22.32	2.03	20.53	41.67081
27 Oct 08	17.87	18.37	18.83	19.52	20.51	2.06	19.02	39.25081
28 Oct 08	17.63	18.15	18.54	19.19	20.16	1.98	18.73	37.08089
29 Oct 08	18.45	18.98	19.39	20.00	21.01	1.93	19.57	37.69849
30 Oct 08	18.12	18.70	19.14	19.76	20.85	1.90	19.31	36.74986
31 Oct 08	17.94	18.55	18.94	19.48	20.58	1.91	19.12	36.44567
03 Nov 08	18.25	18.88	19.24	19.82	20.95	1.86	19.43	36.22173
04 Nov 08	18.94	19.57	19.97	20.57	21.69	1.87	20.15	37.5967
05 Nov 08	18.54	19.17	19.60	20.23	21.35	1.88	19.78	37.11883
06 Nov 08	18.20	18.82	19.26	19.87	21.00	1.91	19.43	37.06866
07 Nov 08	18.69	19.34	19.75	20.43	21.65	1.89	19.97	37.69669
10 Nov 08	18.51	19.15	19.65	20.43	21.64	1.90	19.88	37.81081
11 Nov 08	17.94	18.60	19.15	19.92	21.13	1.91	19.35	36.91023
12 Nov 08	17.95	18.55	19.05	19.82	20.91	1.96	19.26	37.69855
13 Nov 08	17.95	18.50	18.97	19.75	20.80	1.95	19.19	37.44051
14 Nov 08	17.43	18.05	18.55	19.31	20.41	1.93	18.75	36.21256
17 Nov 08	17.03	17.69	18.23	19.01	20.13	1.94	18.42	35.66638
18 Nov 08	16.55	17.25	17.81	18.56	19.70	1.94	17.97	34.89459
19 Nov 08	16.33	17.03	17.60	18.35	19.43	1.94	17.75	34.45562
20 Nov 08	14.92	15.54	16.05	16.76	17.70	2.02	16.19	32.79015
21 Nov 08	15.03	15.68	16.28	16.88	17.79	2.02	16.33	32.96547
24 Nov 08	15.86	16.55	17.13	17.78	18.72	1.99	17.21	34.23277
25 Nov 08	15.76	16.46	17.10	17.73	18.68	2.01	17.15	34.42936
26 Nov 08	15.63	16.27	16.80	17.54	18.41	1.98	16.93	33.5336
27 Nov 08	16.31	17.05	17.73	18.29	19.23	1.95	17.72	34.60379
28 Nov 08	15.52	16.19	16.88	17.57	18.51	1.94	16.93	32.83892
01 Dec 08	15.53	16.21	16.90	17.53	18.42	1.95	16.92	33.05651
02 Dec 08	15.36	16.05	16.74	17.39	18.27	1.99	16.76	33.30178
03 Dec 08	15.22	15.90	16.53	17.20	18.05	1.97	16.58	32.66181
04 Dec 08	14.82	15.49	16.12	16.81	17.65	1.98	16.18	32.08787
05 Dec 08	13.72	14.36	14.97	15.58	16.38	1.99	15.00	29.82628
08 Dec 08	14.45	15.10	15.72	16.35	17.20	1.95	15.76	30.79015
09 Dec 08	14.28	14.90	15.53	16.12	16.99	1.96	15.56	30.57073
10 Dec 08	14.37	15.04	15.64	16.31	17.16	1.98	15.70	31.09595
11 Dec 08	14.86	15.64	16.25	16.91	17.80	1.97	16.29	32.15789
12 Dec 08	14.88	15.58	16.15	16.81	17.75	2.03	16.23	32.93163
15 Dec 08	15.30	15.95	16.49	17.21	18.16	2.05	16.62	34.13784
16 Dec 08		15.93	16.45	17.15	18.05	2.04	16.90	34.44057
17 Dec 08		15.95	16.44	17.06	17.95	2.04	16.85	34.44434
18 Dec 08		15.73	16.25	16.90	17.75	2.04	16.66	34.05714
19 Dec 08		15.74	16.21	16.89	17.77	2.03	16.65	33.83131
22 Dec 08		16.07	16.57	17.22	18.10	2.03	16.99	34.45659
23 Dec 08		15.81	16.33	16.98	17.86	2.05	16.75	34.32927
24 Dec 08		15.75	16.27	16.91	17.74	2.05	16.67	34.18143
29 Dec 08		15.81	16.38	17.02	17.90	2.04	16.78	34.1653
30 Dec 08		16.02	16.58	17.23	18.07	2.04	16.98	34.67143
31 Dec 08		15.90	16.46	17.08	17.95	1.97	16.85	33.26514
02 Jan 09		15.55	16.11	16.74	17.60	1.96	16.50	32.34127
05 Jan 09		15.38	15.92	16.56	17.46	1.90	16.33	30.96575
06 Jan 09		15.69	16.20	16.86	17.67	1.87	16.61	30.99061
07 Jan 09		15.45	15.94	16.61	17.45	1.91	16.36	31.29624
08 Jan 09		14.76	15.27	15.87	16.65	1.93	15.64	30.23083
09 Jan 09		14.44	14.95	15.50	16.25	1.91	15.29	29.15774
12 Jan 09		13.94	14.37	14.91	15.59	1.95	14.70	28.68456
13 Jan 09		13.78	14.18	14.74	15.39	1.99	14.52	28.95518
14 Jan 09		13.28	13.63	14.16	14.82	1.99	13.97	27.86722
15 Jan 09		13.25	13.62	14.14	14.77	1.98	13.95	27.63822
16 Jan 09		12.60	12.98	13.52	14.09	1.98	13.30	26.38562
19 Jan 09		11.63	12.00	12.52	13.07	1.95	12.31	24.04513
20 Jan 09		11.51	11.97	12.47	12.99	1.98	12.24	24.20303
21 Jan 09		11.50	11.90	12.41	12.97	1.97	12.20	24.01811
22 Jan 09		11.70	12.02	12.51	13.06	1.97	12.32	24.31724
23 Jan 09		11.67	12.00	12.46	13.11	1.98	12.31	24.33092

26 Jan 09	12.11	12.46	12.92	13.53	1.99	12.76	25.39635
27 Jan 09	11.91	12.26	12.74	13.38	1.99	12.57	25.02596
28 Jan 09	11.74	12.08	12.54	13.18	1.97	12.39	24.41398
29 Jan 09	11.88	12.20	12.67	13.29	1.98	12.51	24.79298
30 Jan 09	11.85	12.17	12.66	13.29	2.01	12.49	25.13005
02 Feb 09	11.29	11.69	12.11	12.76	2.03	11.96	24.31214
03 Feb 09	10.61	10.94	11.41	12.02	2.00	11.25	22.44864
04 Feb 09	10.43	10.72	11.19	11.78	1.99	11.03	21.93388
05 Feb 09	10.20	10.48	10.95	11.53	1.96	10.79	21.17082
06 Feb 09	10.07	10.35	10.82	11.40	1.92	10.66	20.43181
09 Feb 09	10.05	10.32	10.80	11.37	1.92	10.64	20.36714
10 Feb 09	9.33	9.57	10.04	10.60	1.97	9.89	19.49126
11 Feb 09	8.49	8.72	9.19	9.73	1.97	9.03	17.79822
12 Feb 09	8.20	8.43	8.90	9.43	1.98	8.74	17.26436
13 Feb 09	8.63	8.95	9.43	10.02	1.96	9.26	18.10428
16 Feb 09	8.40	8.72	9.19	9.78	1.97	9.02	17.74259
17 Feb 09	8.64	8.96	9.44	10.04	1.97	9.27	18.30424
18 Feb 09	9.68	9.98	10.47	11.07	1.97	10.30	20.26722
19 Feb 09	10.81	11.18	11.75	12.45	1.96	11.55	22.64821
20 Feb 09	9.97	10.33	10.87	11.55	1.98	10.68	21.18695
23 Feb 09	9.64	9.94	10.47	11.18	1.98	10.31	20.36527
24 Feb 09	9.36	9.72	10.25	10.96	1.98	10.07	19.90281
25 Feb 09	9.74	10.11	10.69	11.44	1.97	10.50	20.69419
26 Feb 09	10.60	11.05	11.64	12.44	1.96	11.43	22.3687
27 Feb 09	10.09	10.53	11.13	11.93	1.97	10.92	21.52927
02 Mar 09	10.06	10.49	11.16	11.97	1.99	10.92	21.70889
03 Mar 09	10.98	11.41	12.13	13.02	1.96	11.89	23.31361
04 Mar 09	11.64	12.14	12.86	13.77	1.95	12.60	24.52211
05 Mar 09	11.64	12.14	12.86	13.77	1.97	12.60	24.76503
06 Mar 09	10.83	11.33	12.03	12.97	1.98	11.79	23.33773
09 Mar 09	11.65	12.20	12.95	13.98	1.99	12.45	24.82853
10 Mar 09	12.01	12.57	13.32	14.35	1.97	12.75	25.1141
11 Mar 09	11.69	12.33	13.10	14.15	1.97	12.55	24.77538
12 Mar 09	11.87	12.54	13.41	14.62	1.97	12.79	25.21763
13 Mar 09	12.29	12.99	13.90	15.05	1.96	13.26	26.01471
16 Mar 09	12.58	13.29	14.19	15.39	1.96	13.55	26.58548
17 Mar 09	12.58	13.29	14.19	15.39	1.97	13.55	26.64552
18 Mar 09	12.58	13.29	14.19	15.39	1.98	13.55	26.81501

	EURO			AUD		
Date	EJA Dec07	EUA Dec09-12	CER Dec09-12	EUA Dec07	EUA Dec09-12	CER Dec09-12
22-Apr-05	16.95	17.13		28.30	28.59	
25-Apr-05	17.55	17.73		29.25	29.54	
26-Apr-05	17.20	17.38		28.68	28.97	
27-Apr-05	16.45	16.63		27.40	27.69	
28-Apr-05	16.00	16.18		26.47	26.76	
29-Apr-05	16.50	16.68		27.18	27.46	
03-May-05	16.25	16.43		27.04	27.33	
04-May-05	16.20	16.38		26.86	27.15	
05-May-05	16.60	16.78		27.54	27.83	
06-May-05	16.60	16.78		27.43	27.72	
09-May-05	17.00	17.18		28.28	28.57	
10-May-05	17.10	17.28		28.35	28.64	
11-May-05	16.90	17.08		27.94	28.23	
12-May-05	16.75	16.93		27.78	28.07	
13-May-05	16.80	17.13		27.87	28.41	
16-May-05	16.90	17.13		28.25	28.62	
17-May-05	17.20	17.53		28.68	29.22	
18-May-05	17.45	17.78		29.05	29.59	
19-May-05	18.00	18.23		30.01	30.38	
20-May-05	18.75	18.93		31.16	31.45	
23-May-05	18.50	18.95		30.64	31.39	
24-May-05	19.10	19.39		31.47	31.94	
25-May-05	19.95	20.13		32.97	33.26	
26-May-05	19.75	20.03		32.54	32.99	
27-May-05	19.65	19.98		32.38	32.91	
31-May-05	19.90	20.18		32.43	32.88	
01-Jun-05	19.60	19.83		31.96	32.33	
02-Jun-05	19.50	19.66		31.71	32.30	
03-Jun-05	19.10	19.55		30.87	31.59	
06-Jun-05	19.30	19.78		30.94	31.70	
07-Jun-05	19.60	20.15		31.32	32.19	
08-Jun-05	19.80	20.25		31.65	32.37	
09-Jun-05	19.65	20.00		31.28	31.84	
10-Jun-05	19.65	20.00		31.25	31.81	
13-Jun-05	19.85	20.35		31.58	32.38	
14-Jun-05	19.90	20.44		31.36	32.21	
15-Jun-05	20.10	20.45		31.62	32.17	
16-Jun-05	20.60	20.85		32.24	32.63	
17-Jun-05	21.50	21.85		33.95	34.51	
20-Jun-05	22.95	23.35		35.92	36.54	
21-Jun-05	23.00	23.50		35.87	36.65	
22-Jun-05	23.20	23.55		36.12	36.67	
23-Jun-05	23.40	23.83		36.46	37.12	
24-Jun-05	24.00	24.30		37.74	38.21	
27-Jun-05	23.95	24.30		37.65	38.40	
28-Jun-05	24.50	24.90		38.75	39.38	
29-Jun-05	25.45	25.94		40.31	41.08	
30-Jun-05	25.80	26.50		41.02	42.13	
01-Jul-05	26.90	27.48		42.83	43.75	
04-Jul-05	29.45	29.90		46.76	47.47	
05-Jul-05	28.85	29.30		46.31	47.03	
06-Jul-05	29.30	29.93		47.16	48.17	
07-Jul-05	29.40	30.03		47.42	48.43	
08-Jul-05	29.70	30.50		47.89	49.18	
11-Jul-05	29.90	30.65		48.26	49.47	
12-Jul-05	29.45	30.03		47.60	48.53	
13-Jul-05	27.95	28.40		45.05	45.78	
14-Jul-05	24.00	24.53		38.56	39.41	
15-Jul-05	24.30	24.93		39.02	40.02	
18-Jul-05	24.70	25.13		39.51	40.19	
19-Jul-05	24.55	24.94		39.32	39.94	
20-Jul-05	20.90	21.75		33.59	34.96	
21-Jul-05	20.35	21.20		32.35	33.70	
22-Jul-05	20.10	20.45		31.73	32.28	
25-Jul-05	20.15	20.83		31.87	32.93	
26-Jul-05	20.80	21.50		32.96	34.07	
27-Jul-05	22.05	22.58		35.20	36.04	
28-Jul-05	22.05	22.55		35.22	36.01	
29-Jul-05	22.35	22.98		35.78	36.78	
01-Aug-05	21.45	22.10		34.30	35.34	

02-Aug-05	20.70	21.15	32.98	33.70
03-Aug-05	20.70	21.40	33.06	34.18
04-Aug-05	20.50	21.20	32.84	33.96
05-Aug-05	21.25	21.75	34.16	34.97
08-Aug-05	21.75	22.25	35.15	35.96
09-Aug-05	22.45	22.95	36.48	37.29
10-Aug-05	22.45	23.05	36.27	37.24
11-Aug-05	22.55	23.35	36.26	37.55
12-Aug-05	22.80	23.25	36.68	37.41
15-Aug-05	22.40	22.98	36.04	36.96
16-Aug-05	22.45	23.03	36.05	36.98
17-Aug-05	22.80	23.43	36.76	37.77
18-Aug-05	22.75	23.35	36.79	37.76
19-Aug-05	22.90	23.38	37.06	37.83
22-Aug-05	23.05	23.63	37.34	38.28
23-Aug-05	23.10	23.58	37.40	38.17
24-Aug-05	23.10	23.58	37.50	38.27
25-Aug-05	23.35	23.75	37.81	38.46
30-Aug-05	23.65	24.30	38.63	39.69
31-Aug-05	23.95	24.48	39.17	40.03
01-Sep-05	24.40	24.98	39.98	40.93
02-Sep-05	24.75	25.28	40.53	41.39
05-Sep-05	24.75	25.33	40.41	41.35
06-Sep-05	24.65	25.13	40.02	40.79
07-Sep-05	24.70	25.23	40.03	40.88
08-Sep-05	24.35	24.70	39.06	39.62
09-Sep-05	23.75	24.20	38.05	38.77
12-Sep-05	22.25	22.65	35.49	36.13
13-Sep-05	21.75	22.10	34.72	35.28
14-Sep-05	22.45	22.70	35.74	36.13
15-Sep-05	22.70	22.95	36.19	36.59
16-Sep-05	22.05	22.35	35.14	35.61
19-Sep-05	22.60	22.95	35.80	36.36
20-Sep-05	22.05	22.40	34.88	35.43
21-Sep-05	22.00	20.81	34.86	32.98
22-Sep-05	22.30	20.75	35.52	33.05
23-Sep-05	22.05	19.38	35.06	30.81
26-Sep-05	21.60	18.88	34.45	30.10
27-Sep-05	22.05	19.30	35.03	30.66
28-Sep-05	22.75	20.25	36.08	32.11
29-Sep-05	22.90	20.25	36.25	32.05
30-Sep-05	22.85	20.60	36.02	32.47
03-Oct-05	22.75	20.85	35.50	32.53
04-Oct-05	23.30	21.80	36.35	34.01
05-Oct-05	23.80	22.13	37.62	34.98
06-Oct-05	23.60	22.68	37.89	36.40
07-Oct-05	23.05	22.09	36.93	35.39
10-Oct-05	23.05	22.75	36.64	36.17
11-Oct-05	23.15	22.68	36.89	36.14
12-Oct-05	23.50	23.03	37.41	36.65
13-Oct-05	23.45	23.28	37.55	37.27
14-Oct-05	23.05	22.80	37.02	36.62
17-Oct-05	23.10	22.95	37.07	36.82
18-Oct-05	22.85	22.53	36.52	36.00
19-Oct-05	22.40	22.38	35.78	35.74
20-Oct-05	22.10	21.88	35.29	34.93
21-Oct-05	21.80	21.68	34.80	34.60
24-Oct-05	21.45	21.00	34.24	33.52
25-Oct-05	21.40	21.15	34.21	33.81
26-Oct-05	21.65	20.93	34.62	33.46
27-Oct-05	21.85	21.25	35.02	34.05
28-Oct-05	22.10	21.35	35.55	34.34
31-Oct-05	21.90	21.50	35.13	34.48
01-Nov-05	21.75	20.78	35.03	33.46
02-Nov-05	21.35	20.61	34.69	33.49
03-Nov-05	21.25	19.91	34.37	32.21
04-Nov-05	21.35	20.25	34.40	32.63
07-Nov-05	21.60	20.40	34.76	32.83
08-Nov-05	22.05	20.84	35.35	33.40
09-Nov-05	22.50	20.59	35.91	32.86
10-Nov-05	22.70	20.78	36.39	33.30
11-Nov-05	22.70	20.70	36.26	33.06
14-Nov-05	23.15	21.63	37.19	34.74

15-Nov-05	22.90	20.88	36.60	33.36
16-Nov-05	22.75	20.50	36.36	32.77
17-Nov-05	22.45	20.30	35.89	32.45
18-Nov-05	21.65	20.25	34.75	32.50
21-Nov-05	21.70	19.50	34.56	31.06
22-Nov-05	22.20	20.13	35.51	32.19
23-Nov-05	21.60	19.01	34.54	30.40
24-Nov-05	19.90	17.85	31.72	28.45
25-Nov-05	20.15	18.55	32.07	29.53
28-Nov-05	20.50	18.55	32.66	29.55
29-Nov-05	19.90	18.50	31.75	29.52
30-Nov-05	20.15	18.35	32.12	29.25
01-Dec-05	20.55	18.50	32.44	29.20
02-Dec-05	21.80	18.25	34.10	28.54
05-Dec-05	22.70	19.55	35.62	30.68
06-Dec-05	23.40	19.85	36.60	31.05
07-Dec-05	22.90	19.55	35.89	30.64
08-Dec-05	22.05	18.86	34.72	29.70
09-Dec-05	21.70	19.35	34.11	30.41
12-Dec-05	22.35	19.50	35.38	30.87
13-Dec-05	22.70	20.13	35.90	31.83
14-Dec-05	22.45	19.78	35.62	31.38
15-Dec-05	22.40	19.80	35.84	31.68
16-Dec-05	22.10	19.50	35.68	31.48
19-Dec-05	22.10	19.60	35.79	31.74
20-Dec-05	21.95	19.48	35.53	31.53
21-Dec-05	21.85	19.38	35.26	31.26
22-Dec-05	21.65	19.35	35.17	31.43
23-Dec-05	21.35	18.95	34.80	30.89
27-Dec-05	21.65	19.25	35.41	31.48
28-Dec-05	21.85	19.40	35.52	31.54
29-Dec-05	22.05	19.80	35.63	32.00
30-Dec-05	22.10	19.60	35.60	31.58
03-Jan-06	22.75	19.95	36.86	32.32
04-Jan-06	23.05	20.30	37.34	32.88
05-Jan-06	23.45	20.30	37.91	32.82
06-Jan-06	24.00	21.15	38.64	34.05
09-Jan-06	23.70	20.35	37.99	32.62
10-Jan-06	23.80	20.60	38.33	33.18
11-Jan-06	23.80	20.60	38.15	33.02
12-Jan-06	24.00	20.75	38.43	33.23
13-Jan-06	24.00	20.90	38.59	33.61
16-Jan-06	24.05	21.15	38.61	33.96
17-Jan-06	25.25	21.93	40.57	35.23
18-Jan-06	26.45	22.70	42.77	36.70
19-Jan-06	26.65	22.78	43.07	36.81
20-Jan-06	27.90	23.05	45.26	37.39
23-Jan-06	26.90	22.98	43.91	37.50
24-Jan-06	26.35	22.28	43.08	36.42
25-Jan-06	26.70	22.68	43.42	36.87
26-Jan-06	27.45	23.08	44.51	37.42
27-Jan-06	26.90	23.18	43.36	37.35
30-Jan-06	27.50	24.50	44.36	39.52
31-Jan-06	27.55	25.25	44.32	40.62
01-Feb-06	28.05	26.49	44.93	42.42
02-Feb-06	28.55	27.04	45.78	43.35
03-Feb-06	28.85	27.30	46.25	43.77
06-Feb-06	28.70	29.10	46.24	46.88
07-Feb-06	27.65	28.18	44.65	45.50
08-Feb-06	27.15	27.63	43.82	44.59
09-Feb-06	27.45	28.25	44.42	45.71
10-Feb-06	27.30	28.39	44.09	45.85
13-Feb-06	27.20	27.90	43.79	44.91
14-Feb-06	27.35	27.90	44.03	44.91
15-Feb-06	27.60	27.88	44.43	44.87
16-Feb-06	27.95	29.36	44.97	47.24
17-Feb-06	27.70	29.15	44.72	47.07
20-Feb-06	28.10	28.80	45.25	46.38
21-Feb-06	28.30	28.63	45.64	46.16
22-Feb-06	28.20	28.24	45.61	45.67
23-Feb-06	27.65	25.33	44.62	40.86
24-Feb-06	27.65	26.00	44.39	41.74
27-Feb-06	27.20	25.83	43.70	41.49

28-Feb-06	27.40	25.75	43.97	41.32
01-Mar-06	27.85	25.48	44.56	40.76
02-Mar-06	28.15	25.25	45.23	40.57
03-Mar-06	28.05	25.45	45.31	41.11
06-Mar-06	28.05	25.49	45.51	41.35
07-Mar-06	27.60	24.75	44.68	40.06
08-Mar-06	27.75	25.20	45.11	40.97
09-Mar-06	27.70	24.95	44.95	40.49
10-Mar-06	27.90	24.95	45.41	40.61
13-Mar-06	28.45	25.36	46.34	41.31
14-Mar-06	28.25	25.35	46.07	41.34
15-Mar-06	28.05	25.45	45.78	41.54
16-Mar-06	27.70	25.25	45.76	41.71
17-Mar-06	27.95	25.28	46.76	42.29
20-Mar-06	28.15	25.38	47.47	42.79
21-Mar-06	28.10	25.53	47.35	43.01
22-Mar-06	28.15	25.93	47.28	43.54
23-Mar-06	28.20	25.88	47.22	43.33
24-Mar-06	27.95	25.95	47.45	44.05
27-Mar-06	27.80	25.63	47.34	43.63
28-Mar-06	27.95	25.88	47.60	44.06
29-Mar-06	28.20	27.13	47.95	46.12
30-Mar-06	28.35	28.45	48.17	48.34
31-Mar-06	28.40	28.34	48.10	48.00
03-Apr-06	28.35	28.40	48.11	48.20
04-Apr-06	28.85	28.75	49.07	48.90
05-Apr-06	29.80	28.95	50.34	48.90
06-Apr-06	30.35	29.23	50.76	48.87
07-Apr-06	29.85	29.40	49.73	48.98
10-Apr-06	30.00	29.50	49.80	48.97
11-Apr-06	30.45	30.83	50.41	51.03
12-Apr-06	30.35	31.38	50.13	51.82
13-Apr-06	30.15	31.63	50.15	52.60
18-Apr-06	30.30	31.78	50.29	52.74
19-Apr-06	31.50	33.81	52.19	56.02
20-Apr-06	31.50	33.88	52.58	56.55
21-Apr-06	30.95	32.43	51.27	53.71
24-Apr-06	30.75	32.75	51.21	54.54
25-Apr-06	30.95	32.55	51.61	54.27
26-Apr-06	28.30	31.18	46.79	51.55
27-Apr-06	20.75	23.78	34.36	39.37
28-Apr-06	17.30	23.13	28.75	38.43
01-May-06	14.25	20.05	23.62	33.23
02-May-06	13.95	19.75	23.09	32.70
03-May-06	11.95	19.70	19.59	32.29
04-May-06	12.85	21.30	21.15	35.05
05-May-06	14.85	23.53	24.48	38.79
08-May-06	13.20	21.49	21.82	35.52
09-May-06	12.65	21.43	20.84	35.30
10-May-06	12.75	19.99	21.03	32.97
11-May-06	13.65	20.76	22.56	34.31
12-May-06	13.40	20.84	22.38	34.80
15-May-06	9.80	19.01	16.48	31.97
16-May-06	15.75	22.95	26.37	38.42
17-May-06	17.35	23.20	29.13	38.95
18-May-06	16.25	23.65	27.28	39.70
19-May-06	16.25	23.44	27.40	39.52
22-May-06	16.95	23.56	28.96	40.26
23-May-06	18.95	25.49	32.20	43.31
24-May-06	20.45	25.55	34.68	43.33
25-May-06	19.75	25.13	33.20	42.24
26-May-06	19.85	25.63	33.31	43.01
30-May-06	19.55	25.54	32.99	43.10
31-May-06	18.50	24.89	31.50	42.37
01-Jun-06	17.40	23.88	29.77	40.86
02-Jun-06	17.00	22.93	29.21	39.39
05-Jun-06	17.05	22.75	29.40	39.23
06-Jun-06	16.65	22.45	28.85	38.90
07-Jun-06	16.30	22.28	28.17	38.49
08-Jun-06	15.60	21.60	26.62	36.86
09-Jun-06	14.60	21.00	24.65	35.46
12-Jun-06	14.60	20.75	24.64	35.01
13-Jun-06	15.60	21.85	26.52	37.15

14-Jun-06	15.50	21.65	26.51	37.03
15-Jun-06	15.50	20.85	26.35	35.44
16-Jun-06	15.50	21.03	26.50	35.95
19-Jun-06	15.65	20.85	26.71	35.59
20-Jun-06	15.90	21.83	27.11	37.22
21-Jun-06	16.60	22.25	28.43	38.10
22-Jun-06	16.05	21.75	27.49	37.26
23-Jun-06	16.15	21.85	27.61	37.35
26-Jun-06	16.05	21.71	27.59	37.32
27-Jun-06	15.60	21.01	26.78	36.07
28-Jun-06	15.75	21.33	27.10	36.70
29-Jun-06	16.20	21.43	27.75	36.70
30-Jun-06	16.55	21.28	28.48	36.61
03-Jul-06	16.55	21.08	28.54	36.34
04-Jul-06	16.85	21.13	28.94	36.29
05-Jul-06	16.85	20.50	28.90	35.16
06-Jul-06	16.65	20.39	28.51	34.91
07-Jul-06	17.05	20.83	29.04	35.47
10-Jul-06	16.80	20.95	28.66	35.73
11-Jul-06	16.95	21.15	28.74	35.87
12-Jul-06	17.10	21.53	28.88	36.35
13-Jul-06	17.05	21.55	28.68	36.25
14-Jul-06	17.15	21.60	28.79	36.27
17-Jul-06	17.50	21.53	29.31	36.05
18-Jul-06	18.05	21.75	30.25	36.45
19-Jul-06	17.70	21.60	29.73	36.28
20-Jul-06	17.20	21.43	28.91	36.01
21-Jul-06	17.55	21.43	29.61	36.15
24-Jul-06	17.40	21.30	29.10	35.62
25-Jul-06	17.30	21.00	28.90	35.08
26-Jul-06	17.00	20.73	28.35	34.56
27-Jul-06	17.15	20.45	28.56	34.06
28-Jul-06	17.35	20.35	28.83	33.82
31-Jul-06	16.90	19.75	28.15	32.90
01-Aug-06	16.85	20.15	28.22	33.75
02-Aug-06	17.05	20.20	28.54	33.81
03-Aug-06	17.15	19.94	28.84	33.53
04-Aug-06	16.60	19.08	27.91	32.08
07-Aug-06	15.90	18.43	26.74	30.98
08-Aug-06	16.45	19.13	27.75	32.26
09-Aug-06	16.55	19.35	27.78	32.48
10-Aug-06	16.50	19.40	27.52	32.35
11-Aug-06	16.30	19.30	27.07	32.06
14-Aug-06	16.50	19.13	27.64	32.04
15-Aug-06	16.25	19.03	27.15	31.79
16-Aug-06	16.25	19.05	27.16	31.84
17-Aug-06	16.40	19.28	27.64	32.48
18-Aug-06	16.45	19.03	27.80	32.16
21-Aug-06	16.55	19.38	27.95	32.72
22-Aug-06	17.35	19.64	29.15	32.99
23-Aug-06	17.60	19.70	29.52	33.04
24-Aug-06	17.40	19.80	29.16	33.18
25-Aug-06	16.90	19.40	28.49	32.71
28-Aug-06	17.00	19.55	28.62	32.92
29-Aug-06	16.90	19.45	28.37	32.65
30-Aug-06	16.60	19.40	27.88	32.59
31-Aug-06	16.30	19.30	27.36	32.40
01-Sep-06	16.50	19.35	27.62	32.39
04-Sep-06	16.50	19.35	27.55	32.31
05-Sep-06	16.90	19.65	28.06	32.62
06-Sep-06	17.10	19.70	28.58	32.93
07-Sep-06	17.15	19.63	28.78	32.93
08-Sep-06	17.05	19.53	28.63	32.79
11-Sep-06	16.95	19.59	28.68	33.14
12-Sep-06	16.80	19.35	28.40	32.72
13-Sep-06	16.90	19.45	28.49	32.78
14-Sep-06	16.80	19.33	28.31	32.57
15-Sep-06	16.80	19.33	28.27	32.51
18-Sep-06	16.75	19.20	28.16	32.28
19-Sep-06	16.75	19.36	28.21	32.61
20-Sep-06	16.25	18.94	27.38	31.91
21-Sep-06	14.70	18.00	24.83	30.40
22-Sep-06	14.00	17.58	23.85	29.94

25-Sep-06	13.85	17.55	23.44	29.71
26-Sep-06	13.25	17.38	22.38	29.35
27-Sep-06	12.35	16.58	20.89	28.04
28-Sep-06	12.45	16.83	21.12	28.54
29-Sep-06	12.90	17.08	21.94	29.04
02-Oct-06	13.30	17.53	22.64	29.83
03-Oct-06	12.50	16.75	21.42	28.70
04-Oct-06	12.30	16.90	20.96	28.79
05-Oct-06	12.30	17.28	20.91	29.37
06-Oct-06	12.45	17.78	21.11	30.13
09-Oct-06	12.40	17.73	20.99	30.00
10-Oct-06	12.65	17.78	21.29	29.92
11-Oct-06	12.75	17.38	21.49	29.29
12-Oct-06	12.75	17.18	21.31	28.70
13-Oct-06	12.65	16.48	21.07	27.44
16-Oct-06	12.75	16.54	21.18	27.47
17-Oct-06	12.80	16.55	21.29	27.52
18-Oct-06	13.00	16.70	21.59	27.73
19-Oct-06	13.15	16.78	21.85	27.87
20-Oct-06	13.05	16.98	21.69	28.22
23-Oct-06	13.05	17.38	21.63	28.80
24-Oct-06	12.75	17.68	21.12	29.28
25-Oct-06	12.80	17.70	21.20	29.31
26-Oct-06	12.35	17.00	20.50	28.22
27-Oct-06	12.40	17.20	20.54	28.50
30-Oct-06	12.15	17.13	20.08	28.30
31-Oct-06	11.05	16.68	18.21	27.48
01-Nov-06	11.25	16.83	18.51	27.69
02-Nov-06	11.25	17.13	18.55	28.24
03-Nov-06	10.95	17.08	18.08	28.19
06-Nov-06	10.80	17.23	17.81	28.41
07-Nov-06	10.55	17.38	17.42	28.69
08-Nov-06	9.85	17.03	15.99	28.20
09-Nov-06	9.70	17.13	16.18	28.57
10-Nov-06	9.70	17.45	16.24	29.22
13-Nov-06	8.95	17.05	15.03	28.63
14-Nov-06	8.70	17.15	14.58	28.73
15-Nov-06	9.40	16.83	15.75	28.19
16-Nov-06	9.25	17.28	15.42	28.80
17-Nov-06	8.90	17.38	14.84	28.97
20-Nov-06	8.75	17.53	14.54	29.13
21-Nov-06	9.00	18.48	14.98	30.75
22-Nov-06	9.10	18.83	15.17	31.38
23-Nov-06	8.90	18.68	14.87	31.20
24-Nov-06	9.00	18.78	15.13	31.56
27-Nov-06	9.20	19.78	15.52	33.35
28-Nov-06	9.20	20.33	15.47	34.17
29-Nov-06	8.90	19.23	14.94	32.26
30-Nov-06	8.40	19.83	14.11	33.29
01-Dec-06	8.20	19.63	13.83	33.10
04-Dec-06	7.85	21.03	12.91	35.48
05-Dec-06	7.25	20.64	12.28	34.96
06-Dec-06	6.85	20.13	11.58	34.01
07-Dec-06	7.10	20.18	11.94	33.94
08-Dec-06	7.55	19.63	12.69	32.99
11-Dec-06	7.30	20.08	12.32	33.87
12-Dec-06	7.10	19.58	11.99	33.05
13-Dec-06	6.85	18.86	11.51	31.70
14-Dec-06	6.60	18.40	11.09	30.91
15-Dec-06	6.60	18.39	11.04	30.76
18-Dec-06	6.60	18.51	11.07	31.05
19-Dec-06	6.70	18.63	11.28	31.35
20-Dec-06	6.65	18.48	11.14	30.96
21-Dec-06	6.60	18.43	11.08	30.93
22-Dec-06	6.60	18.74	11.40	31.40
26-Dec-06	6.95	19.13	11.64	32.02
27-Dec-06	6.95	19.13	11.64	32.02
28-Dec-06	6.70	19.58	11.17	32.64
29-Dec-06	6.70	19.53	11.21	32.65
02-Jan-07	5.60	18.93	9.34	31.58
03-Jan-07	4.85	17.84	8.06	29.66
04-Jan-07	4.85	17.98	8.08	29.95
05-Jan-07	4.80	17.23	8.01	28.76

08-Jan-07	3.95	15.88	6.59	26.49
09-Jan-07	3.50	16.13	5.83	26.86
10-Jan-07	3.85	16.33	6.41	27.17
11-Jan-07	4.00	16.63	6.60	27.43
12-Jan-07	4.05	17.05	6.67	28.10
15-Jan-07	4.05	17.60	6.68	29.03
16-Jan-07	4.25	17.78	7.01	29.33
17-Jan-07	4.10	17.03	6.75	28.02
18-Jan-07	4.00	17.18	6.57	28.21
19-Jan-07	4.00	17.18	6.57	28.20
22-Jan-07	3.90	17.03	6.41	27.96
23-Jan-07	3.80	17.03	6.24	27.98
24-Jan-07	3.45	16.63	5.72	27.57
25-Jan-07	3.30	16.75	5.51	27.98
26-Jan-07	3.05	16.96	5.09	28.32
29-Jan-07	2.50	16.94	4.20	28.44
30-Jan-07	2.45	16.78	4.11	28.14
31-Jan-07	2.35	16.71	3.95	28.06
01-Feb-07	2.25	16.79	3.78	28.23
02-Feb-07	2.00	16.13	3.35	26.97
05-Feb-07	1.80	16.33	3.00	27.18
06-Feb-07	1.50	16.23	2.50	27.09
07-Feb-07	1.35	15.83	2.26	26.46
08-Feb-07	1.50	15.18	2.50	25.31
09-Feb-07	1.65	15.48	2.76	25.90
12-Feb-07	1.30	15.58	2.18	26.13
13-Feb-07	1.25	15.08	2.09	25.23
14-Feb-07	1.20	14.98	2.01	25.08
15-Feb-07	1.15	15.03	1.93	25.16
16-Feb-07	1.15	15.08	1.92	25.16
19-Feb-07	0.80	14.13	1.34	23.61
20-Feb-07	0.90	13.56	1.51	22.68
21-Feb-07	0.95	14.28	1.58	23.71
22-Feb-07	0.90	14.43	1.50	23.99
23-Feb-07	0.95	15.88	1.58	26.40
26-Feb-07	1.00	16.68	1.66	27.70
27-Feb-07	1.00	16.44	1.67	27.48
28-Feb-07	0.95	16.28	1.59	27.30
01-Mar-07	1.00	16.55	1.68	27.78
02-Mar-07	1.10	16.23	1.85	27.35
05-Mar-07	1.00	15.03	1.70	25.52
06-Mar-07	1.05	15.06	1.78	25.51
07-Mar-07	1.15	15.63	1.94	26.42
08-Mar-07	1.15	16.11	1.94	27.20
09-Mar-07	1.35	16.14	2.27	27.12
12-Mar-07	1.35	16.48	2.27	27.67
13-Mar-07	1.25	16.50	2.10	27.77
14-Mar-07	1.25	16.46	2.11	27.74
15-Mar-07	1.25	16.93	2.09	28.36
16-Mar-07	1.20	16.83	2.01	28.12
19-Mar-07	1.05	16.98	1.75	28.25
20-Mar-07	1.05	17.88	1.74	29.62
21-Mar-07	1.05	17.83	1.74	29.53
22-Mar-07	1.00	17.79	1.65	29.39
23-Mar-07	1.00	17.69	1.65	29.17
26-Mar-07	1.00	18.63	1.65	30.65
27-Mar-07	1.04	18.33	1.72	30.26
28-Mar-07	1.20	18.65	1.98	30.84
29-Mar-07	1.36	18.82	2.25	31.11
30-Mar-07	1.31	18.86	2.16	31.12
02-Apr-07	1.03	18.18	1.69	29.75
03-Apr-07	0.90	17.25	1.48	28.29
04-Apr-07	0.85	17.49	1.39	28.54
05-Apr-07	0.83	17.96	1.36	29.40
09-Apr-07	0.83	17.42	1.36	28.47
10-Apr-07	0.83	18.01	1.35	29.28
11-Apr-07	0.80	18.41	1.30	29.97
12-Apr-07	0.80	18.81	1.30	30.58
13-Apr-07	0.76	19.14	1.23	31.08
16-Apr-07	0.72	19.20	1.17	31.21
17-Apr-07	0.68	19.15	1.10	31.06
18-Apr-07	0.56	18.86	0.91	30.60
19-Apr-07	0.51	18.52	0.83	30.17

20-Apr-07	0.63	18.76	1.02	30.44
23-Apr-07	0.68	19.34	1.11	31.53
24-Apr-07	0.68	19.34	1.12	31.90
25-Apr-07	0.64	19.52	1.05	31.92
26-Apr-07	0.54	19.39	0.89	31.92
27-Apr-07	0.53	19.49	0.87	32.03
30-Apr-07	0.53	20.34	0.87	33.41
01-May-07	0.58	20.67	0.95	33.96
02-May-07	0.56	20.19	0.92	33.25
03-May-07	0.54	20.08	0.89	33.01
04-May-07	0.54	20.28	0.89	33.55
07-May-07	0.53	20.70	0.87	34.12
08-May-07	0.47	20.66	0.77	33.77
09-May-07	0.40	20.66	0.65	33.74
10-May-07	0.30	20.33	0.49	33.11
11-May-07	0.32	20.77	0.52	33.78
14-May-07	0.33	21.38	0.54	34.79
15-May-07	0.29	21.68	0.47	35.35
16-May-07	0.33	21.92	0.54	35.97
17-May-07	0.30	22.45	0.49	36.77
18-May-07	0.28	22.86	0.46	37.47
21-May-07	0.30	23.02	0.49	37.73
22-May-07	0.29	22.75	0.48	37.34
23-May-07	0.29	23.08	0.47	37.71
24-May-07	0.29	24.32	0.48	39.89
25-May-07	0.29	25.09	0.48	41.23
28-May-07	0.30	25.16	0.49	41.30
29-May-07	0.27	26.20	0.44	43.05
30-May-07	0.27	24.05	0.44	39.26
31-May-07	0.29	23.85	0.47	38.74
01-Jun-07	0.29	24.90	0.47	40.21
04-Jun-07	0.29	25.55	0.47	41.30
05-Jun-07	0.28	24.19	0.45	39.04
06-Jun-07	0.29	24.23	0.47	38.93
07-Jun-07	0.27	23.60	0.43	37.66
08-Jun-07	0.27	23.94	0.43	37.91
11-Jun-07	0.25	23.58	0.40	37.31
12-Jun-07	0.24	23.64	0.38	37.38
13-Jun-07	0.22	24.63	0.35	39.02
14-Jun-07	0.19	24.63	0.30	39.20
15-Jun-07	0.17	23.75	0.27	37.74
18-Jun-07	0.14	22.67	0.22	36.03
19-Jun-07	0.14	22.04	0.22	34.96
20-Jun-07	0.13	22.75	0.21	36.12
21-Jun-07	0.12	22.59	0.19	35.69
22-Jun-07	0.12	22.78	0.19	36.24
25-Jun-07	0.11	22.10	0.18	35.16
26-Jun-07	0.13	21.99	0.21	34.97
27-Jun-07	0.13	22.30	0.21	35.79
28-Jun-07	0.14	23.15	0.22	36.75
29-Jun-07	0.13	23.21	0.21	37.05
02-Jul-07	0.14	22.62	0.22	35.87
03-Jul-07	0.13	22.10	0.21	35.19
04-Jul-07	0.13	22.02	0.21	34.95
05-Jul-07	0.14	22.37	0.22	35.51
06-Jul-07	0.15	22.78	0.24	36.17
09-Jul-07	0.14	21.98	0.22	34.82
10-Jul-07	0.14	21.89	0.22	34.88
11-Jul-07	0.14	21.55	0.22	34.37
12-Jul-07	0.13	20.70	0.21	32.96
13-Jul-07	0.13	20.82	0.21	33.00
16-Jul-07	0.13	19.78	0.21	31.27
17-Jul-07	0.14	20.11	0.22	31.75
18-Jul-07	0.13	19.86	0.20	31.23
19-Jul-07	0.12	20.29	0.19	31.83
20-Jul-07	0.13	20.54	0.20	32.28
23-Jul-07	0.12	20.17	0.19	31.52
24-Jul-07	0.12	20.27	0.19	31.77
25-Jul-07	0.12	20.94	0.19	32.51
26-Jul-07	0.12	21.04	0.19	33.18
27-Jul-07	0.12	21.22	0.19	33.96
30-Jul-07	0.11	21.83	0.18	34.96
31-Jul-07	0.12	22.11	0.19	35.54

01-Aug-07	0.11	21.47	0.18	34.42
02-Aug-07	0.09	21.69	0.14	34.63
03-Aug-07	0.09	21.41	0.15	34.50
06-Aug-07	0.09	20.62	0.14	33.12
07-Aug-07	0.09	21.04	0.14	33.77
08-Aug-07	0.10	20.94	0.16	33.51
09-Aug-07	0.10	20.69	0.16	33.28
10-Aug-07	0.10	20.08	0.16	32.55
13-Aug-07	0.10	20.59	0.16	33.25
14-Aug-07	0.11	20.50	0.18	33.24
15-Aug-07	0.11	20.81	0.18	34.09
16-Aug-07	0.11	20.50	0.19	34.75
17-Aug-07	0.11	20.62	0.19	34.86
20-Aug-07	0.11	20.50	0.18	34.26
21-Aug-07	0.11	20.71	0.18	34.80
22-Aug-07	0.11	20.27	0.18	34.02
23-Aug-07	0.11	20.55	0.18	33.98
24-Aug-07	0.11	20.36	0.18	33.66
27-Aug-07	0.11	20.11	0.18	33.10
28-Aug-07	0.11	20.99	0.18	34.99
29-Aug-07	0.10	21.40	0.17	35.62
30-Aug-07	0.11	20.87	0.18	34.91
31-Aug-07	0.10	20.89	0.17	34.76
03-Sep-07	0.10	21.27	0.17	35.30
04-Sep-07	0.10	22.39	0.17	36.95
05-Sep-07	0.10	21.75	0.17	36.08
06-Sep-07	0.10	22.03	0.17	36.36
07-Sep-07	0.10	21.97	0.17	36.57
10-Sep-07	0.09	21.81	0.15	36.46
11-Sep-07	0.08	22.27	0.13	36.91
12-Sep-07	0.09	22.60	0.15	37.28
13-Sep-07	0.07	22.04	0.12	36.37
14-Sep-07	0.07	22.17	0.12	36.50
17-Sep-07	0.07	21.95	0.12	36.57
18-Sep-07	0.06	22.09	0.10	36.25
19-Sep-07	0.08	22.52	0.13	36.72
20-Sep-07	0.08	22.90	0.13	37.37
21-Sep-07	0.08	22.99	0.13	37.44
24-Sep-07	0.08	22.98	0.13	37.28
25-Sep-07	0.08	22.59	0.13	36.58
26-Sep-07	0.08	22.47	0.13	36.24
27-Sep-07	0.08	22.77	0.13	36.57
28-Sep-07	0.08	22.85	0.13	36.69
01-Oct-07	0.07	22.84	0.11	36.35
02-Oct-07	0.08	22.99	0.13	36.78
03-Oct-07	0.07	22.74	0.11	36.32
04-Oct-07	0.07	23.03	0.11	36.66
05-Oct-07	0.11	23.05	0.17	36.28
08-Oct-07	0.07	23.08	0.11	36.31
09-Oct-07	0.07	23.15	0.11	36.30
10-Oct-07	0.07	23.71	0.11	37.37
11-Oct-07	0.07	23.85	0.11	37.59
12-Oct-07	0.07	23.87	0.11	37.43
15-Oct-07	0.07	24.04	0.11	38.01
16-Oct-07	0.07	24.25	0.11	38.74
17-Oct-07	0.07	24.44	0.11	38.99
18-Oct-07	0.07	24.28	0.11	38.74
19-Oct-07	0.07	24.02	0.11	38.51
22-Oct-07	0.07	23.56	0.11	37.75
23-Oct-07	0.07	23.74	0.11	37.70
24-Oct-07	0.07	23.95	0.11	37.88
25-Oct-07	0.07	24.25	0.11	38.23
26-Oct-07	0.07	24.16	0.11	37.86
29-Oct-07	0.07	24.33	0.11	38.10
30-Oct-07	0.07	23.60	0.11	37.00
31-Oct-07	0.09	23.70	0.14	36.81
01-Nov-07	0.08	23.12	0.13	36.41
02-Nov-07	0.08	22.92	0.13	36.09
05-Nov-07	0.07	22.89	0.11	36.01
06-Nov-07	0.07	22.86	0.11	35.92
07-Nov-07	0.10	23.00	0.16	36.19
08-Nov-07	0.11	23.01	0.17	36.52
09-Nov-07	0.10	23.20	0.16	37.19

12-Nov-07	0.10	23.29	0.16	38.35
13-Nov-07	0.10	23.72	0.16	38.88
14-Nov-07	0.09	24.44	0.15	39.85
15-Nov-07	0.09	24.07	0.15	39.61
16-Nov-07	0.08	24.04	0.13	39.52
19-Nov-07	0.08	24.29	0.13	40.26
20-Nov-07	0.07	25.27	0.12	42.33
21-Nov-07	0.07	25.17	0.12	42.81
22-Nov-07	0.08	25.15	0.14	42.88
23-Nov-07	0.08	25.16	0.14	42.62
26-Nov-07	0.07	25.28	0.12	42.97
27-Nov-07	0.07	24.98	0.12	42.39
28-Nov-07	0.07	24.76	0.12	41.28
29-Nov-07	0.04	24.18	0.07	40.52
30-Nov-07	0.01	23.83	0.02	39.60
03-Dec-07	0.03	24.45	0.05	40.69
04-Dec-07	0.03	24.92	0.05	42.07
05-Dec-07	0.03	24.32	0.05	40.87
06-Dec-07	0.03	24.27	0.05	40.60
07-Dec-07	0.03	23.79	0.05	39.70
10-Dec-07	0.03	23.90	0.05	39.76
11-Dec-07	0.03	23.99	0.05	39.71
12-Dec-07	0.03	24.16	0.05	40.23
13-Dec-07	0.03	24.28	0.05	40.50
14-Dec-07	0.03	24.11	0.05	40.33
17-Dec-07	0.01	23.80	0.02	39.89
18-Dec-07		24.07		40.40
19-Dec-07		23.95		40.10
20-Dec-07		23.78		39.74
21-Dec-07		23.46		38.89
24-Dec-07		23.48		38.83
27-Dec-07		23.36		38.93
28-Dec-07		23.67		39.85
31-Dec-07		23.89		39.78
02-Jan-08		24.42		40.75
03-Jan-08		25.04		41.90
04-Jan-08		25.04		42.31
07-Jan-08		25.16		42.48
08-Jan-08		25.20		41.95
09-Jan-08		24.92		41.53
10-Jan-08		24.61		40.73
11-Jan-08		24.55		40.73
14-Jan-08		24.89		41.24
15-Jan-08		24.66		41.12
16-Jan-08		24.23		40.44
17-Jan-08		23.66		39.38
18-Jan-08		23.72		39.48
21-Jan-08		22.26		37.33
22-Jan-08		21.74		36.54
23-Jan-08		21.45		36.05
24-Jan-08		21.17		35.52
25-Jan-08		22.44		37.45
28-Jan-08		22.06		36.77
29-Jan-08		22.11		36.79
30-Jan-08		21.50		35.77
31-Jan-08		20.52		33.96
01-Feb-08		20.62		33.85
04-Feb-08		20.60		33.62
05-Feb-08		20.26		33.07
06-Feb-08		21.42		34.95
07-Feb-08		21.86		35.37
08-Feb-08		21.86		35.43
11-Feb-08		21.62		34.70
12-Feb-08		21.46		34.60
13-Feb-08		21.42		34.92
14-Feb-08		22.22		35.99
15-Feb-08		22.38		36.18
18-Feb-08		22.44		36.02
19-Feb-08		23.17		37.04
20-Feb-08		23.02		36.88
21-Feb-08		23.24		37.45
22-Feb-08		23.02		37.01
25-Feb-08		23.12		37.08

26-Feb-08	22.90		36.72	
27-Feb-08	22.84		36.69	
28-Feb-08	22.73		36.42	
29-Feb-08	22.93		37.25	
03-Mar-08	22.52		36.40	
04-Mar-08	22.34		36.81	
05-Mar-08	22.94		37.61	
06-Mar-08	23.04		38.16	
07-Mar-08	23.08		38.13	
10-Mar-08	23.47		39.23	
11-Mar-08	23.57		39.00	
12-Mar-08	23.67		39.27	
13-Mar-08	24.29		40.02	
14-Mar-08	23.97	15.39	40.07	25.73
17-Mar-08	23.11	14.83	39.58	25.39
18-Mar-08	23.39	15.04	39.57	25.45
19-Mar-08	23.30	14.99	39.72	25.56
20-Mar-08	23.72	15.35	40.67	26.32
25-Mar-08	24.30	15.73	41.36	26.77
26-Mar-08	24.25	15.66	41.76	26.97
27-Mar-08	23.99	15.57	41.12	26.69
28-Mar-08	23.47	15.31	40.36	26.33
31-Mar-08	23.99	15.54	41.44	26.85
01-Apr-08	24.25	15.61	41.77	26.89
02-Apr-08	25.14	16.12	43.12	27.64
03-Apr-08	25.22	16.15	43.12	27.61
04-Apr-08	25.07	16.13	42.72	27.49
07-Apr-08	25.59	16.15	43.37	27.38
08-Apr-08	25.30	16.00	42.71	27.02
09-Apr-08	25.48	15.99	43.41	27.25
10-Apr-08	26.21	16.39	44.25	27.66
11-Apr-08	26.15	16.29	44.49	27.72
14-Apr-08	26.78	16.49	45.77	28.18
15-Apr-08	26.93	16.46	45.99	28.12
16-Apr-08	26.60	16.35	45.15	27.75
17-Apr-08	26.51	16.33	44.97	27.70
18-Apr-08	26.33	16.25	44.54	27.49
21-Apr-08	27.09	16.38	45.75	27.66
22-Apr-08	27.17	16.38	45.97	27.71
23-Apr-08	26.81	16.23	44.85	27.16
24-Apr-08	26.29	16.11	43.84	26.86
25-Apr-08	26.56	16.19	44.42	27.07
28-Apr-08	26.46	16.15	44.11	26.92
29-Apr-08	26.02	16.17	43.36	26.94
30-Apr-08	25.73	16.31	42.60	27.01
01-May-08	25.38	16.14	41.99	26.70
02-May-08	26.22	16.38	43.16	26.96
06-May-08	27.14	16.61	44.33	27.46
07-May-08	26.85	16.63	43.88	27.19
08-May-08	26.71	16.83	43.56	27.45
09-May-08	26.98	17.15	44.27	28.14
12-May-08	27.20	17.21	44.62	28.23
13-May-08	26.83	17.34	44.11	28.51
14-May-08	26.24	17.05	43.42	28.21
15-May-08	26.46	17.13	43.44	28.12
16-May-08	26.64	17.18	43.50	28.04
19-May-08	27.05	17.18	43.99	27.95
20-May-08	27.10	17.19	44.30	28.10
21-May-08	27.48	17.37	45.07	28.48
22-May-08	27.82	17.42	45.74	28.64
23-May-08	27.85	17.43	45.73	28.62
26-May-08	27.79	17.50	45.61	28.72
27-May-08	28.04	17.65	45.89	28.89
28-May-08	27.85	17.58	45.26	28.56
29-May-08	28.23	17.70	45.74	28.68
30-May-08	27.77	17.80	45.17	28.95
02-Jun-08	28.01	17.81	45.58	28.98
03-Jun-08	28.83	18.91	46.82	30.72
04-Jun-08	28.29	18.76	45.63	30.26
05-Jun-08	28.17	18.97	45.84	30.86
06-Jun-08	29.32	19.51	48.02	31.95
09-Jun-08	29.27	19.48	48.17	32.06
10-Jun-08	28.99	19.58	47.36	31.97

11-Jun-08	29.11	19.79	47.81	32.49
12-Jun-08	28.95	19.65	47.77	32.41
13-Jun-08	28.80	19.76	47.12	32.34
16-Jun-08	28.93	19.81	47.60	32.59
17-Jun-08	29.03	19.92	47.69	32.73
18-Jun-08	29.33	20.03	48.12	32.87
19-Jun-08	29.56	20.20	48.17	32.91
20-Jun-08	29.35	20.21	48.06	33.10
23-Jun-08	29.81	20.63	48.62	33.65
24-Jun-08	30.05	21.05	48.99	34.31
25-Jun-08	29.90	20.80	48.87	33.99
26-Jun-08	30.43	21.19	50.14	34.90
27-Jun-08	30.94	21.66	50.86	35.59
30-Jun-08	31.47	22.16	51.72	36.41
01-Jul-08	32.38	23.53	53.60	38.95
02-Jul-08	30.95	24.55	51.05	40.49
03-Jul-08	30.46	23.50	49.77	38.40
04-Jul-08	30.74	24.07	50.08	39.20
07-Jul-08	30.43	25.04	50.01	41.15
08-Jul-08	28.52	23.35	46.78	38.31
09-Jul-08	28.73	23.60	47.32	38.86
10-Jul-08	29.60	23.71	48.54	38.88
11-Jul-08	30.52	24.27	50.31	40.01
14-Jul-08	30.31	24.06	49.60	39.37
15-Jul-08	29.37	23.47	47.72	38.13
16-Jul-08	27.77	22.64	45.09	36.76
17-Jul-08	28.43	23.23	46.43	37.93
18-Jul-08	27.14	22.43	44.30	36.62
21-Jul-08	27.10	22.44	44.17	36.58
22-Jul-08	27.37	22.11	44.47	35.92
23-Jul-08	27.51	21.30	44.86	34.73
24-Jul-08	28.02	21.53	45.77	35.17
25-Jul-08	27.85	21.44	45.70	35.19
28-Jul-08	27.19	20.82	44.74	34.26
29-Jul-08	26.35	20.11	43.12	32.90
30-Jul-08	25.38	19.26	41.90	31.79
31-Jul-08	24.70	18.73	40.88	31.01
01-Aug-08	23.95	18.34	40.07	30.68
04-Aug-08	23.85	18.83	39.97	31.55
05-Aug-08	24.29	19.43	40.99	32.80
06-Aug-08	24.99	19.88	42.39	33.72
07-Aug-08	25.61	20.63	43.29	34.87
08-Aug-08	25.34	20.72	42.79	35.00
11-Aug-08	25.41	20.94	42.89	35.34
12-Aug-08	26.07	21.50	44.46	36.66
13-Aug-08	26.46	21.50	45.08	36.63
14-Aug-08	26.15	21.38	44.47	36.36
15-Aug-08	25.84	21.31	43.77	36.09
18-Aug-08	26.31	21.76	44.56	36.86
19-Aug-08	26.39	21.71	44.74	36.81
20-Aug-08	27.13	21.93	45.81	37.02
21-Aug-08	27.45	22.06	46.45	37.33
22-Aug-08	27.32	21.93	46.56	37.38
25-Aug-08	27.18	21.99	46.43	37.57
26-Aug-08	27.45	22.14	46.98	37.89
27-Aug-08	27.88	22.22	47.80	38.10
28-Aug-08	27.92	22.30	47.63	38.03
29-Aug-08	27.90	22.44	47.66	38.33
01-Sep-08	27.66	22.26	47.49	38.22
02-Sep-08	27.38	21.78	47.36	37.67
03-Sep-08	27.13	21.70	47.07	37.64
04-Sep-08	27.34	21.89	47.53	38.06
05-Sep-08	27.08	21.48	47.40	37.60
08-Sep-08	26.81	21.38	46.38	36.98
09-Sep-08	25.42	20.39	44.80	35.93
10-Sep-08	25.31	20.23	44.25	35.37
11-Sep-08	25.59	20.22	44.54	35.19
12-Sep-08	26.41	20.94	45.62	36.17
15-Sep-08	25.54	20.48	45.25	36.29
16-Sep-08	25.40	20.34	44.86	35.93
17-Sep-08	25.79	20.51	46.50	36.99
18-Sep-08	26.33	20.95	47.02	37.40
19-Sep-08	27.25	21.87	47.25	37.92

22-Sep-08	27.41	21.82	47.87	38.11
23-Sep-08	27.53	21.63	48.34	37.98
24-Sep-08	27.00	21.04	47.36	36.91
25-Sep-08	26.92	20.72	47.10	36.25
26-Sep-08	26.83	20.27	47.19	35.66
29-Sep-08	25.50	19.07	45.89	34.31
30-Sep-08	24.66	19.13	43.91	34.07
01-Oct-08	25.20	19.69	44.78	34.99
02-Oct-08	25.49	20.03	45.49	35.75
03-Oct-08	25.41	19.71	45.19	35.05
06-Oct-08	24.36	18.99	46.67	36.37
07-Oct-08	24.33	19.32	46.39	36.83
08-Oct-08	23.83	19.24	48.22	38.94
09-Oct-08	24.62	20.03	48.25	39.26
10-Oct-08	23.99	19.50	50.17	40.77
13-Oct-08	24.55	19.93	48.77	39.59
14-Oct-08	24.96	20.29	48.77	39.64
15-Oct-08	24.55	19.93	49.25	39.99
16-Oct-08	23.94	19.30	46.93	37.82
17-Oct-08	23.74	19.17	45.97	37.11
20-Oct-08	23.84	18.82	45.25	35.73
21-Oct-08	23.19	18.09	44.45	34.67
22-Oct-08	21.85	16.69	41.80	31.93
23-Oct-08	21.96	17.02	43.13	33.42
24-Oct-08	20.87	16.07	42.37	32.62
27-Oct-08	19.31	15.12	39.84	31.20
28-Oct-08	19.01	15.25	37.63	30.17
29-Oct-08	19.85	15.77	38.24	30.38
30-Oct-08	19.61	15.64	37.32	29.76
31-Oct-08	19.41	15.55	37.01	29.63
03-Nov-08	19.72	15.65	36.77	29.17
04-Nov-08	20.45	16.25	38.16	30.33
05-Nov-08	20.09	15.78	37.70	29.62
06-Nov-08	19.74	15.70	37.66	29.95
07-Nov-08	20.29	16.19	38.30	30.55
10-Nov-08	20.22	16.26	38.46	30.94
11-Nov-08	19.70	15.92	37.58	30.37
12-Nov-08	19.58	16.04	38.34	31.40
13-Nov-08	19.51	16.05	38.05	31.30
14-Nov-08	19.08	15.71	36.85	30.33
17-Nov-08	18.77	15.26	36.34	29.55
18-Nov-08	18.33	14.89	35.59	28.90
19-Nov-08	18.10	14.78	35.14	28.69
20-Nov-08	16.51	13.30	33.44	26.93
21-Nov-08	16.66	13.90	33.62	28.06
24-Nov-08	17.55	14.49	34.90	28.82
25-Nov-08	17.49	14.20	35.13	28.51
26-Nov-08	17.26	14.12	34.18	27.96
27-Nov-08	18.08	14.49	35.29	28.28
28-Nov-08	17.29	14.14	33.52	27.43
01-Dec-08	17.27	14.48	33.73	28.29
02-Dec-08	17.11	14.35	34.00	28.50
03-Dec-08	16.92	14.27	33.33	28.11
04-Dec-08	16.52	13.90	32.76	27.57
05-Dec-08	15.32	13.01	30.46	25.86
08-Dec-08	16.09	13.38	31.43	26.13
09-Dec-08	15.89	13.14	31.20	25.80
10-Dec-08	16.04	13.20	31.76	26.13
11-Dec-08	16.65	13.40	32.86	26.44
12-Dec-08	16.57	13.53	33.62	27.44
15-Dec-08	16.95	13.74	34.82	28.21
16-Dec-08	16.90	13.78	34.44	28.09
17-Dec-08	16.85	13.86	34.44	28.34
18-Dec-08	16.66	13.50	34.06	27.60
19-Dec-08	16.65	13.45	33.83	27.31
22-Dec-08	16.99	13.47	34.46	27.31
23-Dec-08	16.75	13.40	34.33	27.46
24-Dec-08	16.67	13.29	34.18	27.24
29-Dec-08	16.78	13.36	34.17	27.20
30-Dec-08	16.98	13.60	34.67	27.78
31-Dec-08	16.85	13.78	33.27	27.20
02-Jan-09	16.50	13.42	32.34	26.29
05-Jan-09	16.33	13.46	30.97	25.52

06-Jan-09	16.61	13.64	30.99	25.45
07-Jan-09	16.36	13.51	31.30	25.84
08-Jan-09	15.64	12.90	30.23	24.93
09-Jan-09	15.29	12.56	29.16	23.95
12-Jan-09	14.70	12.41	28.68	24.20
13-Jan-09	14.52	12.29	28.90	24.50
14-Jan-09	13.97	11.87	27.87	23.68
15-Jan-09	13.95	11.89	27.64	23.56
16-Jan-09	13.30	11.10	26.39	22.02
19-Jan-09	12.31	10.10	24.05	19.73
20-Jan-09	12.24	10.04	24.20	19.86
21-Jan-09	12.20	10.13	24.02	19.95
22-Jan-09	12.32	10.22	24.32	20.16
23-Jan-09	12.31	10.11	24.33	19.98
26-Jan-09	12.76	10.56	25.40	21.02
27-Jan-09	12.57	10.39	25.03	20.68
28-Jan-09	12.39	10.30	24.41	20.29
29-Jan-09	12.51	10.44	24.79	20.69
30-Jan-09	12.49	10.52	25.13	21.15
02-Feb-09	11.96	10.16	24.31	20.65
03-Feb-09	11.25	9.83	22.45	19.62
04-Feb-09	11.03	9.69	21.93	19.27
05-Feb-09	10.79	9.57	21.17	18.77
06-Feb-09	10.66	9.39	20.43	17.99
09-Feb-09	10.64	9.34	20.37	17.89
10-Feb-09	9.89	8.70	19.49	17.15
11-Feb-09	9.03	7.81	17.80	15.38
12-Feb-09	8.74	7.55	17.26	14.90
13-Feb-09	9.26	8.06	18.10	15.77
16-Feb-09	9.02	7.91	17.74	15.55
17-Feb-09	9.27	8.14	18.30	16.07
18-Feb-09	10.30	8.98	20.27	17.66
19-Feb-09	11.55	9.97	22.65	19.56
20-Feb-09	10.68	9.00	21.19	17.85
23-Feb-09	10.31	8.72	20.37	17.22
24-Feb-09	10.07	8.39	19.90	16.58
25-Feb-09	10.50	8.86	20.69	17.48
26-Feb-09	11.43	9.61	22.37	18.80
27-Feb-09	10.92	9.02	21.53	17.79
02-Mar-09	10.92	9.38	21.71	18.65
03-Mar-09	11.89	10.10	23.31	19.81
04-Mar-09	12.60	10.73	24.52	20.87
05-Mar-09	12.60	10.52	24.77	20.66
06-Mar-09	11.79	10.18	23.34	20.15
09-Mar-09	12.70	10.82	25.31	21.56
10-Mar-09	13.06	11.23	25.73	22.12
11-Mar-09	12.82	10.89	25.30	21.49
12-Mar-09	13.11	11.08	25.86	21.85
13-Mar-09	13.56	11.46	26.61	22.49
16-Mar-09	13.86	11.74	27.21	23.04
17-Mar-09	14.300	12.030	28.13	23.66
18-Mar-09	13.713	11.553	27.14	22.87
19-Mar-09	12.845	10.910		
20-Mar-09	12.308	10.503		
23-Mar-09	13.065	11.095		
24-Mar-09	12.385	10.455		
25-Mar-09	11.715	9.863		
26-Mar-09	12.068	10.055		
27-Mar-09	12.343	10.350		
31-Mar-09	12.923	10.753		
2-Apr-09	13.225	10.800		
3-Apr-09	13.618	10.998		
6-Apr-09	13.765	10.730		
7-Apr-09	13.398	10.388		
8-Apr-09	13.886	10.576		
9-Apr-09	14.463	10.890		
14-Apr-09	15.375	11.150		
15-Apr-09	14.978	11.185		
16-Apr-09	14.980	11.223		
17-Apr-09	14.865	11.228		
20-Apr-09	14.145	11.078		
21-Apr-09	14.268	11.185		
22-Apr-09	14.645	11.340		

23-Apr-09	14.530	11.568
24-Apr-09	14.850	11.750
27-Apr-09	14.710	11.750
29-Apr-09	14.813	11.778
30-Apr-09	15.328	11.848
1-May-09	15.425	11.993
5-May-09	15.248	11.925
6-May-09	15.665	12.158
7-May-09	15.908	12.218
8-May-09	16.713	12.730
11-May-09	17.055	13.080
12-May-09	16.250	12.385
13-May-09	15.843	12.268
14-May-09	15.556	12.120
15-May-09	15.173	11.805
18-May-09	15.513	11.983
19-May-09	15.778	12.260
20-May-09	16.358	12.818
21-May-09	16.115	12.565
22-May-09	16.303	12.805
25-May-09	16.115	12.805
26-May-09	16.115	12.810
27-May-09	16.323	12.983
28-May-09	16.215	12.993
29-May-09	15.940	12.968
1-Jun-09	16.215	13.008
2-Jun-09	15.988	12.825
3-Jun-09	15.295	12.330
4-Jun-09	15.210	12.456
5-Jun-09	15.143	12.245
8-Jun-09	14.328	11.660
9-Jun-09	14.123	11.580
10-Jun-09	14.295	11.680
11-Jun-09	14.413	11.720
12-Jun-09	14.043	11.328
15-Jun-09	13.345	10.773
16-Jun-09	13.973	11.218
17-Jun-09	13.933	11.265
18-Jun-09	13.863	11.165
19-Jun-09	14.328	11.588
22-Jun-09	13.928	11.240
23-Jun-09	14.010	11.428
24-Jun-09	14.308	11.710
25-Jun-09	14.463	11.898
26-Jun-09	14.428	11.803
29-Jun-09	14.608	12.070
30-Jun-09	14.278	11.793
1-Jul-09	14.235	11.930
2-Jul-09	14.058	11.885
3-Jul-09	13.980	11.928
6-Jul-09	14.010	11.900
7-Jul-09	14.150	11.978
8-Jul-09	14.433	11.978
9-Jul-09	14.848	12.028
10-Jul-09	15.038	12.140
13-Jul-09	15.730	12.695
14-Jul-09	15.293	12.408
15-Jul-09	15.553	12.823
16-Jul-09	15.558	13.043
17-Jul-09	15.113	12.833
20-Jul-09	15.168	12.900
21-Jul-09	15.505	12.843
22-Jul-09	15.398	12.758
23-Jul-09	15.438	12.770
24-Jul-09	15.305	12.795
27-Jul-09	15.118	12.728
28-Jul-09	14.768	12.465
29-Jul-09	14.565	12.228
30-Jul-09	14.725	12.243
31-Jul-09	14.688	12.188
3-Aug-09	15.410	12.508
4-Aug-09	15.610	12.780
5-Aug-09	15.330	12.563

6-Aug-09	15.335	12.830
7-Aug-09	15.275	12.838
10-Aug-09	15.133	12.575
11-Aug-09	15.098	12.565
12-Aug-09	15.290	12.810
13-Aug-09	15.263	12.595
14-Aug-09	15.280	12.895
17-Aug-09	15.393	12.768
18-Aug-09	15.675	12.965
19-Aug-09	15.823	13.065
20-Aug-09	16.035	13.185
21-Aug-09	16.303	13.258
24-Aug-09	16.120	13.260
25-Aug-09	16.115	13.315
26-Aug-09	16.045	13.328
27-Aug-09	16.020	13.300
28-Aug-09	16.050	13.315
31-Aug-09	15.775	13.255
1-Sep-09	15.710	13.255
2-Sep-09	15.920	13.235
3-Sep-09	16.225	13.440
4-Sep-09	16.053	13.433
7-Sep-09	16.178	13.453
8-Sep-09	16.280	13.490
9-Sep-09	15.998	13.315
10-Sep-09	15.910	13.203
11-Sep-09	15.350	12.785
14-Sep-09	14.665	12.096
15-Sep-09	15.010	12.473
16-Sep-09	14.808	12.375
17-Sep-09	14.695	12.375
18-Sep-09	14.348	12.140
21-Sep-09	14.668	12.380
22-Sep-09	14.440	12.180
23-Sep-09	13.998	11.798
24-Sep-09	13.463	11.458
25-Sep-09	13.755	11.825
28-Sep-09	14.168	11.700
29-Sep-09	13.778	11.415
30-Sep-09	14.033	11.638

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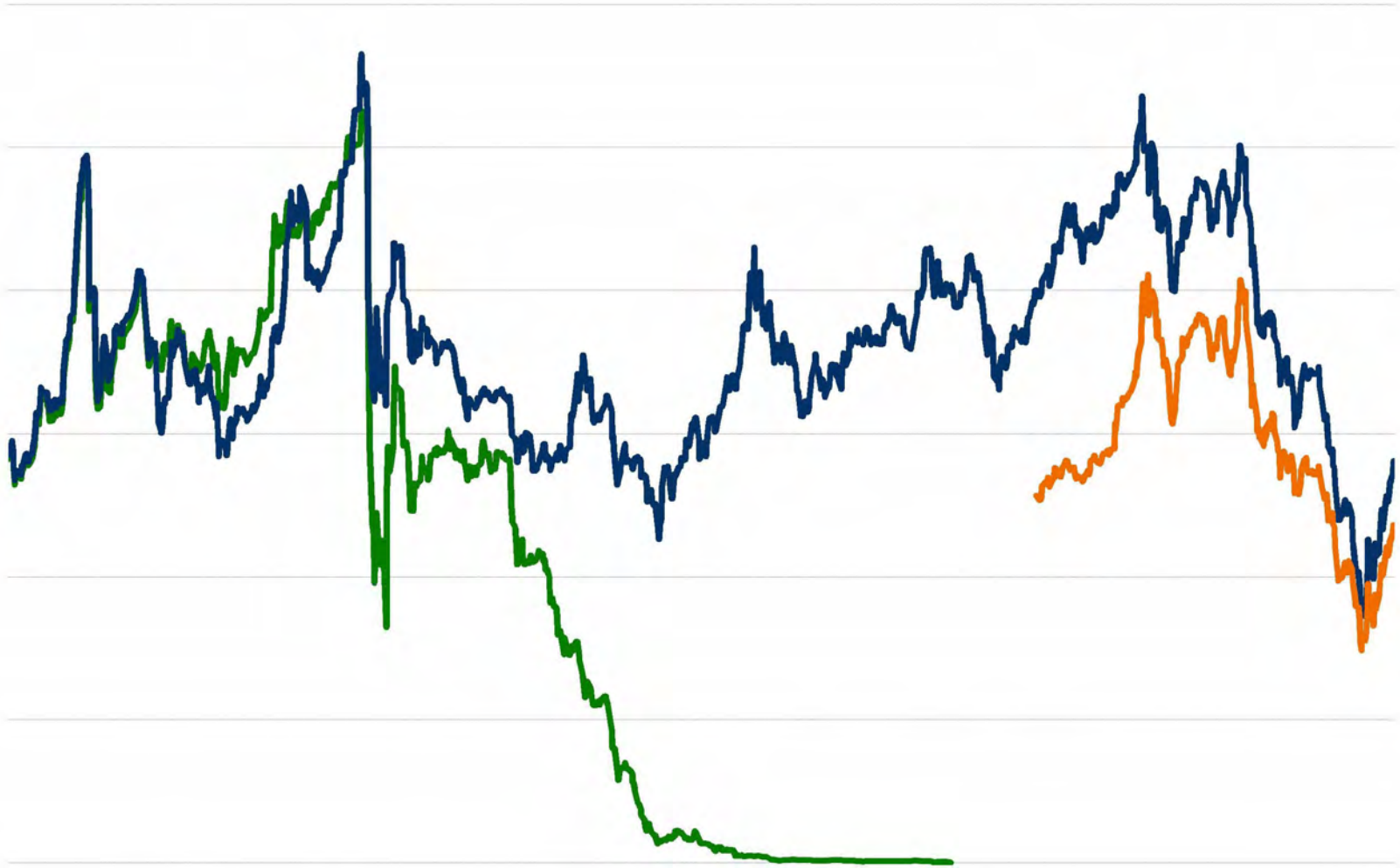

From:	Ishwar Saini
To:	mf1@cpuc.ca.gov
CC:	Andre Templeman; Matthew D'Agostino
Sent:	5/18/2011 1:35:50 PM
Subject:	Thank you.
Attachments:	FIEG Presentation to CPUC Final.ppt

Commissioner Florio,
Thank you for your time yesterday to discuss Risk management and California's renewable energy markets.
FIEG appreciates the opportunity and look forward to working with you and your team on some of the regulatory policy proceedings.
Attached is the final presentation for your records. Feel free to contact us for any questions.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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FIEG Presentation to CPUC

Comm. Florio and Comm. Ferron

May 17, 2011

Disclaimer

- Information presented here is meant to be informational and not necessarily accurate for all FIEG members.

FIEG

- Financial Institution Energy Group (FIEG) is comprised of investment and commercial banks
- Its members and their affiliates play a number of roles in California's wholesale power, natural gas, and renewable markets
- Members act as marketers, lenders, underwriters of debt and equity securities, and proprietary investors
- FERC has authorized FIEG's power-marketer members to sell energy, capacity, and AS at market based rates

FIEG Expertise

- FIEG members bring financial, physical, and risk management expertise to energy and environmental markets
- Active participants in global & national energy, renewable, and emissions markets
- Manage risk for clients in a dynamically changing regulatory and market environment
- Offerings with integrated energy, emissions, and financial products to clients

California's energy/environmental landscape

- Inherently complex with multiple regulatory institutions
- Markets are sensitive to respective regulatory policies, e.g.
  - CPUC's TREC decision
  - ARB Cap & Trade and Reporting regulations
  - CEC and REC eligibility
  - Legislative: RPS SB SBx1_2
- Regulatory policies have direct impact on investments, market prices, costs, and risk perception
- California markets remain a work in progress

Regulatory developments and risk assessment

- FIEG members monitor and manage regulatory and market risks
- Perceived high risk adds premium to deal prices with implications on liquidity, volatility, and potential investments
- On the contrary, reduced regulatory risk increases market liquidity and improves investment environment
- California's renewable energy markets are nascent and changing rapidly
  - High regulatory risk impedes both instate and out of state project financing
  - Creates reluctance for long term deal structures required for financing new infrastructure
  - Introduces uncertainties in grid operation planning, and market outcomes

Managing policy and regulatory risks

- Structured deals
- Project financing
  - Debt and equity
- Project development
- Regulatory advocacy and advisory
- Market liquidity
  - Trading and flow sales
  - Odd-lot liquidity

Typical examples of structured transactions

- Firming and shaping
- REC deals
- Carbon hedging
- Prepays
- Credit sleeves
- Tolling agreements
- PPAs
- Exhaustive/Dynamic contracts

Potential impact of regulatory policies

- Long term
  - Investments, risk, and returns in energy and environmental infrastructure
  - Long term hedging for both producers and consumers
- Medium term
  - Operational planning and policies
  - Impact on three to five year market environment
    - On most liquid term
  - Drives political and legislative initiatives
- Short term
  - Prices in regulatory driven markets (GHG allowances)
  - Impact on future price curves
  - Hedging costs and premiums

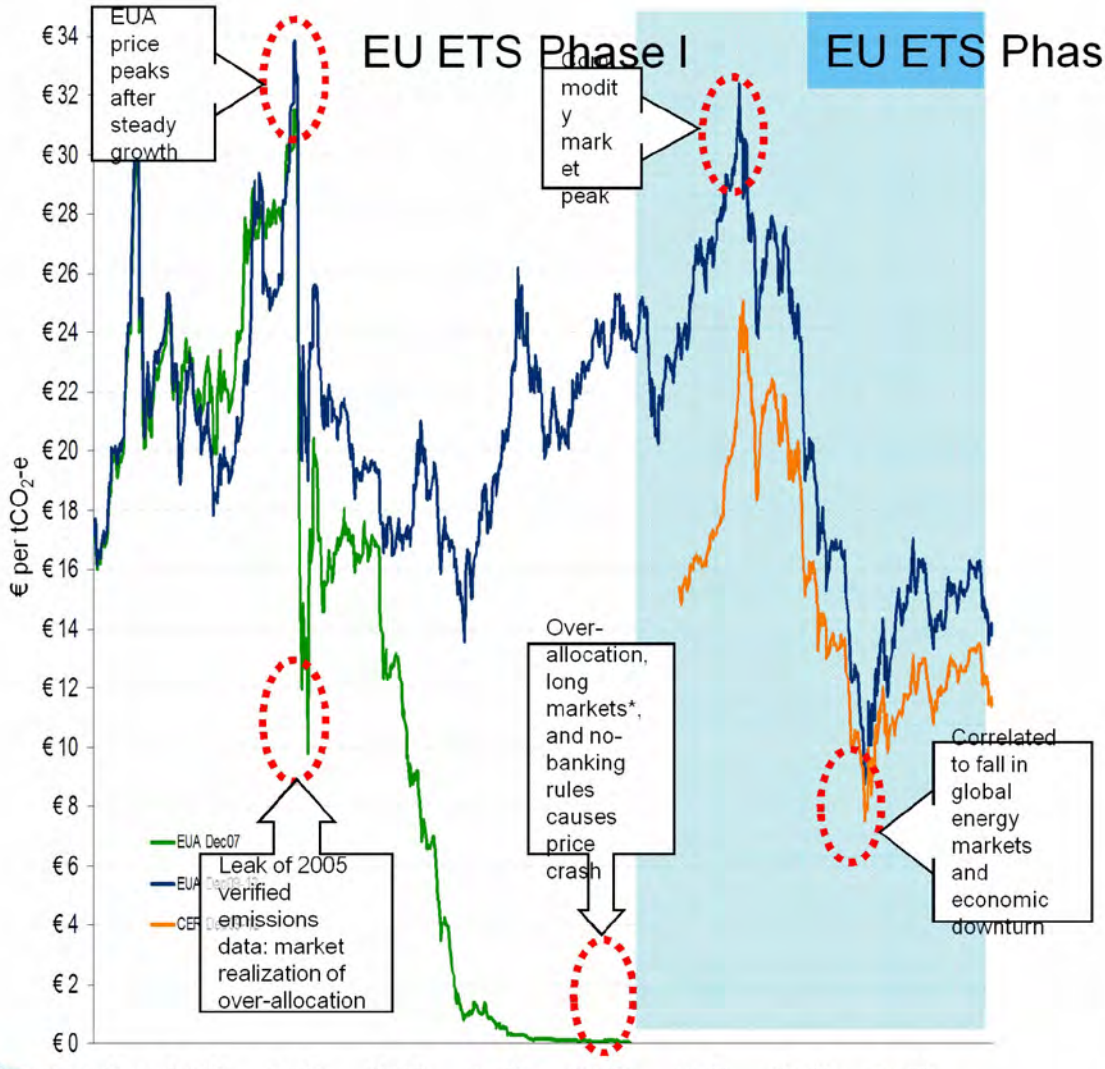
How regulatory policies impact markets?:
Forward Settled HR SP15 ONPEAK

Source: Intercontinental Exchange

Contd.. Impact of Allowance allocation on European Carbon ETS allowances

THE PRICE OF EUAs EXPERIENCED SIGNIFICANT VOLATILITY

Price evolution during the EU ETS has represented the market's view about the level of the carbon constraint, and the effort required to comply with it. It has interacted dynamically with fuel and weather markets, as well as expectations about economic growth.



Sources: ECX, Bloomberg

* Program created more allowances than there were actual emission

Recommendations

- Recommendations for nurturing renewables and environmental markets with manageable risk
  - Stable policies and rules
  - Non discriminatory regulations
  - Standardization of products and services
  - Market oriented regulatory environment
  - Integrated view of conventional power, renewables, and environmental markets
  - Effective end-user protection

FIEG members continue to add value

- FIEG members reduce risk, manage volatility, stabilize markets, and reduce costs for long terms benefits to ratepayers and consumers (e.g. providing quotes on large, small, or long-dated obligation hedges.)
- FIEG members bring national and international best industry practices to California's energy and environment industries
- In short, FIEG members manage risks in the renewable markets benefiting producers and consumers in the energy and environment value chain.

Latest date 3/18/2009

EUA

Date	Dec07	Dec08	Dec09	Dec10	Dec11	Dec12	EURAUD	EUR Avg	AUD Avg
22 Apr 05	16.95	17.00	17.05	17.10	17.15	17.20	1.67	17.08	28.50483
25 Apr 05	17.55	17.60	17.65	17.70	17.75	17.80	1.67	17.68	29.45995
26 Apr 05	17.20	17.25	17.30	17.35	17.40	17.45	1.67	17.33	28.88999
27 Apr 05	16.45	16.50	16.55	16.60	16.65	16.70	1.67	16.58	27.60976
28 Apr 05	16.00	16.10	16.10	16.15	16.20	16.25	1.65	16.13	26.69293
29 Apr 05	16.50	16.55	16.60	16.65	16.70	16.75	1.65	16.63	27.38149
03 May 05	16.25	16.30	16.35	16.40	16.45	16.50	1.66	16.38	27.25156
04 May 05	16.20	16.25	16.30	16.35	16.40	16.45	1.66	16.33	27.06684
05 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.66	16.73	27.74784
06 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.65	16.73	27.64018
09 May 05	17.00	17.05	17.10	17.15	17.20	17.25	1.66	17.13	28.48462
10 May 05	17.10	17.15	17.20	17.25	17.30	17.35	1.66	17.23	28.56019
11 May 05	16.90	16.95	17.00	17.05	17.10	17.15	1.65	17.03	28.14328
12 May 05	16.75	16.80	16.85	16.90	16.95	17.00	1.66	16.88	27.98616
13 May 05	16.80	17.00	17.05	17.10	17.15	17.20	1.66	17.05	28.28752
16 May 05	16.90	17.00	17.05	17.10	17.15	17.20	1.67	17.07	28.52631
17 May 05	17.20	17.40	17.45	17.50	17.55	17.60	1.67	17.45	29.09861
18 May 05	17.45	17.65	17.70	17.75	17.80	17.85	1.66	17.70	29.46153
19 May 05	18.00	18.10	18.15	18.20	18.25	18.30	1.67	18.17	30.28512
20 May 05	18.75	18.80	18.85	18.90	18.95	19.00	1.66	18.88	31.36366
23 May 05	18.50	18.75	18.80	18.90	19.00	19.10	1.66	18.84	31.20787
24 May 05	19.10	19.20	19.30	19.35	19.40	19.50	1.65	19.31	31.81261
25 May 05	19.95	20.00	20.05	20.10	20.15	20.20	1.65	20.08	33.18094
26 May 05	19.75	19.90	19.95	20.00	20.05	20.10	1.65	19.96	32.88223
27 May 05	19.65	19.85	19.90	19.95	20.00	20.05	1.65	19.90	32.78724
31 May 05	19.90	20.05	20.10	20.15	20.20	20.25	1.63	20.11	32.76718
01 Jun 05	19.60	19.70	19.75	19.80	19.85	19.90	1.63	19.77	32.23564
02 Jun 05	19.50	19.70	19.75	19.80	19.90	20.00	1.63	19.78	32.1553
03 Jun 05	19.10	19.35	19.45	19.50	19.60	19.65	1.62	19.44	31.41738
06 Jun 05	19.30	19.60	19.65	19.75	19.80	19.90	1.60	19.67	31.52403
07 Jun 05	19.60	19.90	20.00	20.10	20.20	20.30	1.60	20.02	31.98079
08 Jun 05	19.80	20.00	20.10	20.20	20.30	20.40	1.60	20.13	32.18545
09 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.67832
10 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.64802
13 Jun 05	19.85	20.15	20.25	20.30	20.40	20.45	1.59	20.23	32.18945
14 Jun 05	19.90	20.20	20.30	20.40	20.50	20.55	1.58	20.31	32.00852
15 Jun 05	20.10	20.20	20.30	20.40	20.50	20.60	1.57	20.35	32.01734
16 Jun 05	20.60	20.65	20.75	20.80	20.90	20.95	1.56	20.78	32.5092
17 Jun 05	21.50	21.60	21.70	21.80	21.90	22.00	1.58	21.75	34.34783
20 Jun 05	22.95	23.10	23.20	23.30	23.40	23.50	1.57	23.24	36.37411
21 Jun 05	23.00	23.20	23.30	23.45	23.55	23.70	1.56	23.37	36.44167
22 Jun 05	23.20	23.30	23.40	23.50	23.60	23.70	1.56	23.45	36.51245
23 Jun 05	23.40	23.50	23.65	23.75	23.90	24.00	1.56	23.70	36.92432
24 Jun 05	24.00	24.05	24.15	24.25	24.35	24.45	1.57	24.21	38.06438
27 Jun 05	23.95	24.05	24.15	24.25	24.35	24.45	1.58	24.20	38.24067
28 Jun 05	24.50	24.65	24.75	24.85	24.95	25.05	1.58	24.79	39.21032
29 Jun 05	25.45	25.60	25.75	25.85	25.00	26.15	1.58	25.80	40.86272
30 Jun 05	25.80	26.00	26.20	26.40	26.60	26.80	1.59	26.30	41.80991
01 Jul 05	26.90	27.10	27.25	27.40	27.55	27.70	1.59	27.32	43.49319
04 Jul 05	29.45	29.60	29.70	29.85	29.95	30.10	1.59	29.78	47.27397

CER

Date	Dec08	Dec09	Dec10	Dec11	Dec12	Mar09	EURAUD	EUR Avg	AUD Avg
3/14/2008	16.30	15.45	15.25	15.35	15.50		1.67	15.57	26.03379
3/17/2008	15.65	14.90	14.70	14.70	15.00		1.71	14.99	25.66958
3/18/2008	15.85	15.10	14.90	14.95	15.20		1.69	15.20	25.72161
3/19/2008	15.90	15.10	14.85	14.90	15.10		1.71	15.17	25.8667
3/20/2008	16.28	15.45	15.23	15.25	15.48		1.71	15.54	26.64257
3/25/2008	16.55	15.75	15.55	15.70	15.90		1.70	15.89	27.04941
3/26/2008	16.42	15.72	15.45	15.60	15.88		1.72	15.81	27.23427
3/27/2008	15.75	15.45	15.42	15.58	15.84		1.71	15.61	26.75535
3/28/2008	15.36	15.15	15.17	15.30	15.63		1.72	15.32	26.34654
3/31/2008	15.43	15.25	15.43	15.61	15.88		1.73	15.52	26.81391
4/1/2008	15.40	15.28	15.45	15.70	16.00		1.72	15.57	26.8197
4/2/2008	15.95	15.78	15.93	16.20	16.55		1.72	16.08	27.58416
4/3/2008	15.90	15.70	15.85	16.35	16.70		1.71	16.10	27.52225
4/4/2008	15.88	15.75	15.88	16.23	16.55		1.70	16.08	27.40592
4/7/2008	15.90	15.70	15.90	16.30	16.70		1.70	16.10	27.29241
4/8/2008	15.75	15.55	15.75	16.15	16.55		1.69	15.95	26.93378
4/9/2008	15.84	15.55	15.72	16.15	16.55		1.70	15.96	27.20175
4/10/2008	16.30	15.85	16.19	16.55	16.95		1.69	16.37	27.63277
4/11/2008	16.16	15.91	16.05	16.40	16.80		1.70	16.26	27.67633
4/14/2008	16.40	16.06	16.25	16.60	17.05		1.71	16.47	28.14984
4/15/2008	16.40	16.10	16.20	16.55	17.00		1.71	16.45	28.09772
4/16/2008	16.30	16.00	16.13	16.40	16.85		1.70	16.34	27.73363
4/17/2008	16.25	15.90	16.05	16.40	16.95		1.70	16.31	27.67039
4/18/2008	16.15	15.85	16.00	16.35	16.80		1.69	16.23	27.45695
4/21/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.63261
4/22/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.68231
4/23/2008	16.08	15.83	15.95	16.35	16.80		1.67	16.20	27.1062
4/24/2008	16.00	15.68	15.90	16.21	16.65		1.67	16.09	26.82612
4/25/2008	16.00	15.70	16.00	16.30	16.75		1.67	16.15	27.01032
4/28/2008	15.95	15.70	15.95	16.25	16.70		1.67	16.11	26.85596
4/29/2008	15.97	15.72	15.97	16.27	16.72		1.67	16.13	26.87543
4/30/2008	16.07	15.90	16.25	16.45	16.85		1.66	16.26	26.92603
5/1/2008	16.04	15.63	15.88	16.33	16.70		1.65	16.12	26.66979
5/2/2008	16.40	16.05	16.20	16.45	16.80		1.65	16.38	26.96659
5/6/2008	16.85	16.50	16.65	16.85	17.25		1.63	16.82	27.47647
5/7/2008	16.59	16.26	16.41	16.61	17.25		1.63	16.62	27.1738
5/8/2008	16.61	16.40	16.60	16.90	17.42		1.63	16.79	27.37368
5/9/2008	16.89	16.70	16.90	17.23	17.75		1.64	17.09	28.05398
5/12/2008	17.00	16.70	17.00	17.30	17.85		1.64	17.17	28.16368
5/13/2008	17.15	16.90	17.10	17.40	17.95		1.64	17.30	28.44445
5/14/2008	16.85	16.50	16.80	17.10	17.80		1.65	17.01	28.14505
5/15/2008	16.90	16.60	16.90	17.20	17.80		1.64	17.08	28.04444
5/16/2008	17.00	16.65	16.95	17.25	17.85		1.63	17.14	27.98424
5/19/2008	17.05	16.78	16.88	17.27	17.80		1.63	17.16	27.9045
5/20/2008	17.10	16.75	16.94	17.25	17.83		1.63	17.17	28.07314
5/21/2008	17.33	17.03	17.15	17.35	17.95		1.64	17.36	28.47143
5/22/2008	17.38	17.05	17.10	17.50	18.03		1.64	17.41	28.62782
5/23/2008	17.35	17.02	17.20	17.50	18.00		1.64	17.41	28.59356
5/26/2008	17.28	17.00	17.30	17.55	18.15		1.64	17.46	28.65123
5/27/2008	17.60	17.25	17.35	17.65	18.35		1.64	17.64	28.86966

05 Jul 05	28.85	29.00	29.10	29.25	29.35	29.50	1.61	29.18	46.83225
06 Jul 05	29.30	29.55	29.70	29.85	30.00	30.15	1.61	29.76	47.89828
07 Jul 05	29.40	29.65	29.80	29.95	30.10	30.25	1.61	29.86	48.16323
08 Jul 05	29.70	30.00	30.20	30.40	30.60	30.80	1.61	30.28	48.82836
11 Jul 05	29.90	30.15	30.35	30.55	30.75	30.95	1.61	30.44	49.13565
12 Jul 05	29.45	29.65	29.80	29.95	30.10	30.25	1.62	29.87	48.27566
13 Jul 05	27.95	28.15	28.25	28.35	28.45	28.55	1.61	28.28	45.59051
14 Jul 05	24.00	24.15	24.30	24.45	24.60	24.75	1.61	24.38	39.16499
15 Jul 05	24.30	24.50	24.65	24.85	25.00	25.20	1.61	24.75	39.74165
18 Jul 05	24.70	25.00	25.05	25.10	25.15	25.20	1.60	25.03	40.04043
19 Jul 05	24.55	24.70	24.80	24.90	25.00	25.05	1.60	24.83	39.7747
20 Jul 05	20.90	21.25	21.45	21.65	21.85	22.05	1.61	21.53	34.5981
21 Jul 05	20.35	20.60	20.85	21.10	21.30	21.55	1.59	20.96	33.31636
22 Jul 05	20.10	20.25	20.35	20.40	20.50	20.55	1.58	20.36	32.13624
25 Jul 05	20.15	20.40	20.55	20.75	20.90	21.10	1.58	20.64	32.64407
26 Jul 05	20.80	21.00	21.20	21.40	21.60	21.80	1.58	21.30	33.75073
27 Jul 05	22.05	22.25	22.40	22.50	22.65	22.75	1.60	22.43	35.81247
28 Jul 05	22.05	22.25	22.35	22.50	22.60	22.75	1.60	22.42	35.80124
29 Jul 05	22.35	22.55	22.70	22.90	23.05	23.25	1.60	22.80	36.49642
01 Aug 05	21.45	21.65	21.80	22.00	22.20	22.40	1.60	21.92	35.04349
02 Aug 05	20.70	20.95	21.05	21.10	21.20	21.25	1.59	21.04	33.52246
03 Aug 05	20.70	20.90	21.10	21.30	21.50	21.70	1.60	21.20	33.86237
04 Aug 05	20.50	20.70	20.90	21.10	21.30	21.50	1.60	21.00	33.64283
05 Aug 05	21.25	21.45	21.55	21.70	21.80	21.95	1.61	21.62	34.75114
08 Aug 05	21.75	21.95	22.05	22.20	22.30	22.45	1.62	22.12	35.74664
09 Aug 05	22.45	22.65	22.75	22.90	23.00	23.15	1.62	22.82	37.07299
10 Aug 05	22.45	22.60	22.80	22.95	23.15	23.30	1.62	22.88	36.95691
11 Aug 05	22.55	22.85	23.05	23.25	23.45	23.65	1.61	23.13	37.20048
12 Aug 05	22.80	23.00	23.10	23.20	23.30	23.40	1.61	23.13	37.21915
15 Aug 05	22.40	22.60	22.75	22.90	23.05	23.20	1.61	22.82	36.70811
16 Aug 05	22.45	22.65	22.80	22.95	23.10	23.25	1.61	22.87	36.72297
17 Aug 05	22.80	23.00	23.15	23.35	23.50	23.70	1.61	23.25	37.48636
18 Aug 05	22.75	22.95	23.05	23.25	23.45	23.65	1.62	23.18	37.48815
19 Aug 05	22.90	23.05	23.20	23.30	23.45	23.55	1.62	23.24	37.61642
22 Aug 05	23.05	23.25	23.40	23.55	23.70	23.85	1.62	23.47	38.01957
23 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	37.94946
24 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	38.05781
25 Aug 05	23.35	23.50	23.60	23.70	23.80	23.90	1.62	23.64	38.28517
30 Aug 05	23.65	23.85	24.05	24.20	24.40	24.55	1.63	24.12	39.39254
31 Aug 05	23.95	24.10	24.25	24.40	24.55	24.70	1.64	24.33	39.78545
01 Sep 05	24.40	24.60	24.75	24.90	25.05	25.20	1.64	24.82	40.66722
02 Sep 05	24.75	24.90	25.05	25.20	25.35	25.50	1.64	25.13	41.14481
05 Sep 05	24.75	24.95	25.10	25.25	25.40	25.55	1.63	25.17	41.09002
06 Sep 05	24.65	24.80	24.95	25.05	25.20	25.30	1.62	24.99	40.57035
07 Sep 05	24.70	24.90	25.00	25.15	25.30	25.45	1.62	25.08	40.65114
08 Sep 05	24.35	24.45	24.55	24.65	24.75	24.85	1.60	24.60	39.45955
09 Sep 05	23.75	23.90	24.00	24.15	24.25	24.40	1.60	24.08	38.57365
12 Sep 05	22.25	22.40	22.50	22.60	22.70	22.80	1.60	22.54	35.96014
13 Sep 05	21.75	21.85	21.95	22.05	22.15	22.25	1.60	22.00	35.11667
14 Sep 05	22.45	22.45	22.55	22.65	22.75	22.85	1.59	22.62	36.00218
15 Sep 05	22.70	22.65	22.80	22.90	23.00	23.10	1.59	22.86	36.44426
16 Sep 05	22.05	22.10	22.20	22.30	22.40	22.50	1.59	22.26	35.46713
19 Sep 05	22.60	22.70	22.80	22.90	23.00	23.10	1.58	22.85	36.19789
20 Sep 05	22.05	21.95	22.25	22.35	22.45	22.55	1.58	22.27	35.22094
21 Sep 05	22.00	20.50	20.65	20.75	20.85	21.00	1.58	20.96	33.20776
22 Sep 05	22.30	20.50	20.60	20.70	20.80	20.90	1.59	20.97	33.39308
23 Sep 05	22.05	19.00	19.15	19.30	19.45	19.60	1.59	19.76	31.41937
26 Sep 05	21.60	18.50	18.65	18.80	18.95	19.10	1.59	19.27	30.72641
27 Sep 05	22.05	19.05	19.15	19.25	19.35	19.45	1.59	19.72	31.32357
28 Sep 05	22.75	20.00	20.10	20.20	20.30	20.40	1.59	20.63	32.70742
29 Sep 05	22.90	20.00	20.10	20.20	20.30	20.40	1.58	20.65	32.68765
30 Sep 05	22.85	20.35	20.45	20.55	20.65	20.75	1.58	20.93	32.99531
03 Oct 05	22.75	20.70	20.70	20.80	20.90	21.00	1.56	21.14	32.98707
04 Oct 05	23.30	21.55	21.65	21.75	21.85	21.95	1.56	22.01	34.33943
05 Oct 05	23.80	22.00	22.05	22.10	22.15	22.20	1.58	22.38	35.3851

5/28/2008	17.65	17.20	17.30	17.60	18.20	1.63	17.59	28.58861
5/29/2008	17.83	17.38	17.41	17.75	18.25	1.62	17.72	28.72153
5/30/2008	17.85	17.45	17.50	17.85	18.40	1.63	17.81	28.96706
6/2/2008	17.93	17.45	17.51	17.87	18.41	1.63	17.83	29.0184
6/3/2008	19.04	18.55	18.60	19.00	19.50	1.62	18.94	30.76058
6/4/2008	19.15	18.60	18.50	18.80	19.15	1.61	18.84	30.38534
6/5/2008	19.45	18.85	18.73	18.90	19.40	1.63	19.07	31.0202
6/6/2008	20.38	19.57	19.35	19.30	19.80	1.64	19.68	32.23193
6/9/2008	20.33	19.50	19.30	19.40	19.73	1.65	19.65	32.34236
6/10/2008	20.15	19.55	19.40	19.55	19.80	1.63	19.69	32.16084
6/11/2008	20.20	19.69	19.60	19.75	20.10	1.64	19.87	32.63062
6/12/2008	20.10	19.50	19.50	19.63	19.95	1.65	19.74	32.56302
6/13/2008	20.15	19.65	19.60	19.75	20.05	1.64	19.84	32.4627
6/16/2008	20.20	19.70	19.65	19.80	20.10	1.65	19.89	32.72161
6/17/2008	20.29	19.84	19.75	19.90	20.20	1.64	20.00	32.85379
6/18/2008	20.43	20.06	19.90	19.91	20.26	1.64	20.11	33.0012
6/19/2008	20.43	20.19	20.05	20.10	20.45	1.63	20.24	32.98684
6/20/2008	20.21	20.23	20.06	20.16	20.40	1.64	20.21	33.09493
6/23/2008	20.35	20.42	20.50	20.62	20.98	1.63	20.57	33.56139
6/24/2008	20.41	20.68	20.85	21.10	21.55	1.63	20.92	34.10699
6/25/2008	20.10	20.40	20.60	20.85	21.35	1.63	20.66	33.76282
6/26/2008	20.32	20.71	20.97	21.28	21.78	1.65	21.01	34.61987
6/27/2008	20.57	21.04	21.34	21.81	22.43	1.64	21.44	35.23612
6/30/2008	20.90	21.47	21.80	22.35	23.00	1.64	21.90	35.99344
7/1/2008	21.91	22.64	23.09	23.73	24.67	1.66	23.21	38.4178
7/2/2008	22.34	23.37	24.05	24.91	25.85	1.65	24.10	39.76223
7/3/2008	21.30	22.25	22.92	23.89	24.93	1.63	23.06	37.6827
7/4/2008	21.90	22.83	23.50	24.45	25.48	1.63	23.63	38.49733
7/7/2008	22.94	23.88	24.51	25.42	26.34	1.64	24.62	40.45862
7/8/2008	21.54	22.23	22.82	23.70	24.65	1.64	22.99	37.71421
7/9/2008	21.80	22.49	23.05	23.85	24.99	1.65	23.24	38.27205
7/10/2008	22.05	22.65	23.16	24.03	25.01	1.64	23.38	38.3362
7/11/2008	22.54	23.29	23.70	24.59	25.50	1.65	23.92	39.43592
7/14/2008	22.45	23.10	23.55	24.30	25.30	1.64	23.74	38.84246
7/15/2008	21.95	22.64	22.94	23.70	24.60	1.62	23.17	37.63347
7/16/2008	21.25	21.90	22.24	22.80	23.63	1.62	22.36	36.30827
7/17/2008	21.85	22.50	22.85	23.35	24.21	1.63	22.95	37.48021
7/18/2008	21.11	21.76	22.04	22.54	23.39	1.63	22.17	36.18428
7/21/2008	21.10	21.78	22.06	22.54	23.38	1.63	22.17	36.14461
7/22/2008	20.80	21.47	21.74	22.24	22.99	1.62	21.85	35.49862
7/23/2008	20.03	20.67	20.94	21.41	22.18	1.63	21.05	34.31557
7/24/2008	20.27	20.93	21.16	21.61	22.40	1.63	21.27	34.75638
7/25/2008	20.12	20.84	21.14	21.52	22.26	1.64	21.18	34.75286
7/28/2008	19.52	20.24	20.51	20.97	21.56	1.65	20.56	33.82917
7/29/2008	18.95	19.56	19.81	20.21	20.85	1.64	19.88	32.52062
7/30/2008	18.25	18.87	19.05	19.30	19.80	1.65	19.05	31.4569
7/31/2008	17.72	18.31	18.48	18.83	19.30	1.66	18.53	30.67213
8/1/2008	17.44	18.03	18.10	18.44	18.90	1.67	18.16	30.38285
8/4/2008	18.14	18.64	18.70	18.88	19.08	1.68	18.69	31.32222
8/5/2008	18.60	19.16	19.19	19.53	19.84	1.69	19.26	32.5153
8/6/2008	18.59	19.25	19.49	20.04	20.74	1.70	19.62	33.2857
8/7/2008	19.20	19.94	20.20	20.77	21.59	1.69	20.34	34.38914
8/8/2008	19.27	20.02	20.34	20.89	21.64	1.69	20.43	34.50889
8/11/2008	19.45	20.22	20.54	21.09	21.90	1.69	20.64	34.83617
8/12/2008	19.96	20.76	21.10	21.68	22.44	1.71	21.19	36.13817
8/13/2008	19.85	20.68	21.13	21.69	22.50	1.70	21.17	36.0658
8/14/2008	19.71	20.54	21.00	21.60	22.39	1.70	21.05	35.79099
8/15/2008	19.67	20.48	20.93	21.51	22.31	1.69	20.98	35.53797
8/18/2008	20.14	20.96	21.37	21.95	22.77	1.69	21.44	36.31248
8/19/2008	20.11	20.91	21.32	21.90	22.71	1.70	21.39	36.27181
8/20/2008	20.32	21.13	21.54	22.11	22.93	1.69	21.61	36.47898
8/21/2008	20.45	21.25	21.68	22.24	23.07	1.69	21.74	36.78447
8/22/2008	20.34	21.13	21.55	22.10	22.94	1.70	21.61	36.83896
8/25/2008	20.40	21.20	21.60	22.15	23.00	1.71	21.67	37.02394
8/26/2008	20.56	21.36	21.76	22.29	23.13	1.71	21.82	37.34895

06 Oct 05	23.60	22.55	22.60	22.65	22.70	22.75	1.61	22.81	36.61587
07 Oct 05	23.05	21.90	22.00	22.05	22.10	22.20	1.60	22.22	35.59438
10 Oct 05	23.05	22.25	22.60	22.70	22.80	22.90	1.59	22.72	36.11506
11 Oct 05	23.15	22.40	22.45	22.60	22.75	22.90	1.59	22.71	36.18844
12 Oct 05	23.50	22.70	22.80	22.95	23.10	23.25	1.59	23.05	36.68919
13 Oct 05	23.45	22.85	23.05	23.20	23.35	23.50	1.60	23.23	37.20257
14 Oct 05	23.05	22.30	22.50	22.70	22.90	23.10	1.61	22.76	36.55253
17 Oct 05	23.10	22.70	22.80	22.90	23.00	23.10	1.60	22.93	36.79777
18 Oct 05	22.85	22.40	22.45	22.50	22.55	22.60	1.60	22.56	36.05531
19 Oct 05	22.40	22.00	22.15	22.30	22.45	22.60	1.60	22.32	35.64923
20 Oct 05	22.10	21.50	21.65	21.80	21.95	22.10	1.60	21.85	34.89308
21 Oct 05	21.80	21.30	21.45	21.60	21.75	21.90	1.60	21.63	34.53276
24 Oct 05	21.45	20.75	20.85	20.95	21.05	21.15	1.60	21.03	33.57403
25 Oct 05	21.40	20.90	21.00	21.10	21.20	21.30	1.60	21.15	33.80913
26 Oct 05	21.65	20.55	20.70	20.85	21.00	21.15	1.60	20.98	33.55394
27 Oct 05	21.85	21.00	21.10	21.20	21.30	21.40	1.60	21.31	34.14837
28 Oct 05	22.10	21.10	21.20	21.30	21.40	21.50	1.61	21.43	34.47765
31 Oct 05	21.90	21.25	21.35	21.45	21.55	21.65	1.60	21.53	34.5245
01 Nov 05	21.75	20.20	20.45	20.65	20.90	21.10	1.61	20.84	33.57086
02 Nov 05	21.35	20.15	20.35	20.50	20.70	20.90	1.62	20.66	33.56716
03 Nov 05	21.25	19.50	19.65	19.85	20.00	20.15	1.62	20.07	32.45766
04 Nov 05	21.35	19.75	19.95	20.15	20.35	20.55	1.61	20.35	32.78807
07 Nov 05	21.60	19.90	20.10	20.30	20.50	20.70	1.61	20.52	33.01905
08 Nov 05	22.05	20.35	20.50	20.65	21.00	21.20	1.60	20.96	33.5975
09 Nov 05	22.50	20.35	20.40	20.50	20.65	20.80	1.60	20.87	33.30659
10 Nov 05	22.70	20.40	20.55	20.70	20.85	21.00	1.60	21.03	33.71661
11 Nov 05	22.70	20.25	20.40	20.60	20.80	21.00	1.60	20.96	33.47469
14 Nov 05	23.15	20.90	21.40	21.55	21.70	21.85	1.61	21.76	34.95272
15 Nov 05	22.90	20.55	20.65	20.80	20.95	21.10	1.60	21.16	33.81428
16 Nov 05	22.75	20.25	20.35	20.45	20.55	20.65	1.60	20.83	33.29859
17 Nov 05	22.45	20.05	20.15	20.25	20.35	20.45	1.60	20.62	32.96032
18 Nov 05	21.65	20.00	20.10	20.20	20.30	20.40	1.61	20.44	32.80906
21 Nov 05	21.70	19.25	19.35	19.45	19.55	19.65	1.59	19.83	31.57829
22 Nov 05	22.20	20.00	20.05	20.10	20.15	20.20	1.60	20.45	32.70789
23 Nov 05	21.60	18.85	18.90	19.00	19.05	19.10	1.60	19.42	31.05057
24 Nov 05	19.90	17.60	17.70	17.80	17.90	18.00	1.59	18.15	28.92726
25 Nov 05	20.15	18.30	18.40	18.50	18.60	18.70	1.59	18.78	29.88571
28 Nov 05	20.50	18.50	18.40	18.50	18.60	18.70	1.59	18.87	30.05743
29 Nov 05	19.90	18.25	18.35	18.45	18.55	18.65	1.60	18.69	29.82195
30 Nov 05	20.15	18.05	18.20	18.30	18.40	18.50	1.59	18.60	29.65059
01 Dec 05	20.55	18.25	18.35	18.45	18.55	18.65	1.58	18.80	29.67465
02 Dec 05	21.80	18.50	18.40	18.30	18.20	18.10	1.56	18.88	29.53437
05 Dec 05	22.70	19.80	19.70	19.60	19.50	19.40	1.57	20.12	31.56466
06 Dec 05	23.40	20.10	20.00	19.90	19.80	19.70	1.56	20.48	32.04044
07 Dec 05	22.90	19.90	19.70	19.60	19.50	19.40	1.57	20.17	31.60875
08 Dec 05	22.05	19.25	19.05	18.90	18.80	18.70	1.57	19.46	30.63534
09 Dec 05	21.70	19.00	19.20	19.30	19.40	19.50	1.57	19.68	30.93755
12 Dec 05	22.35	19.25	19.35	19.45	19.55	19.65	1.58	19.93	31.55578
13 Dec 05	22.70	19.75	19.90	20.05	20.20	20.35	1.58	20.49	32.41133
14 Dec 05	22.45	19.40	19.55	19.70	19.85	20.00	1.59	20.16	31.98821
15 Dec 05	22.40	19.45	19.60	19.75	19.85	20.00	1.60	20.18	32.27619
16 Dec 05	22.10	19.25	19.35	19.45	19.55	19.65	1.61	19.89	32.11185
19 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.62	19.98	32.34954
20 Dec 05	21.95	19.10	19.25	19.40	19.55	19.70	1.62	19.83	32.09156
21 Dec 05	21.85	19.00	19.15	19.30	19.45	19.60	1.61	19.73	31.82807
22 Dec 05	21.65	19.10	19.20	19.30	19.40	19.50	1.62	19.69	31.98563
23 Dec 05	21.35	18.70	18.80	18.90	19.00	19.10	1.63	19.31	31.47509
27 Dec 05	21.65	19.00	19.10	19.20	19.30	19.40	1.64	19.61	32.0683
28 Dec 05	21.85	19.15	19.25	19.35	19.45	19.55	1.63	19.77	32.13662
29 Dec 05	22.05	19.55	19.65	19.75	19.85	19.95	1.62	20.13	32.53445
30 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.61	19.98	32.18077
03 Jan 06	22.75	19.70	19.80	19.90	20.00	20.10	1.62	20.38	33.01227
04 Jan 06	23.05	20.05	20.15	20.25	20.35	20.45	1.62	20.72	33.55703
05 Jan 06	23.45	20.00	20.15	20.25	20.35	20.45	1.62	20.78	33.58321
06 Jan 06	24.00	20.80	21.00	21.10	21.20	21.30	1.61	21.57	34.71891

8/27/2008	20.87	21.60	21.85	22.33	23.10	1.71	21.95	37.63858
8/28/2008	20.99	21.70	21.95	22.40	23.13	1.71	22.03	37.58769
8/29/2008	21.20	21.90	22.08	22.50	23.26	1.71	22.19	37.90735
9/1/2008	21.00	21.70	21.91	22.34	23.10	1.72	22.01	37.78821
9/2/2008	20.55	21.21	21.43	21.85	22.61	1.73	21.53	37.24461
9/3/2008	20.48	21.16	21.35	21.77	22.51	1.73	21.45	37.22242
9/4/2008	20.70	21.38	21.60	21.94	22.65	1.74	21.65	37.64496
9/5/2008	20.35	20.97	21.12	21.52	22.32	1.75	21.26	37.20771
9/8/2008	20.25	20.87	21.12	21.42	22.12	1.73	21.16	36.5919
9/9/2008	19.23	19.89	20.10	20.43	21.12	1.76	20.15	35.51827
9/10/2008	19.05	19.75	19.94	20.28	20.96	1.75	20.00	34.95637
9/11/2008	19.01	19.70	19.94	20.28	20.95	1.74	19.98	34.76856
9/12/2008	19.74	20.39	20.64	20.99	21.74	1.73	20.70	35.75917
9/15/2008	19.23	19.90	20.18	20.52	21.33	1.77	20.23	35.85037
9/16/2008	19.20	19.85	20.05	20.36	21.11	1.77	20.11	35.52706
9/17/2008	19.15	19.94	20.21	20.56	21.33	1.80	20.24	36.4968
9/18/2008	19.54	20.30	20.61	21.00	21.88	1.79	20.67	36.90189
9/19/2008	20.42	21.17	21.59	21.92	22.78	1.73	21.58	37.42122
9/22/2008	20.35	21.08	21.53	21.88	22.78	1.75	21.52	37.59583
9/23/2008	20.20	20.93	21.31	21.68	22.58	1.76	21.34	37.48103
9/24/2008	19.68	20.36	20.74	21.06	22.01	1.75	20.77	36.43006
9/25/2008	19.61	20.13	20.46	20.77	21.51	1.75	20.50	35.86158
9/26/2008	19.50	19.75	20.04	20.35	20.94	1.76	20.12	35.38989
9/29/2008	18.41	18.52	18.85	19.17	19.72	1.80	18.93	34.07878
9/30/2008	18.45	18.63	18.90	19.21	19.78	1.78	18.99	33.82531
10/1/2008	18.95	19.15	19.47	19.78	20.36	1.78	19.54	34.72508
10/2/2008	19.20	19.45	19.74	20.10	20.82	1.79	19.86	35.45683
10/3/2008	18.98	19.14	19.45	19.79	20.46	1.78	19.56	34.79268
10/6/2008	18.41	18.52	18.72	19.02	19.68	1.92	18.87	36.15196
10/7/2008	18.79	18.89	19.07	19.36	19.95	1.91	19.21	36.63085
10/8/2008	18.78	18.84	18.97	19.26	19.89	2.02	19.15	38.75183
10/9/2008	19.60	19.67	19.76	20.02	20.68	1.96	19.95	39.0901
10/10/2008	19.11	19.10	19.26	19.52	20.10	2.09	19.42	40.60768
10/13/2008	19.71	19.60	19.73	20.02	20.37	1.99	19.89	39.50529
10/14/2008	20.20	20.06	20.07	20.32	20.72	1.95	20.27	39.60647
10/15/2008	19.83	19.70	19.69	19.94	20.40	2.01	19.91	39.94942
10/16/2008	18.83	18.93	19.03	19.29	19.93	1.96	19.20	37.64268
10/17/2008	18.77	18.78	18.90	19.21	19.77	1.94	19.09	36.95791
10/20/2008	18.55	18.45	18.60	18.90	19.33	1.90	18.77	35.62931
10/21/2008	17.90	17.75	17.95	18.05	18.60	1.92	18.05	34.59361
10/22/2008	16.65	16.46	16.45	16.65	17.21	1.91	16.68	31.91144
10/23/2008	16.96	16.78	16.78	16.95	17.55	1.96	17.00	33.3956
10/24/2008	16.02	15.83	15.85	16.00	16.59	2.03	16.06	32.60011
10/27/2008	15.08	14.87	14.86	15.06	15.69	2.06	15.11	31.18603
10/28/2008	15.20	15.02	15.02	15.16	15.78	1.98	15.24	30.15717
10/29/2008	15.69	15.54	15.54	15.71	16.29	1.93	15.75	30.35377
10/30/2008	15.19	15.23	15.39	15.62	16.32	1.90	15.55	29.58788
10/31/2008	15.05	15.13	15.37	15.49	16.19	1.91	15.45	29.44554
11/3/2008	15.12	15.19	15.36	15.65	16.39	1.86	15.54	28.97664
11/4/2008	15.45	15.55	15.93	16.43	17.10	1.87	16.09	30.02809
11/5/2008	15.10	15.17	15.51	15.89	16.56	1.88	15.65	29.364
11/6/2008	15.13	15.14	15.43	15.79	16.43	1.91	15.58	29.73124
11/7/2008	15.62	15.63	15.92	16.30	16.90	1.89	16.07	30.3393
11/10/2008	15.70	15.70	15.99	16.36	17.00	1.90	16.15	30.72271
11/11/2008	15.36	15.38	15.64	16.01	16.64	1.91	15.81	30.15315
11/12/2008	15.65	15.49	15.78	16.15	16.73	1.96	15.96	31.24578
11/13/2008	15.87	15.60	15.82	16.13	16.64	1.95	16.01	31.23358
11/14/2008	15.50	15.26	15.51	15.74	16.31	1.93	15.66	30.25246
11/17/2008	15.30	15.03	15.12	15.36	15.52	1.94	15.27	29.56255
11/18/2008	14.95	14.71	14.71	14.91	15.21	1.94	14.90	28.92287
11/19/2008	14.81	14.64	14.64	14.79	15.04	1.94	14.78	28.70136
11/20/2008	13.35	13.15	13.15	13.34	13.56	2.02	13.31	26.95053
11/21/2008	13.87	13.72	13.77	13.94	14.17	2.02	13.89	28.04447
11/24/2008	14.30	14.19	14.29	14.58	14.89	1.99	14.45	28.74614
11/25/2008	14.02	13.91	14.05	14.28	14.56	2.01	14.16	28.44147

09 Jan 06	23.70	20.10	20.20	20.30	20.40	20.50	1.60	20.87	33.44547
10 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.61	21.08	33.94555
11 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.60	21.08	33.78345
12 Jan 06	24.00	20.40	20.55	20.70	20.80	20.95	1.60	21.23	34.00398
13 Jan 06	24.00	20.80	20.70	20.85	20.95	21.10	1.61	21.40	34.40937
16 Jan 06	24.05	20.85	21.00	21.10	21.20	21.30	1.61	21.58	34.65398
17 Jan 06	25.25	21.55	21.70	21.85	22.00	22.15	1.61	22.42	36.02128
18 Jan 06	26.45	22.30	22.55	22.65	22.75	22.85	1.62	23.26	37.6071
19 Jan 06	26.65	22.40	22.55	22.70	22.85	23.00	1.62	23.36	37.75106
20 Jan 06	27.90	22.80	22.90	23.00	23.10	23.20	1.62	23.82	38.63698
23 Jan 06	26.90	22.60	22.75	22.90	23.05	23.20	1.63	23.57	38.46897
24 Jan 06	26.35	21.85	22.05	22.20	22.35	22.50	1.63	22.88	37.41181
25 Jan 06	26.70	22.25	22.45	22.60	22.75	22.90	1.63	23.28	37.84966
26 Jan 06	27.45	22.70	22.85	23.00	23.15	23.30	1.62	23.74	38.49748
27 Jan 06	26.90	22.80	22.95	23.10	23.25	23.40	1.61	23.73	38.25389
30 Jan 06	27.50	24.05	24.20	24.40	24.60	24.80	1.61	24.93	40.20559
31 Jan 06	27.55	24.65	25.00	25.15	25.35	25.50	1.61	25.53	41.08016
01 Feb 06	28.05	25.50	25.90	26.25	26.70	27.10	1.60	26.58	42.57681
02 Feb 06	28.55	25.95	26.45	26.90	27.25	27.55	1.60	27.11	43.46511
03 Feb 06	28.85	26.80	27.00	27.20	27.40	27.60	1.60	27.48	44.0457
06 Feb 06	28.70	28.15	28.50	28.90	29.30	29.70	1.61	28.88	46.5195
07 Feb 06	27.65	27.50	27.80	28.05	28.30	28.55	1.61	27.98	45.17256
08 Feb 06	27.15	27.00	27.25	27.55	27.75	27.95	1.61	27.44	44.29182
09 Feb 06	27.45	27.30	27.95	28.15	28.35	28.55	1.62	27.96	45.23857
10 Feb 06	27.30	27.45	27.90	28.30	28.55	28.80	1.62	28.05	45.30473
13 Feb 06	27.20	27.10	27.60	27.80	28.00	28.20	1.61	27.65	44.51164
14 Feb 06	27.35	27.40	27.60	27.80	28.00	28.20	1.61	27.73	44.63193
15 Feb 06	27.60	27.55	27.65	27.80	27.95	28.10	1.61	27.78	44.70835
16 Feb 06	27.95	27.85	28.45	29.00	29.70	30.30	1.61	28.88	46.45744
17 Feb 06	27.70	27.75	28.40	28.90	29.40	29.90	1.61	28.68	46.29899
20 Feb 06	28.10	27.55	28.05	28.55	29.05	29.55	1.61	28.48	45.8541
21 Feb 06	28.30	27.15	27.70	28.20	29.00	29.60	1.61	28.33	45.67823
22 Feb 06	28.20	26.65	27.30	27.85	28.60	29.20	1.62	27.97	45.22865
23 Feb 06	27.65	24.40	25.00	25.60	25.70	25.00	1.61	25.56	41.24082
24 Feb 06	27.65	24.50	25.10	25.70	26.30	26.90	1.61	26.03	41.77746
27 Feb 06	27.20	24.20	24.75	25.35	26.30	26.90	1.61	25.78	41.42353
28 Feb 06	27.40	24.30	24.85	25.45	26.05	26.65	1.60	25.78	41.37455
01 Mar 06	27.85	24.10	24.65	25.20	25.75	26.30	1.60	25.64	41.03069
02 Mar 06	28.15	24.00	24.50	25.00	25.50	26.00	1.61	25.53	41.01498
03 Mar 06	28.05	24.20	24.70	25.20	25.70	26.20	1.62	25.68	41.47192
06 Mar 06	28.05	24.10	24.70	25.25	25.75	26.25	1.62	25.68	41.6705
07 Mar 06	27.60	23.55	24.00	24.50	25.00	25.50	1.62	25.03	40.51006
08 Mar 06	27.75	23.95	24.45	24.95	25.45	25.95	1.63	25.42	41.32151
09 Mar 06	27.70	23.70	24.20	24.70	25.20	25.70	1.62	25.20	40.89379
10 Mar 06	27.90	23.75	24.20	24.70	25.20	25.70	1.63	25.24	41.08227
13 Mar 06	28.45	24.15	24.80	25.15	25.55	25.95	1.63	25.68	41.81631
14 Mar 06	28.25	24.05	24.60	25.10	25.60	26.10	1.63	25.62	41.77793
15 Mar 06	28.05	24.15	24.70	25.20	25.70	26.20	1.63	25.67	41.89444
16 Mar 06	27.70	23.90	24.50	25.00	25.50	26.00	1.65	25.43	42.01271
17 Mar 06	27.95	24.00	24.60	25.00	25.50	26.00	1.67	25.51	42.67832
20 Mar 06	28.15	24.05	24.70	25.10	25.60	26.10	1.69	25.62	43.19924
21 Mar 06	28.10	24.05	24.65	25.25	25.80	26.40	1.69	25.71	43.31929
22 Mar 06	28.15	24.25	24.90	25.50	26.35	26.95	1.68	26.02	43.69683
23 Mar 06	28.20	24.20	24.85	25.45	26.30	26.90	1.67	25.98	43.50993
24 Mar 06	27.95	24.10	24.90	25.60	26.30	27.00	1.70	25.98	44.09624
27 Mar 06	27.80	24.15	24.80	25.40	25.90	26.40	1.70	25.74	43.83071
28 Mar 06	27.95	24.25	24.90	25.55	26.20	26.85	1.70	25.95	44.19253
29 Mar 06	28.20	25.50	26.15	26.80	27.45	28.10	1.70	27.03	45.96684
30 Mar 06	28.35	26.75	27.45	28.10	28.80	29.45	1.70	28.15	47.83023
31 Mar 06	28.40	26.80	27.55	28.10	28.60	29.10	1.69	28.09	47.57884
03 Apr 06	28.35	27.00	27.50	28.10	28.70	29.30	1.70	28.16	47.78494
04 Apr 06	28.85	27.00	27.70	28.40	29.10	29.80	1.70	28.48	48.43404
05 Apr 06	29.80	27.35	27.95	28.60	29.30	29.95	1.69	28.83	48.69367
06 Apr 06	30.35	27.75	28.35	28.95	29.50	30.10	1.67	29.17	48.7768
07 Apr 06	29.85	27.90	28.50	29.10	29.70	30.30	1.67	29.23	48.68947

11/26/2008	13.91	13.83	13.98	14.15	14.50	1.98	14.07	27.87666
11/27/2008	14.23	14.17	14.33	14.56	14.88	1.95	14.43	28.18368
11/28/2008	13.91	13.84	14.00	14.21	14.52	1.94	14.10	27.33538
12/1/2008	14.20	14.20	14.32	14.54	14.85	1.95	14.42	28.17951
12/2/2008	14.10	14.08	14.20	14.41	14.70	1.99	14.30	28.40645
12/3/2008	14.05	14.00	14.12	14.33	14.62	1.97	14.22	28.02061
12/4/2008	13.69	13.72	13.79	13.94	14.15	1.98	13.86	27.48632
12/5/2008	12.82	12.85	12.90	13.04	13.24	1.99	12.97	25.78635
12/8/2008	13.17	13.24	13.28	13.40	13.59	1.95	13.34	26.04779
12/9/2008	12.98	13.00	13.05	13.16	13.34	1.96	13.11	25.74274
12/10/2008	13.03	13.05	13.11	13.22	13.40	1.98	13.16	26.06246
12/11/2008	13.21	13.27	13.32	13.41	13.59	1.97	13.36	26.37058
12/12/2008	13.28	13.42	13.42	13.53	13.74	2.03	13.48	27.34092
12/15/2008	13.52	13.59	13.66	13.76	13.94	2.05	13.69	28.12438
12/16/2008		13.64	13.65	13.82	14.00	2.04	13.78	28.08552
12/17/2008		13.75	13.80	13.87	14.03	2.04	13.86	28.33737
12/18/2008		13.41	13.40	13.51	13.67	2.04	13.50	27.59635
12/19/2008		13.33	13.36	13.47	13.62	2.03	13.45	27.31493
12/22/2008		13.35	13.39	13.50	13.63	2.03	13.47	27.31278
12/23/2008		13.27	13.31	13.44	13.56	2.05	13.40	27.46137
12/24/2008		13.17	13.20	13.31	13.46	2.05	13.29	27.24465
12/29/2008		13.24	13.28	13.37	13.54	2.04	13.36	27.20089
12/30/2008		13.49	13.52	13.61	13.79	2.04	13.60	27.7831
12/31/2008		13.69	13.71	13.77	13.93	1.97	13.78	27.19853
1/2/2009		13.32	13.33	13.42	13.59	1.96	13.42	26.29443
1/5/2009		13.31	13.37	13.48	13.67	1.90	13.46	25.51877
1/6/2009		13.50	13.55	13.66	13.84	1.87	13.64	25.45224
1/7/2009		13.38	13.41	13.52	13.72	1.91	13.51	25.83554
1/8/2009		12.79	12.80	12.90	13.09	1.93	12.90	24.92895
1/9/2009		12.45	12.46	12.56	12.75	1.91	12.56	23.94998
1/12/2009		12.28	12.33	12.43	12.58	1.95	12.41	24.20214
1/13/2009		12.15	12.22	12.31	12.47	1.99	12.29	24.49901
1/14/2009		11.78	11.80	11.89	12.02	1.99	11.87	23.67891
1/15/2009		11.80	11.79	11.91	12.04	1.98	11.89	23.55541
1/16/2009		11.00	11.02	11.12	11.24	1.98	11.10	22.0153
1/19/2009		10.00	10.01	10.12	10.25	1.95	10.10	19.72658
1/20/2009		9.96	9.97	10.05	10.17	1.98	10.04	19.85598
1/21/2009		10.03	10.06	10.16	10.27	1.97	10.13	19.95108
1/22/2009		10.15	10.16	10.25	10.31	1.97	10.22	20.16323
1/23/2009		10.05	10.06	10.12	10.21	1.98	10.11	19.98258
1/26/2009		10.49	10.51	10.57	10.66	1.99	10.56	21.02093
1/27/2009		10.32	10.33	10.40	10.50	1.99	10.39	20.67665
1/28/2009		10.23	10.24	10.30	10.41	1.97	10.30	20.29406
1/29/2009		10.35	10.39	10.45	10.56	1.98	10.44	20.68559
1/30/2009		10.45	10.46	10.52	10.63	2.01	10.52	21.15209
2/2/2009		10.06	10.11	10.19	10.29	2.03	10.16	20.65389
2/3/2009		9.71	9.76	9.86	9.99	2.00	9.83	19.62384
2/4/2009		9.56	9.62	9.74	9.85	1.99	9.69	19.27417
2/5/2009		9.45	9.50	9.60	9.72	1.96	9.57	18.77218
2/6/2009		9.26	9.32	9.42	9.54	1.92	9.39	17.98804
2/9/2009		9.20	9.27	9.37	9.52	1.92	9.34	17.88707
2/10/2009		8.57	8.63	8.72	8.87	1.97	8.70	17.14974
2/11/2009		7.66	7.73	7.83	8.00	1.97	7.81	15.37947
2/12/2009		7.39	7.47	7.58	7.74	1.98	7.55	14.90384
2/13/2009		7.89	7.97	8.09	8.30	1.96	8.06	15.7673
2/16/2009		7.72	7.79	7.92	8.20	1.97	7.91	15.54997
2/17/2009		7.94	8.02	8.17	8.43	1.97	8.14	16.07298
2/18/2009		8.82	8.87	8.97	9.25	1.97	8.98	17.66495
2/19/2009		9.82	9.87	10.00	10.20	1.96	9.97	19.55915
2/20/2009		8.84	8.90	9.02	9.23	1.98	9.00	17.84921
2/23/2009		8.51	8.61	8.75	8.99	1.98	8.72	17.21885
2/24/2009		8.18	8.26	8.43	8.70	1.98	8.39	16.58321
2/25/2009		8.65	8.74	8.90	9.16	1.97	8.86	17.4752
2/26/2009		9.39	9.48	9.64	9.92	1.956589	9.6075	18.79793
2/27/2009		8.81	8.91	9.05	9.32	1.971545	9.0225	17.78827

10 Apr 06	30.00	28.35	28.65	29.25	29.75	30.35	1.66	29.39	48.78921
11 Apr 06	30.45	29.15	29.90	30.50	31.15	31.75	1.66	30.48	50.46738
12 Apr 06	30.35	29.80	30.45	31.05	31.70	32.30	1.65	30.94	51.10312
13 Apr 06	30.15	30.00	30.65	31.30	31.95	32.50	1.66	31.11	51.73968
18 Apr 06	30.30	30.15	30.80	31.45	32.10	32.75	1.66	31.26	51.87758
19 Apr 06	31.50	32.20	32.80	33.45	34.15	34.85	1.66	33.16	54.93529
20 Apr 06	31.50	32.25	32.90	33.55	34.20	34.85	1.67	33.21	55.43442
21 Apr 06	30.95	30.95	31.45	32.10	32.75	33.40	1.66	31.93	52.89724
24 Apr 06	30.75	31.00	31.70	32.40	33.10	33.80	1.67	32.13	53.49947
25 Apr 06	30.95	30.95	31.60	32.20	32.90	33.50	1.67	32.02	53.38565
26 Apr 06	28.30	29.55	30.20	30.85	31.50	32.15	1.65	30.43	50.30848
27 Apr 06	20.75	22.15	22.80	23.45	24.10	24.75	1.66	23.00	38.09062
28 Apr 06	17.30	21.45	22.15	22.80	23.45	24.10	1.66	21.88	36.3557
01 May 06	14.25	18.80	19.30	19.80	20.30	20.80	1.66	18.88	31.2855
02 May 06	13.95	18.50	19.00	19.50	20.00	20.50	1.66	18.58	30.75081
03 May 06	11.95	18.25	18.90	19.45	19.95	20.50	1.64	18.17	29.77485
04 May 06	12.85	20.00	20.55	21.05	21.55	22.05	1.65	19.68	32.37752
05 May 06	14.85	22.15	22.70	23.25	23.80	24.35	1.65	21.85	36.02406
08 May 06	13.20	20.25	20.80	21.25	21.70	22.20	1.65	19.90	32.90031
09 May 06	12.65	19.90	20.50	21.10	21.75	22.35	1.65	19.71	32.47491
10 May 06	12.75	18.65	19.05	19.70	20.30	20.90	1.65	18.56	30.61358
11 May 06	13.65	19.20	19.80	20.45	21.10	21.70	1.65	19.32	31.91975
12 May 06	13.40	19.25	19.85	20.50	21.15	21.85	1.67	19.33	32.29075
15 May 06	9.80	17.80	18.30	18.75	19.25	19.75	1.68	17.28	29.04409
16 May 06	15.75	21.45	22.20	22.70	23.20	23.70	1.67	21.50	35.99244
17 May 06	17.35	21.60	22.30	22.90	23.50	24.10	1.68	21.96	36.86625
18 May 06	16.25	21.90	22.60	23.30	24.00	24.70	1.68	22.13	37.13773
19 May 06	16.25	21.90	22.50	23.15	23.75	24.35	1.69	21.98	37.06717
22 May 06	16.95	21.90	22.55	23.25	23.90	24.55	1.71	22.18	37.90156
23 May 06	18.95	23.80	24.45	25.15	25.80	26.55	1.70	24.12	40.98196
24 May 06	20.45	24.20	24.65	25.25	25.85	26.45	1.70	24.48	41.50861
25 May 06	19.75	23.60	24.20	24.80	25.45	26.05	1.68	23.98	40.30701
26 May 06	19.85	24.00	24.65	25.30	25.95	26.60	1.68	24.39	40.93566
30 May 06	19.55	24.00	24.60	25.25	25.85	26.45	1.69	24.28	40.98305
31 May 06	18.50	23.20	23.95	24.55	25.20	25.85	1.70	23.54	40.08329
01 Jun 06	17.40	22.25	22.90	23.55	24.20	24.85	1.71	22.53	38.54489
02 Jun 06	17.00	21.30	21.95	22.60	23.25	23.90	1.72	21.67	37.22849
05 Jun 06	17.05	21.25	21.85	22.45	23.05	23.65	1.72	21.55	37.15893
06 Jun 06	16.65	20.90	21.55	22.15	22.75	23.35	1.73	21.23	36.77945
07 Jun 06	16.30	20.90	21.45	22.00	22.55	23.10	1.73	21.05	36.37297
08 Jun 06	15.60	20.05	20.70	21.30	21.90	22.50	1.71	20.34	34.71512
09 Jun 06	14.60	19.50	20.10	20.70	21.30	21.90	1.69	19.68	33.23258
12 Jun 06	14.60	19.00	19.70	20.40	21.10	21.80	1.69	19.43	32.79079
13 Jun 06	15.60	20.10	20.80	21.50	22.20	22.90	1.70	20.52	34.88036
14 Jun 06	15.50	19.85	20.60	21.30	22.00	22.70	1.71	20.33	34.76313
15 Jun 06	15.50	19.40	19.80	20.50	21.20	21.90	1.70	19.72	33.51796
16 Jun 06	15.50	19.50	20.05	20.70	21.35	22.00	1.71	19.85	33.9418
19 Jun 06	15.65	19.35	19.95	20.55	21.15	21.75	1.71	19.73	33.68528
20 Jun 06	15.90	20.00	20.70	21.50	22.20	22.90	1.71	20.53	35.01275
21 Jun 06	16.60	20.60	21.20	21.90	22.60	23.30	1.71	21.03	36.02128
22 Jun 06	16.05	19.90	20.65	21.35	22.10	22.90	1.71	20.49	35.1025
23 Jun 06	16.15	20.10	20.80	21.50	22.20	22.90	1.71	20.61	35.22994
26 Jun 06	16.05	19.80	20.55	21.30	22.10	22.90	1.72	20.45	35.15096
27 Jun 06	15.60	19.45	20.10	20.70	21.30	21.95	1.72	19.85	34.07498
28 Jun 06	15.75	19.70	20.35	21.00	21.65	22.30	1.72	20.13	34.6329
29 Jun 06	16.20	19.85	20.45	21.10	21.75	22.40	1.71	20.29	34.75763
30 Jun 06	16.55	19.65	20.30	20.95	21.60	22.25	1.72	20.22	34.79038
03 Jul 06	16.55	19.45	20.10	20.75	21.40	22.05	1.72	20.05	34.57068
04 Jul 06	16.85	19.45	20.15	20.80	21.45	22.10	1.72	20.13	34.58227
05 Jul 06	16.85	19.00	19.60	20.20	20.80	21.40	1.72	19.64	33.68554
06 Jul 06	16.65	18.75	19.45	20.05	20.70	21.35	1.71	19.49	33.3805
07 Jul 06	17.05	19.25	19.90	20.50	21.15	21.75	1.70	19.93	33.95063
10 Jul 06	16.80	19.25	19.95	20.60	21.30	21.95	1.71	19.98	34.07094
11 Jul 06	16.95	19.65	20.25	20.85	21.45	22.05	1.70	20.20	34.25637
12 Jul 06	17.10	19.90	20.55	21.20	21.85	22.50	1.69	20.52	34.64963

3/2/2009	9.17	9.27	9.41	9.68	9.1	1.987994	9.326	18.54003
3/3/2009	9.9	10	10.1	10.4	9.87	1.9616	10.054	19.72193
3/4/2009	10.51	10.59	10.75	11.05	10.71	1.945813	10.722	20.86301
3/5/2009	10.29	10.38	10.55	10.84	10.46	1.965088	10.504	20.64129
3/6/2009	9.94	10.04	10.22	10.51	10.11	1.979452	10.164	20.11915
3/9/2009	10.57	10.67	10.86	11.16	10.7	1.993619	10.792	21.51513
3/10/2009	10.97	11.09	11.28	11.58	11.08	1.970043	11.2	22.06448
3/11/2009	10.63	10.75	10.94	11.24	10.73	1.973819	10.858	21.43173
3/12/2009	10.82	10.94	11.13	11.43	10.92	1.972285	11.048	21.7898
3/13/2009	11.16	11.32	11.52	11.83	11.24	1.962486	11.414	22.39981
3/16/2009	11.42	11.61	11.81	12.11	11.44	1.962607	11.678	22.91933
3/17/2009	11.72	11.9	12.1	12.4	11.72	1.96704	11.968	23.54153
3/18/2009	11.23	11.41	11.63	11.94	11.2	1.979552	11.482	22.72921

13 Jul 06	17.05	19.85	20.55	21.20	21.90	22.55	1.68	20.52	34.51396
14 Jul 06	17.15	20.05	20.70	21.30	21.90	22.50	1.68	20.60	34.58676
17 Jul 06	17.50	20.00	20.55	21.20	21.85	22.50	1.67	20.60	34.49728
18 Jul 06	18.05	20.25	20.85	21.45	22.05	22.65	1.68	20.88	34.99595
19 Jul 06	17.70	20.10	20.70	21.30	21.90	22.50	1.68	20.70	34.76592
20 Jul 06	17.20	19.90	20.45	21.10	21.75	22.40	1.68	20.47	34.4031
21 Jul 06	17.55	19.85	20.50	21.10	21.75	22.35	1.69	20.52	34.61732
24 Jul 06	17.40	19.75	20.40	21.00	21.60	22.20	1.67	20.39	34.1028
25 Jul 06	17.30	19.50	20.10	20.70	21.30	21.90	1.67	20.13	33.63002
26 Jul 06	17.00	19.15	19.90	20.40	21.00	21.60	1.67	19.84	33.08945
27 Jul 06	17.15	18.95	19.55	20.15	20.75	21.35	1.67	19.65	32.72284
28 Jul 06	17.35	18.85	19.45	20.05	20.65	21.25	1.66	19.60	32.5693
31 Jul 06	16.90	18.25	18.85	19.45	20.05	20.65	1.67	19.03	31.69252
01 Aug 06	16.85	18.65	19.25	19.85	20.45	21.05	1.67	19.35	32.40864
02 Aug 06	17.05	18.70	19.30	19.90	20.50	21.10	1.67	19.43	32.5156
03 Aug 06	17.15	18.50	19.05	19.65	20.25	20.80	1.68	19.23	32.3478
04 Aug 06	16.60	17.75	18.30	18.80	19.35	19.85	1.68	18.44	31.01098
07 Aug 06	15.90	17.00	17.55	18.15	18.70	19.30	1.68	17.77	29.87737
08 Aug 06	16.45	17.70	18.25	18.85	19.40	20.00	1.69	18.44	31.10927
09 Aug 06	16.55	17.85	18.45	19.05	19.65	20.25	1.68	18.63	31.27257
10 Aug 06	16.50	17.95	18.55	19.10	19.70	20.25	1.67	18.68	31.14331
11 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.66	18.55	30.81162
14 Aug 06	16.50	17.75	18.30	18.85	19.40	19.95	1.68	18.46	30.92382
15 Aug 06	16.25	17.65	18.20	18.75	19.30	19.85	1.67	18.33	30.63376
16 Aug 06	16.25	17.55	18.15	18.75	19.35	19.95	1.67	18.33	30.64298
17 Aug 06	16.40	17.70	18.35	18.95	19.60	20.20	1.69	18.53	31.23175
18 Aug 06	16.45	17.65	18.20	18.75	19.30	19.85	1.69	18.37	31.04436
21 Aug 06	16.55	17.75	18.40	19.05	19.70	20.35	1.69	18.63	31.46311
22 Aug 06	17.35	18.10	18.70	19.35	19.95	20.55	1.68	19.00	31.91716
23 Aug 06	17.60	18.15	18.80	19.40	20.00	20.60	1.68	19.09	32.01667
24 Aug 06	17.40	17.40	18.90	19.50	20.10	20.70	1.68	19.00	31.84233
25 Aug 06	16.90	17.80	18.50	19.10	19.70	20.30	1.69	18.72	31.55453
28 Aug 06	17.00	18.05	18.65	19.25	19.85	20.45	1.68	18.88	31.78045
29 Aug 06	16.90	17.95	18.55	19.15	19.75	20.35	1.68	18.78	31.52045
30 Aug 06	16.60	17.80	18.45	19.10	19.70	20.35	1.68	18.67	31.35384
31 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.68	18.55	31.13614
01 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.17209
04 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.0979
05 Sep 06	16.90	18.15	18.75	19.35	19.95	20.55	1.66	18.94	31.44657
06 Sep 06	17.10	18.20	18.80	19.40	20.00	20.60	1.67	19.02	31.78743
07 Sep 06	17.15	18.25	18.80	19.35	19.90	20.45	1.68	18.98	31.85529
08 Sep 06	17.05	18.20	18.70	19.25	19.80	20.35	1.68	18.89	31.72574
11 Sep 06	16.95	18.20	18.75	19.30	19.85	20.45	1.69	18.92	32.00566
12 Sep 06	16.80	17.90	18.50	19.05	19.65	20.20	1.69	18.68	31.58888
13 Sep 06	16.90	18.00	18.60	19.15	19.75	20.30	1.69	18.78	31.65998
14 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.69	18.68	31.47244
15 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.68	18.68	31.42123
18 Sep 06	16.75	17.85	18.40	18.95	19.45	20.00	1.68	18.57	31.21917
19 Sep 06	16.75	17.85	18.45	19.05	19.65	20.30	1.68	18.68	31.45145
20 Sep 06	16.25	17.50	18.05	18.65	19.25	19.80	1.68	18.25	30.74952
21 Sep 06	14.70	16.50	17.10	17.70	18.30	18.90	1.69	17.20	29.04786
22 Sep 06	14.00	16.10	16.70	17.30	17.85	18.45	1.70	16.73	28.50572
25 Sep 06	13.85	16.15	16.70	17.25	17.85	18.40	1.69	16.70	28.26652
26 Sep 06	13.25	16.00	16.55	17.10	17.65	18.20	1.69	16.46	27.80008
27 Sep 06	12.35	15.20	15.75	16.30	16.85	17.40	1.69	15.64	26.45925
28 Sep 06	12.45	15.45	16.00	16.55	17.10	17.65	1.70	15.87	26.91497
29 Sep 06	12.90	15.70	16.25	16.80	17.35	17.90	1.70	16.15	27.46697
02 Oct 06	13.30	16.15	16.70	17.25	17.80	18.35	1.70	16.59	28.24273
03 Oct 06	12.50	15.40	15.95	16.50	17.00	17.55	1.71	15.82	27.10182
04 Oct 06	12.30	15.60	16.10	16.65	17.15	17.70	1.70	15.92	27.11794
05 Oct 06	12.30	15.90	16.45	17.00	17.55	18.10	1.70	16.22	27.56764
06 Oct 06	12.45	16.40	16.95	17.50	18.05	18.60	1.70	16.66	28.24003
09 Oct 06	12.40	16.35	16.90	17.45	18.00	18.55	1.69	16.61	28.1128
10 Oct 06	12.65	16.40	16.95	17.50	18.05	18.60	1.68	16.69	28.09764
11 Oct 06	12.75	16.00	16.55	17.10	17.65	18.20	1.69	16.38	27.60469

12 Oct 06	12.75	15.80	16.35	16.90	17.45	18.00	1.67	16.21	27.08625
13 Oct 06	12.65	15.10	15.65	16.20	16.75	17.30	1.67	15.61	25.99701
16 Oct 06	12.75	15.10	15.65	16.20	16.75	17.55	1.66	15.67	26.02425
17 Oct 06	12.80	15.05	15.65	16.25	16.85	17.45	1.66	15.68	26.06867
18 Oct 06	13.00	15.85	15.85	16.40	17.00	17.55	1.66	15.94	26.46989
19 Oct 06	13.15	15.95	15.95	16.50	17.05	17.60	1.66	16.03	26.64138
20 Oct 06	13.05	15.65	16.15	16.65	17.25	17.85	1.66	16.10	26.76345
23 Oct 06	13.05	16.00	16.55	17.10	17.65	18.20	1.66	16.43	27.22751
24 Oct 06	12.75	16.30	16.85	17.40	17.95	18.50	1.66	16.63	27.5428
25 Oct 06	12.80	16.30	16.90	17.45	17.95	18.50	1.66	16.65	27.57503
26 Oct 06	12.35	16.25	16.25	16.75	17.25	17.75	1.66	16.10	26.72362
27 Oct 06	12.40	15.90	16.45	16.95	17.45	17.95	1.66	16.18	26.81082
30 Oct 06	12.15	15.75	16.35	16.85	17.40	17.90	1.65	16.07	26.55414
31 Oct 06	11.05	15.20	15.80	16.40	16.95	17.55	1.65	15.49	25.53236
01 Nov 06	11.25	15.45	16.00	16.55	17.10	17.65	1.65	15.67	25.78231
02 Nov 06	11.25	15.75	16.30	16.85	17.40	17.95	1.65	15.92	26.24293
03 Nov 06	10.95	15.65	16.25	16.80	17.35	17.90	1.65	15.82	26.11289
06 Nov 06	10.80	15.85	16.40	16.95	17.50	18.05	1.65	15.93	26.2615
07 Nov 06	10.55	16.00	16.55	17.10	17.65	18.20	1.65	16.01	26.42903
08 Nov 06	9.65	15.65	16.20	16.75	17.30	17.85	1.66	15.57	25.78851
09 Nov 06	9.70	15.80	16.35	16.85	17.40	17.90	1.67	15.67	26.13898
10 Nov 06	9.70	16.10	16.65	17.20	17.70	18.25	1.67	15.93	26.67852
13 Nov 06	8.95	15.75	16.25	16.80	17.30	17.85	1.68	15.48	25.99499
14 Nov 06	8.70	15.85	16.35	16.90	17.40	17.95	1.68	15.53	26.01054
15 Nov 06	9.40	15.80	16.00	16.55	17.10	17.65	1.68	15.42	25.82704
16 Nov 06	9.25	16.00	16.50	17.00	17.55	18.05	1.67	15.73	26.21302
17 Nov 06	8.90	16.00	16.55	17.10	17.65	18.20	1.67	15.73	26.23008
20 Nov 06	8.75	16.20	16.75	17.25	17.80	18.30	1.66	15.84	26.33001
21 Nov 06	9.00	17.10	17.65	18.20	18.75	19.30	1.66	16.67	27.73616
22 Nov 06	9.10	17.45	18.00	18.55	19.10	19.65	1.67	16.98	28.29265
23 Nov 06	8.90	17.30	17.85	18.40	18.95	19.50	1.67	16.82	28.0919
24 Nov 06	9.00	17.40	17.95	18.50	19.05	19.60	1.68	16.92	28.43875
27 Nov 06	9.20	18.40	18.95	19.50	20.05	20.60	1.69	17.78	29.99068
28 Nov 06	9.20	19.00	19.55	20.05	20.60	21.10	1.68	18.25	30.68431
29 Nov 06	8.90	17.85	18.40	18.95	19.50	20.05	1.68	17.28	28.99142
30 Nov 06	8.40	18.45	19.00	19.55	20.10	20.65	1.68	17.69	29.71115
01 Dec 06	8.20	18.25	18.80	19.35	19.90	20.45	1.69	17.49	29.50533
04 Dec 06	7.65	19.65	20.20	20.75	21.30	21.85	1.69	18.57	31.32966
05 Dec 06	7.25	19.30	19.85	20.35	20.90	21.45	1.69	18.18	30.80268
06 Dec 06	6.85	18.75	19.30	19.85	20.40	20.95	1.69	17.68	29.8835
07 Dec 06	7.10	18.75	19.35	19.90	20.45	21.00	1.68	17.76	29.87239
08 Dec 06	7.55	18.25	18.80	19.35	19.90	20.45	1.68	17.38	29.22228
11 Dec 06	7.30	18.70	19.25	19.80	20.35	20.90	1.69	17.72	29.88817
12 Dec 06	7.10	18.25	18.75	19.30	19.85	20.40	1.69	17.28	29.16791
13 Dec 06	6.85	17.45	18.00	18.60	19.15	19.70	1.68	16.63	27.94211
14 Dec 06	6.60	17.00	17.60	18.15	18.65	19.20	1.68	16.20	27.20997
15 Dec 06	6.60	17.00	17.55	18.15	18.65	19.20	1.67	16.19	27.08416
18 Dec 06	6.60	17.10	17.65	18.25	18.80	19.35	1.68	16.29	27.32771
19 Dec 06	6.70	17.30	17.80	18.35	18.90	19.45	1.68	16.42	27.62967
20 Dec 06	6.65	17.10	17.65	18.20	18.75	19.30	1.68	16.28	27.27581
21 Dec 06	6.60	17.10	17.60	18.15	18.70	19.25	1.68	16.23	27.255
22 Dec 06	6.80	17.40	17.95	18.45	19.00	19.55	1.68	16.53	27.69612
26 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25468
27 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25637
28 Dec 06	6.70	18.25	18.75	19.30	19.85	20.40	1.67	17.21	28.69645
29 Dec 06	6.70	18.20	18.70	19.25	19.80	20.35	1.67	17.17	28.7106
02 Jan 07	5.60	17.50	18.05	18.65	19.20	19.80	1.67	16.47	27.47525
03 Jan 07	4.85	16.55	17.10	17.55	18.10	18.60	1.66	15.46	25.70415
04 Jan 07	4.85	16.55	17.10	17.70	18.25	18.85	1.67	15.55	25.90932
05 Jan 07	4.80	15.80	16.40	16.95	17.50	18.05	1.67	14.92	24.90459
08 Jan 07	3.95	14.50	15.05	15.60	16.15	16.70	1.67	13.66	22.79225
09 Jan 07	3.50	14.70	15.30	15.85	16.40	16.95	1.67	13.78	22.95828
10 Jan 07	3.85	14.85	15.50	16.05	16.60	17.15	1.66	14.00	23.29748
11 Jan 07	4.00	15.25	15.80	16.35	16.90	17.45	1.65	14.29	23.57868
12 Jan 07	4.05	15.55	16.15	16.75	17.35	17.95	1.65	14.63	24.11584

15 Jan 07	4.05	16.15	16.75	17.30	17.90	18.45	1.65	15.10	24.90246
16 Jan 07	4.25	16.40	16.95	17.50	18.05	18.60	1.65	15.29	25.23357
17 Jan 07	4.10	15.65	16.20	16.75	17.30	17.85	1.65	14.64	24.09465
18 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.22983
19 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.2197
22 Jan 07	3.90	15.65	16.20	16.75	17.30	17.85	1.64	14.61	23.99319
23 Jan 07	3.80	15.65	16.20	16.75	17.30	17.85	1.64	14.59	23.97928
24 Jan 07	3.45	15.25	15.80	16.35	16.90	17.45	1.66	14.20	23.55028
25 Jan 07	3.30	15.35	15.90	16.45	17.05	17.60	1.67	14.28	23.84923
26 Jan 07	3.05	15.55	16.10	16.65	17.25	17.85	1.67	14.41	24.05445
29 Jan 07	2.50	15.50	16.05	16.65	17.25	17.80	1.68	14.29	23.99447
30 Jan 07	2.45	15.35	15.90	16.50	17.05	17.65	1.68	14.15	23.73552
31 Jan 07	2.35	15.30	15.85	16.45	17.00	17.55	1.68	14.08	23.64266
01 Feb 07	2.25	15.35	15.95	16.50	17.05	17.65	1.68	14.13	23.75307
02 Feb 07	2.00	14.75	15.30	15.85	16.40	16.95	1.67	13.54	22.65233
05 Feb 07	1.80	14.95	15.50	16.05	16.60	17.15	1.66	13.68	22.76397
06 Feb 07	1.50	14.85	15.40	15.95	16.50	17.05	1.67	13.54	22.61091
07 Feb 07	1.35	14.45	15.00	15.55	16.10	16.65	1.67	13.18	22.04637
08 Feb 07	1.50	13.80	14.35	14.90	15.45	16.00	1.67	12.67	21.12249
09 Feb 07	1.65	14.10	14.65	15.20	15.75	16.30	1.67	12.94	21.65748
12 Feb 07	1.30	14.20	14.75	15.30	15.85	16.40	1.68	12.97	21.75431
13 Feb 07	1.25	13.70	14.25	14.80	15.35	15.90	1.67	12.54	20.98943
14 Feb 07	1.20	13.60	14.15	14.70	15.25	15.80	1.67	12.45	20.84839
15 Feb 07	1.15	13.65	14.20	14.75	15.30	15.85	1.67	12.48	20.90178
16 Feb 07	1.15	13.70	14.25	14.80	15.35	15.90	1.67	12.53	20.90707
19 Feb 07	0.80	12.75	13.30	13.85	14.40	14.95	1.67	11.68	19.51137
20 Feb 07	0.90	12.25	12.80	13.30	13.80	14.35	1.67	11.23	18.78479
21 Feb 07	0.95	12.90	13.45	14.00	14.55	15.10	1.66	11.83	19.63965
22 Feb 07	0.90	13.05	13.60	14.15	14.70	15.25	1.66	11.94	19.86368
23 Feb 07	0.95	14.05	15.05	15.60	16.15	16.70	1.66	13.08	21.75623
26 Feb 07	1.00	15.30	15.85	16.40	16.95	17.50	1.66	13.83	22.98063
27 Feb 07	1.00	15.00	15.60	16.15	16.70	17.30	1.67	13.63	22.77724
28 Feb 07	0.95	14.90	15.45	16.00	16.55	17.10	1.68	13.49	22.63226
01 Mar 07	1.00	15.25	15.75	16.30	16.80	17.35	1.68	13.74	23.06199
02 Mar 07	1.10	14.85	15.40	15.95	16.50	17.05	1.69	13.48	22.71238
05 Mar 07	1.00	13.65	14.20	14.75	15.30	15.85	1.70	12.46	21.16049
06 Mar 07	1.05	13.75	14.30	14.80	15.30	15.85	1.69	12.51	21.18086
07 Mar 07	1.15	14.25	14.80	15.35	15.90	16.45	1.69	12.98	21.95731
08 Mar 07	1.15	14.75	15.30	15.80	16.40	16.95	1.69	13.39	22.60398
09 Mar 07	1.35	14.80	15.35	15.85	16.40	16.95	1.68	13.45	22.60002
12 Mar 07	1.35	15.10	15.65	16.20	16.75	17.30	1.68	13.73	23.04817
13 Mar 07	1.25	15.00	15.60	16.20	16.80	17.40	1.68	13.71	23.07543
14 Mar 07	1.25	15.00	15.60	16.15	16.75	17.35	1.68	13.68	23.05327
15 Mar 07	1.25	15.50	16.05	16.60	17.25	17.80	1.68	14.08	23.58853
16 Mar 07	1.20	15.45	16.00	16.55	17.10	17.65	1.67	13.99	23.38837
19 Mar 07	1.05	15.60	16.15	16.70	17.25	17.80	1.66	14.09	23.45152
20 Mar 07	1.05	16.50	17.05	17.60	18.15	18.70	1.66	14.84	24.59009
21 Mar 07	1.05	16.45	17.00	17.55	18.10	18.65	1.66	14.80	24.5198
22 Mar 07	1.00	16.45	17.00	17.50	18.05	18.60	1.65	14.77	24.40108
23 Mar 07	1.00	16.35	16.90	17.40	17.95	18.50	1.65	14.68	24.21753
26 Mar 07	1.00	17.25	17.80	18.35	18.90	19.45	1.65	15.46	25.43926
27 Mar 07	1.04	16.95	17.50	18.05	18.60	19.15	1.65	15.22	25.1223
28 Mar 07	1.20	17.34	17.86	18.39	18.91	19.44	1.65	15.52	25.66836
29 Mar 07	1.36	17.49	18.02	18.56	19.09	19.62	1.65	15.69	25.9364
30 Mar 07	1.31	17.48	18.03	18.58	19.13	19.68	1.65	15.70	25.91346
02 Apr 07	1.03	16.83	17.37	17.92	18.45	18.98	1.64	15.10	24.70646
03 Apr 07	0.90	15.89	16.45	17.00	17.55	18.00	1.64	14.30	23.45002
04 Apr 07	0.85	16.13	16.67	17.22	17.77	18.31	1.63	14.49	23.6464
05 Apr 07	0.83	16.58	17.13	17.68	18.23	18.78	1.64	14.87	24.35228
09 Apr 07	0.83	16.04	16.59	17.14	17.69	18.24	1.63	14.42	23.57839
10 Apr 07	0.83	16.65	17.20	17.70	18.30	18.85	1.63	14.92	24.25554
11 Apr 07	0.80	17.03	17.58	18.13	18.68	19.23	1.63	15.24	24.8194
12 Apr 07	0.80	17.45	17.98	18.53	19.08	19.63	1.63	15.58	25.33526
13 Apr 07	0.76	17.83	18.35	18.88	19.40	19.93	1.62	15.86	25.75274
16 Apr 07	0.72	17.82	18.37	18.92	19.47	20.02	1.63	15.89	25.83326

17 Apr 07	0.68	17.80	18.34	18.88	19.42	19.96	1.62	15.85	25.69997
18 Apr 07	0.56	17.50	18.03	18.58	19.13	19.68	1.62	15.58	25.28852
19 Apr 07	0.51	17.14	17.69	18.24	18.79	19.34	1.63	15.29	24.90997
20 Apr 07	0.63	17.45	17.95	18.50	19.03	19.55	1.62	15.52	25.18602
23 Apr 07	0.68	18.00	18.54	19.07	19.61	20.14	1.63	16.01	26.09704
24 Apr 07	0.68	18.04	18.56	19.08	19.60	20.12	1.65	16.01	26.41472
25 Apr 07	0.64	18.22	18.74	19.26	19.78	20.30	1.64	16.16	26.42358
26 Apr 07	0.54	18.08	18.60	19.13	19.65	20.18	1.65	16.03	26.38519
27 Apr 07	0.53	18.15	18.69	19.22	19.76	20.29	1.64	16.11	26.46763
30 Apr 07	0.53	19.01	19.54	20.07	20.60	21.13	1.64	16.81	27.62148
01 May 07	0.58	19.35	19.87	20.40	20.93	21.46	1.64	17.10	28.09598
02 May 07	0.56	18.98	19.43	19.90	20.46	20.96	1.65	16.72	27.53119
03 May 07	0.54	19.10	19.40	19.85	20.30	20.75	1.64	16.66	27.38741
04 May 07	0.54	19.31	19.60	20.05	20.50	20.95	1.65	16.83	27.839
07 May 07	0.53	19.78	20.10	20.50	20.90	21.30	1.65	17.19	28.32292
08 May 07	0.47	19.84	20.00	20.43	20.88	21.33	1.63	17.16	28.04816
09 May 07	0.40	19.62	19.95	20.42	20.90	21.37	1.63	17.11	27.9444
10 May 07	0.30	19.35	19.68	20.12	20.55	20.98	1.63	16.83	27.40397
11 May 07	0.32	19.90	20.23	20.60	20.95	21.30	1.63	17.22	28.00337
14 May 07	0.33	20.39	20.74	21.17	21.59	22.02	1.63	17.71	28.81306
15 May 07	0.29	20.60	20.93	21.43	21.93	22.43	1.63	17.94	29.2458
16 May 07	0.33	20.84	21.17	21.67	22.17	22.67	1.64	18.14	29.76581
17 May 07	0.30	21.43	21.77	22.18	22.70	23.15	1.64	18.59	30.44759
18 May 07	0.28	21.75	22.10	22.60	23.11	23.61	1.64	18.91	30.99948
21 May 07	0.30	22.01	22.34	22.80	23.25	23.70	1.64	19.07	31.24529
22 May 07	0.29	21.75	22.13	22.50	22.95	23.40	1.64	18.84	30.92028
23 May 07	0.29	22.12	22.43	22.87	23.30	23.73	1.63	19.12	31.24107
24 May 07	0.29	23.25	23.57	24.07	24.57	25.07	1.64	20.14	33.03074
25 May 07	0.29	24.08	24.38	24.85	25.33	25.80	1.64	20.79	34.15802
28 May 07	0.30	24.15	24.45	24.92	25.40	25.87	1.64	20.85	34.22042
29 May 07	0.27	25.15	25.45	26.02	26.43	26.90	1.64	21.70	35.65849
30 May 07	0.27	22.97	23.30	23.80	24.30	24.80	1.63	19.91	32.49604
31 May 07	0.29	23.00	23.38	23.85	24.35	23.80	1.62	19.78	32.12908
01 Jun 07	0.29	23.88	24.22	24.67	25.12	25.57	1.62	20.63	33.30987
04 Jun 07	0.29	24.61	24.92	25.37	25.80	26.10	1.62	21.18	34.24427
05 Jun 07	0.28	23.36	23.55	23.90	24.40	24.90	1.61	20.07	32.38773
06 Jun 07	0.29	23.35	23.63	24.03	24.45	24.80	1.61	20.09	32.28532
07 Jun 07	0.27	22.77	23.04	23.45	23.80	24.10	1.60	19.57	31.23245
08 Jun 07	0.27	23.03	23.32	23.73	24.15	24.57	1.58	19.85	31.42624
11 Jun 07	0.25	22.78	23.08	23.45	23.75	24.05	1.58	19.56	30.94313
12 Jun 07	0.24	22.70	23.00	23.40	23.85	24.30	1.58	19.58	30.96525
13 Jun 07	0.22	23.65	23.95	24.40	24.85	25.30	1.58	20.40	32.31789
14 Jun 07	0.19	23.65	23.95	24.40	24.85	25.30	1.59	20.39	32.4554
15 Jun 07	0.17	22.78	23.13	23.53	23.95	24.40	1.59	19.66	31.23534
18 Jun 07	0.14	21.90	22.10	22.48	22.85	23.23	1.59	18.78	29.86042
19 Jun 07	0.14	21.19	21.40	21.80	22.25	22.70	1.59	18.25	28.94531
20 Jun 07	0.13	21.84	22.07	22.52	22.97	23.42	1.59	18.83	29.89426
21 Jun 07	0.12	21.62	21.91	22.36	22.81	23.26	1.58	18.68	29.5228
22 Jun 07	0.12	21.89	22.13	22.57	23.00	23.43	1.59	18.86	29.99642
25 Jun 07	0.11	21.18	21.48	21.88	22.31	22.73	1.59	18.28	29.08463
26 Jun 07	0.13	21.07	21.37	21.84	22.17	22.57	1.59	18.19	28.93351
27 Jun 07	0.13	21.43	21.73	22.11	22.48	22.86	1.61	18.46	29.6323
28 Jun 07	0.14	22.36	22.67	22.99	23.31	23.61	1.59	19.18	30.45575
29 Jun 07	0.13	22.29	22.61	23.01	23.41	23.81	1.60	19.21	30.66152
02 Jul 07	0.14	21.70	22.02	22.40	22.82	23.22	1.59	18.72	29.68553
03 Jul 07	0.13	21.16	21.49	21.89	22.29	22.71	1.59	18.28	29.11019
04 Jul 07	0.13	21.05	21.38	21.76	22.25	22.70	1.59	18.21	28.89982
05 Jul 07	0.14	21.48	21.80	22.13	22.55	22.98	1.59	18.51	29.39526
06 Jul 07	0.15	21.80	22.15	22.53	23.00	23.43	1.59	18.84	29.91936
09 Jul 07	0.14	21.12	21.45	21.74	22.16	22.58	1.58	18.20	28.82585
10 Jul 07	0.14	21.00	21.33	21.70	22.07	22.44	1.59	18.11	28.86603
11 Jul 07	0.14	20.67	21.00	21.40	21.75	22.04	1.59	17.83	28.44288
12 Jul 07	0.13	19.79	20.13	20.50	20.88	21.28	1.59	17.12	27.2581
13 Jul 07	0.13	19.89	20.21	20.63	21.02	21.40	1.59	17.21	27.28581
16 Jul 07	0.13	18.88	19.23	19.60	19.97	20.33	1.58	16.36	25.85294

17 Jul 07	0.14	19.25	19.58	19.93	20.28	20.63	1.58	16.64	26.27426
18 Jul 07	0.13	18.91	19.28	19.65	20.05	20.46	1.57	16.41	25.80774
19 Jul 07	0.12	19.35	19.72	20.10	20.50	20.85	1.57	16.77	26.30958
20 Jul 07	0.13	19.58	19.96	20.34	20.73	21.13	1.57	16.98	26.67855
23 Jul 07	0.12	19.25	19.62	20.00	20.34	20.72	1.56	16.68	26.05515
24 Jul 07	0.12	19.30	19.69	20.09	20.46	20.84	1.57	16.75	26.24944
25 Jul 07	0.12	19.98	20.38	20.75	21.13	21.50	1.55	17.31	26.87368
26 Jul 07	0.12	20.07	20.48	20.84	21.26	21.59	1.58	17.39	27.42546
27 Jul 07	0.12	20.30	20.68	21.00	21.42	21.79	1.60	17.55	28.08664
30 Jul 07	0.11	20.85	21.24	21.63	22.02	22.41	1.60	18.04	28.90214
31 Jul 07	0.12	21.15	21.54	21.92	22.30	22.68	1.61	18.29	29.39249
01 Aug 07	0.11	20.46	20.90	21.26	21.65	22.07	1.60	17.74	28.4428
02 Aug 07	0.09	20.70	21.11	21.48	21.88	22.30	1.60	17.93	28.62104
03 Aug 07	0.09	20.39	20.81	21.21	21.59	22.02	1.61	17.69	28.50051
06 Aug 07	0.09	19.60	20.02	20.42	20.82	21.23	1.61	17.03	27.35048
07 Aug 07	0.09	20.05	20.44	20.84	21.24	21.64	1.61	17.38	27.90389
08 Aug 07	0.10	19.91	20.32	20.74	21.14	21.55	1.60	17.29	27.6765
09 Aug 07	0.10	19.65	20.08	20.48	20.89	21.30	1.61	17.08	27.48092
10 Aug 07	0.10	19.06	19.49	19.87	20.27	20.68	1.62	16.58	26.8795
13 Aug 07	0.10	19.60	20.00	20.37	20.78	21.20	1.62	17.01	27.46914
14 Aug 07	0.11	19.40	19.86	20.29	20.69	21.15	1.62	16.92	27.43453
15 Aug 07	0.11	19.65	20.13	20.58	21.01	21.50	1.64	17.16	28.11958
16 Aug 07	0.11	19.29	19.77	20.24	20.73	21.24	1.70	16.90	28.64707
17 Aug 07	0.11	19.40	19.90	20.37	20.85	21.36	1.69	17.00	28.73782
20 Aug 07	0.11	19.20	19.77	20.24	20.74	21.25	1.67	16.89	28.21618
21 Aug 07	0.11	19.18	19.81	20.42	21.01	21.60	1.68	17.02	28.60451
22 Aug 07	0.11	18.63	19.30	19.94	20.59	21.23	1.68	16.63	27.92238
23 Aug 07	0.11	18.81	19.49	20.17	20.90	21.62	1.65	16.85	27.86721
24 Aug 07	0.11	18.63	19.30	19.99	20.71	21.44	1.65	16.70	27.60736
27 Aug 07	0.11	18.40	19.05	19.75	20.45	21.20	1.65	16.49	27.14256
28 Aug 07	0.11	19.38	20.00	20.66	21.32	21.97	1.67	17.24	28.7443
29 Aug 07	0.10	19.93	20.53	21.02	21.67	22.39	1.66	17.61	29.2995
30 Aug 07	0.11	19.40	19.99	20.59	21.16	21.75	1.67	17.17	28.7096
31 Aug 07	0.10	19.40	19.98	20.59	21.19	21.78	1.66	17.17	28.584
03 Sep 07	0.10	19.77	20.37	20.97	21.57	22.17	1.66	17.49	29.0313
04 Sep 07	0.10	20.91	21.50	22.09	22.68	23.27	1.65	18.43	30.41615
05 Sep 07	0.10	20.25	20.85	21.45	22.05	22.65	1.66	17.89	29.6761
06 Sep 07	0.10	20.53	21.13	21.73	22.33	22.93	1.65	18.13	29.91174
07 Sep 07	0.10	20.47	21.07	21.67	22.27	22.87	1.66	18.08	30.08272
10 Sep 07	0.09	20.31	20.91	21.51	22.11	22.71	1.67	17.94	29.99247
11 Sep 07	0.08	20.76	21.37	21.97	22.57	23.17	1.66	18.32	30.36612
12 Sep 07	0.09	21.10	21.70	22.30	22.90	23.50	1.65	18.60	30.67734
13 Sep 07	0.07	20.53	21.14	21.73	22.35	22.92	1.65	18.12	29.91644
14 Sep 07	0.07	20.70	21.29	21.87	22.46	23.05	1.65	18.24	30.03409
17 Sep 07	0.07	20.54	21.10	21.67	22.23	22.80	1.67	18.07	30.10479
18 Sep 07	0.06	20.80	21.30	21.80	22.35	22.90	1.64	18.20	29.87004
19 Sep 07	0.08	21.28	21.76	22.26	22.75	23.30	1.63	18.57	30.28864
20 Sep 07	0.08	21.77	22.22	22.67	23.12	23.57	1.63	18.91	30.854
21 Sep 07	0.08	21.75	22.20	22.75	23.25	23.75	1.63	18.96	30.88679
24 Sep 07	0.08	21.75	22.24	22.73	23.22	23.71	1.62	18.96	30.75356
25 Sep 07	0.08	21.39	21.86	22.34	22.83	23.32	1.62	18.64	30.18538
26 Sep 07	0.08	21.30	21.77	22.23	22.70	23.17	1.61	18.54	29.90787
27 Sep 07	0.08	21.60	22.06	22.54	23.00	23.47	1.61	18.79	30.18671
28 Sep 07	0.08	21.68	22.13	22.58	23.04	23.63	1.61	18.86	30.28556
01 Oct 07	0.07	21.60	22.10	22.58	23.06	23.60	1.59	18.84	29.98107
02 Oct 07	0.08	21.70	22.20	22.72	23.20	23.85	1.60	18.96	30.32972
03 Oct 07	0.07	21.38	21.91	22.46	22.98	23.60	1.60	18.73	29.92609
04 Oct 07	0.07	21.56	22.14	22.71	23.25	24.01	1.59	18.96	30.18307
05 Oct 07	0.11	21.52	22.11	22.70	23.30	24.07	1.57	18.97	29.86136
08 Oct 07	0.07	21.67	22.21	22.78	23.34	23.97	1.57	19.01	29.90683
09 Oct 07	0.07	21.65	22.23	22.83	23.45	24.10	1.57	19.06	29.87685
10 Oct 07	0.07	22.18	22.77	23.39	24.02	24.67	1.58	19.52	30.75463
11 Oct 07	0.07	22.36	22.92	23.53	24.16	24.80	1.58	19.64	30.95153
12 Oct 07	0.07	22.35	22.93	23.54	24.17	24.82	1.57	19.65	30.81702
15 Oct 07	0.07	22.60	23.18	23.70	24.32	24.95	1.58	19.80	31.31627

16 Oct 07	0.07	22.82	23.38	23.95	24.52	25.13	1.60	19.98	31.92515
17 Oct 07	0.07	23.00	23.52	24.10	24.68	25.46	1.60	20.14	32.12371
18 Oct 07	0.07	22.83	23.40	23.97	24.55	25.20	1.60	20.00	31.9165
19 Oct 07	0.07	22.62	23.16	23.72	24.29	24.92	1.60	19.80	31.73678
22 Oct 07	0.07	22.16	22.71	23.27	23.84	24.43	1.60	19.41	31.10248
23 Oct 07	0.07	22.34	22.89	23.45	24.01	24.61	1.59	19.56	31.06344
24 Oct 07	0.07	22.55	23.09	23.66	24.23	24.83	1.58	19.74	31.21732
25 Oct 07	0.07	22.78	23.32	23.97	24.52	25.17	1.58	19.97	31.4949
26 Oct 07	0.07	22.72	23.31	23.88	24.44	25.00	1.57	19.90	31.19099
29 Oct 07	0.07	22.88	23.48	24.02	24.60	25.20	1.57	20.04	31.39359
30 Oct 07	0.07	22.17	22.76	23.29	23.87	24.46	1.57	19.44	30.47857
31 Oct 07	0.09	22.27	22.81	23.39	23.99	24.59	1.55	19.52	30.33085
01 Nov 07	0.08	21.70	22.26	22.83	23.41	23.98	1.57	19.04	29.98741
02 Nov 07	0.08	21.50	22.05	22.66	23.20	23.76	1.57	18.88	29.7235
05 Nov 07	0.07	21.50	22.05	22.61	23.17	23.74	1.57	18.86	29.65774
06 Nov 07	0.07	21.52	22.02	22.57	23.14	23.70	1.57	18.84	29.60364
07 Nov 07	0.10	21.62	22.17	22.72	23.27	23.83	1.57	18.95	29.82651
08 Nov 07	0.11	21.65	22.18	22.73	23.28	23.84	1.59	18.97	30.09927
09 Nov 07	0.10	21.85	22.38	22.92	23.47	24.02	1.60	19.12	30.662
12 Nov 07	0.10	21.91	22.44	22.99	23.56	24.15	1.65	19.19	31.60596
13 Nov 07	0.10	22.30	22.86	23.41	23.97	24.65	1.64	19.55	32.03947
14 Nov 07	0.09	22.97	23.51	24.11	24.71	25.41	1.63	20.13	32.83444
15 Nov 07	0.09	22.60	23.14	23.73	24.35	25.07	1.65	19.83	32.63054
16 Nov 07	0.08	22.54	23.09	23.69	24.32	25.04	1.64	19.79	32.54896
19 Nov 07	0.08	22.85	23.37	23.94	24.55	25.29	1.66	20.01	33.19107
20 Nov 07	0.07	23.74	24.29	24.91	25.53	26.34	1.68	20.81	34.8696
21 Nov 07	0.07	23.72	24.23	24.83	25.45	26.16	1.70	20.74	35.28591
22 Nov 07	0.08	23.70	24.21	24.81	25.41	26.18	1.70	20.73	35.34644
23 Nov 07	0.08	23.69	24.21	24.81	25.41	26.20	1.69	20.73	35.12168
26 Nov 07	0.07	23.80	24.31	24.91	25.54	26.35	1.70	20.83	35.4071
27 Nov 07	0.07	23.53	24.02	24.62	25.24	26.03	1.70	20.59	34.93923
28 Nov 07	0.07	23.29	23.81	24.41	25.01	25.82	1.67	20.40	34.0131
29 Nov 07	0.04	22.70	23.23	23.82	24.43	25.23	1.68	19.91	33.36222
30 Nov 07	0.01	22.35	22.88	23.46	24.09	24.89	1.66	19.61	32.58973
03 Dec 07	0.03	22.98	23.49	24.07	24.71	25.53	1.66	20.14	33.50572
04 Dec 07	0.03	23.40	23.94	24.55	25.18	25.99	1.69	20.52	34.64022
05 Dec 07	0.03	22.81	23.35	23.96	24.58	25.39	1.68	20.02	33.64083
06 Dec 07	0.03	22.77	23.31	23.92	24.52	25.32	1.67	19.98	33.42526
07 Dec 07	0.03	22.30	22.85	23.46	24.02	24.82	1.67	19.58	32.67786
10 Dec 07	0.03	22.43	22.97	23.55	24.13	24.93	1.66	19.67	32.73175
11 Dec 07	0.03	22.51	23.06	23.63	24.23	25.02	1.66	19.75	32.69498
12 Dec 07	0.03	22.70	23.22	23.81	24.40	25.22	1.66	19.90	33.12573
13 Dec 07	0.03	22.80	23.35	23.92	24.53	25.32	1.67	19.99	33.34791
14 Dec 07	0.03	22.65	23.17	23.75	24.37	25.16	1.67	19.86	33.20868
17 Dec 07	0.01	22.35	22.87	23.45	24.03	24.83	1.68	19.59	32.84219
18 Dec 07		22.60	23.14	23.72	24.32	25.09	1.68	23.77	39.90794
19 Dec 07		22.45	22.99	23.58	24.21	25.03	1.67	23.65	39.59729
20 Dec 07		22.30	22.84	23.42	24.05	24.82	1.67	23.49	39.24157
21 Dec 07		21.93	22.53	23.11	23.72	24.48	1.66	23.15	38.38501
24 Dec 07		22.00	22.55	23.11	23.73	24.51	1.65	23.18	38.33998
27 Dec 07		21.87	22.38	22.97	23.65	24.43	1.67	23.06	38.4317
28 Dec 07		22.21	22.72	23.28	23.91	24.75	1.68	23.37	39.35953
31 Dec 07		22.41	22.94	23.51	24.14	24.97	1.67	23.59	39.29199
02 Jan 08		22.92	23.46	24.05	24.74	25.43	1.67	24.12	40.25339
03 Jan 08		23.54	24.06	24.65	25.31	26.12	1.67	24.74	41.39918
04 Jan 08		23.55	24.07	24.63	25.32	26.12	1.69	24.74	41.80943
07 Jan 08		23.66	24.18	24.77	25.43	26.25	1.69	24.86	41.97292
08 Jan 08		23.70	24.23	24.84	25.43	26.29	1.66	24.90	41.44697
09 Jan 08		23.42	23.95	24.55	25.18	26.00	1.67	24.62	41.03065
10 Jan 08		23.11	23.66	24.24	24.88	25.67	1.65	24.31	40.23441
11 Jan 08		23.11	23.63	24.21	24.70	25.67	1.66	24.26	40.25358
14 Jan 08		23.41	23.93	24.50	25.12	25.99	1.66	24.59	40.75092
15 Jan 08		23.17	23.69	24.28	24.91	25.74	1.67	24.36	40.62308
16 Jan 08		22.75	23.24	23.84	24.49	25.33	1.67	23.93	39.94965
17 Jan 08		22.23	22.70	23.26	23.87	24.80	1.66	23.38	38.89919

18 Jan 08	22.28	22.76	23.31	23.94	24.86	1.66	23.43	39.00453
21 Jan 08	20.84	21.32	21.85	22.45	23.40	1.68	21.97	36.86012
22 Jan 08	20.31	20.78	21.32	21.98	22.88	1.68	21.45	36.05817
23 Jan 08	20.03	20.50	21.04	21.68	22.57	1.68	21.16	35.57712
24 Jan 08	19.76	20.21	20.75	21.39	22.33	1.68	20.89	35.04732
25 Jan 08	21.04	21.48	22.01	22.65	23.60	1.67	22.16	36.98396
28 Jan 08	20.65	21.10	21.63	22.28	23.21	1.67	21.77	36.30423
29 Jan 08	20.70	21.17	21.69	22.33	23.25	1.66	21.83	36.31657
30 Jan 08	20.08	20.55	21.08	21.72	22.65	1.66	21.22	35.29403
31 Jan 08	19.10	19.57	20.10	20.75	21.66	1.66	20.24	33.49178
01 Feb 08	19.22	19.67	20.20	20.84	21.76	1.64	20.34	33.39355
04 Feb 08	19.19	19.67	20.18	20.82	21.74	1.63	20.32	33.15496
05 Feb 08	18.84	19.33	19.84	20.47	21.39	1.63	19.97	32.60759
06 Feb 08	19.97	20.45	20.97	21.65	22.61	1.63	21.13	34.47446
07 Feb 08	20.44	20.90	21.42	22.10	23.03	1.62	21.58	34.91431
08 Feb 08	20.39	20.88	21.41	22.10	23.03	1.62	21.56	34.95125
11 Feb 08	20.16	20.63	21.18	21.87	22.80	1.60	21.33	34.22835
12 Feb 08	19.97	20.43	21.01	21.72	22.66	1.61	21.16	34.12043
13 Feb 08	19.93	20.41	20.98	21.68	22.61	1.63	21.12	34.43073
14 Feb 08	20.72	21.21	21.81	22.46	23.40	1.62	21.92	35.50431
15 Feb 08	20.87	21.35	21.95	22.61	23.59	1.62	22.07	35.69107
18 Feb 08	20.93	21.41	22.01	22.69	23.65	1.61	22.14	35.53493
19 Feb 08	21.64	22.13	22.74	23.42	24.37	1.60	22.86	36.55542
20 Feb 08	21.50	22.00	22.60	23.25	24.21	1.60	22.71	36.38971
21 Feb 08	21.70	22.18	22.81	23.51	24.45	1.61	22.93	36.95066
22 Feb 08	21.48	21.96	22.61	23.28	24.22	1.61	22.71	36.51943
25 Feb 08	21.59	22.09	22.74	23.34	24.31	1.60	22.81	36.58847
26 Feb 08	21.35	21.85	22.50	23.15	24.11	1.60	22.59	36.22305
27 Feb 08	21.26	21.78	22.41	23.10	24.05	1.61	22.52	36.18808
28 Feb 08	21.16	21.66	22.31	23.02	23.93	1.60	22.42	35.91915
29 Feb 08	21.31	21.83	22.51	23.21	24.15	1.63	22.60	36.72835
03 Mar 08	20.88	21.40	22.14	22.80	23.74	1.62	22.19	35.86616
04 Mar 08	20.67	21.19	21.91	22.66	23.59	1.65	22.00	36.26339
05 Mar 08	21.24	21.78	22.51	23.26	24.20	1.64	22.60	37.05659
06 Mar 08	21.35	21.89	22.62	23.36	24.30	1.66	22.70	37.5969
07 Mar 08	21.38	21.92	22.67	23.40	24.34	1.65	22.74	37.56517
10 Mar 08	21.66	22.21	23.03	23.88	24.77	1.67	23.11	38.62803
11 Mar 08	21.86	22.41	23.14	23.88	24.86	1.65	23.23	38.42859
12 Mar 08	21.95	22.48	23.19	24.02	24.98	1.66	23.32	38.69784
13 Mar 08	22.55	23.10	23.81	24.64	25.59	1.65	23.94	39.44987
14 Mar 08	22.21	22.76	23.52	24.30	25.28	1.67	23.61	39.48375
17 Mar 08	21.43	21.97	22.65	23.45	24.38	1.71	22.78	39.0027
18 Mar 08	21.66	22.22	22.92	23.73	24.67	1.69	23.04	38.98855
19 Mar 08	21.56	22.12	22.83	23.63	24.60	1.71	22.95	39.12914
20 Mar 08	21.97	22.54	23.26	24.05	25.02	1.71	23.37	40.06845
25 Mar 08	22.54	23.12	23.83	24.64	25.60	1.70	23.95	40.76307
26 Mar 08	22.51	23.10	23.79	24.55	25.56	1.72	23.90	41.16311
27 Mar 08	22.26	22.84	23.53	24.31	25.28	1.71	23.64	40.53072
28 Mar 08	21.76	22.34	23.02	23.77	24.75	1.72	23.13	39.76914
31 Mar 08	22.27	22.85	23.53	24.29	25.28	1.73	23.64	40.84975
01 Apr 08	22.52	23.10	23.81	24.54	25.53	1.72	23.90	41.17891
02 Apr 08	23.42	24.00	24.71	25.43	26.41	1.72	24.79	42.52716
03 Apr 08	23.47	24.09	24.79	25.51	26.50	1.71	24.87	42.5176
04 Apr 08	23.31	23.96	24.61	25.35	26.34	1.70	24.71	42.1265
07 Apr 08	23.82	24.48	25.15	25.86	26.85	1.70	25.23	42.7728
08 Apr 08	23.51	24.18	24.87	25.58	26.55	1.69	24.94	42.11126
09 Apr 08	23.69	24.35	25.05	25.76	26.74	1.70	25.12	42.80502
10 Apr 08	24.44	25.08	25.78	26.50	27.48	1.69	25.86	43.6506
11 Apr 08	24.38	25.01	25.70	26.44	27.43	1.70	25.79	43.89006
14 Apr 08	25.00	25.63	26.34	27.09	28.07	1.71	26.43	45.16074
15 Apr 08	25.14	25.78	26.47	27.23	28.22	1.71	26.57	45.37995
16 Apr 08	24.80	25.45	26.15	26.90	27.89	1.70	26.24	44.54426
17 Apr 08	24.69	25.35	26.07	26.81	27.80	1.70	26.14	44.35405
18 Apr 08	24.51	25.16	25.87	26.65	27.64	1.69	25.97	43.92773
21 Apr 08	25.23	25.87	26.70	27.39	28.38	1.69	26.71	45.12068

22 Apr 08	25.34	25.99	26.76	27.46	28.45	1.69	26.80	45.34755
23 Apr 08	25.00	25.66	26.38	27.10	28.09	1.67	26.45	44.24457
24 Apr 08	24.51	25.13	25.87	26.61	27.55	1.67	25.93	43.24395
25 Apr 08	24.74	25.38	26.13	26.87	27.86	1.67	26.20	43.81191
28 Apr 08	24.63	25.27	26.01	26.79	27.78	1.67	26.10	43.50298
29 Apr 08	24.19	24.84	25.58	26.34	27.33	1.67	25.66	42.74743
30 Apr 08	23.88	24.54	25.31	26.04	27.03	1.66	25.36	41.98501
01 May 08	23.56	24.22	24.95	25.67	26.66	1.65	25.01	41.39147
02 May 08	24.50	25.15	25.81	26.51	27.39	1.65	25.87	42.59338
06 May 08	25.31	25.97	26.69	27.45	28.43	1.63	26.77	43.73038
07 May 08	25.03	25.67	26.40	27.18	28.13	1.63	26.48	43.2878
08 May 08	24.91	25.55	26.27	27.04	27.98	1.63	26.35	42.97012
09 May 08	25.17	25.82	26.52	27.29	28.28	1.64	26.62	43.68162
12 May 08	25.39	26.02	26.74	27.52	28.52	1.64	26.84	44.02195
13 May 08	25.04	25.67	26.37	27.14	28.14	1.64	26.47	43.52495
14 May 08	24.46	25.06	25.78	26.56	27.56	1.65	25.88	42.82814
15 May 08	24.68	25.30	26.01	26.76	27.75	1.64	26.10	42.85479
16 May 08	24.89	25.48	26.21	26.95	27.93	1.63	26.29	42.92659
19 May 08	25.31	25.91	26.61	27.33	28.33	1.63	26.70	43.42471
20 May 08	25.36	25.97	26.66	27.39	28.39	1.63	26.75	43.73289
21 May 08	25.73	26.35	27.03	27.78	28.77	1.64	27.13	44.49296
22 May 08	26.06	26.68	27.41	28.10	29.08	1.64	27.47	45.15804
23 May 08	26.11	26.72	27.41	28.14	29.14	1.64	27.50	45.1612
26 May 08	26.38	26.90	27.40	27.95	28.90	1.64	27.51	45.14669
27 May 08	26.34	26.95	27.59	28.31	29.30	1.64	27.70	45.3306
28 May 08	26.19	26.77	27.42	28.10	29.09	1.63	27.51	44.71786
29 May 08	26.59	27.15	27.79	28.53	29.44	1.62	27.90	45.21162
30 May 08	26.10	26.69	27.33	28.05	29.01	1.63	27.44	44.62325
02 Jun 08	26.34	26.93	27.56	28.29	29.26	1.63	27.68	45.0327
03 Jun 08	27.13	27.74	28.39	29.08	30.09	1.62	28.49	46.26918
04 Jun 08	26.60	27.21	27.84	28.56	29.56	1.61	27.95	45.08449
05 Jun 08	26.44	27.05	27.69	28.46	29.49	1.63	27.83	45.27264
06 Jun 08	27.54	28.17	28.86	29.59	30.65	1.64	28.96	47.434
09 Jun 08	27.49	28.13	28.79	29.55	30.61	1.65	28.91	47.58534
10 Jun 08	27.20	27.84	28.52	29.27	30.34	1.63	28.63	46.7696
11 Jun 08	27.32	27.97	28.63	29.39	30.45	1.64	28.75	47.22145
12 Jun 08	27.16	27.81	28.47	29.24	30.29	1.65	28.59	47.1781
13 Jun 08	27.00	27.65	28.32	29.08	30.14	1.64	28.44	46.53096
16 Jun 08	27.13	27.77	28.45	29.22	30.29	1.65	28.57	47.00462
17 Jun 08	27.24	27.87	28.55	29.31	30.37	1.64	28.67	47.10205
18 Jun 08	27.50	28.16	28.84	29.60	30.71	1.64	28.96	47.52291
19 Jun 08	27.64	28.33	29.04	29.84	31.04	1.63	29.18	47.54445
20 Jun 08	27.41	28.11	28.83	29.63	30.83	1.64	28.96	47.4221
23 Jun 08	27.77	28.50	29.28	30.10	31.35	1.63	29.40	47.95882
24 Jun 08	27.78	28.63	29.45	30.39	31.72	1.63	29.59	48.25329
25 Jun 08	27.59	28.42	29.27	30.26	31.66	1.63	29.44	48.11121
26 Jun 08	27.88	28.81	29.77	30.86	32.28	1.65	29.92	49.2969
27 Jun 08	28.34	29.29	30.24	31.42	32.82	1.64	30.42	50.00249
30 Jun 08	28.77	29.80	30.79	31.93	33.37	1.64	30.93	50.82857
01 Jul 08	29.33	30.53	31.71	32.90	34.38	1.66	31.77	52.59106
02 Jul 08	27.99	29.19	30.26	31.49	32.85	1.65	30.36	50.07561
03 Jul 08	27.45	28.64	29.74	30.98	32.46	1.63	29.85	48.78912
04 Jul 08	27.64	29.00	30.10	31.17	32.70	1.63	30.12	49.06976
07 Jul 08	27.51	28.67	29.82	30.92	32.32	1.64	29.85	49.05391
08 Jul 08	25.79	26.85	27.88	28.99	30.34	1.64	27.97	45.8877
09 Jul 08	26.02	27.11	28.12	29.17	30.51	1.65	28.19	46.42521
10 Jul 08	26.68	27.87	28.94	30.06	31.53	1.64	29.02	47.57756
11 Jul 08	27.45	28.75	29.85	31.00	32.48	1.65	29.91	49.29654
14 Jul 08	27.26	28.56	29.64	30.78	32.27	1.64	29.70	48.59725
15 Jul 08	26.32	27.61	28.71	29.85	31.32	1.62	28.76	46.72425
16 Jul 08	25.03	26.20	27.23	28.17	29.49	1.62	27.22	44.19855
17 Jul 08	25.76	26.89	27.85	28.82	30.17	1.63	27.90	45.55694
18 Jul 08	24.50	25.61	26.47	27.54	28.95	1.63	26.61	43.44138
21 Jul 08	24.49	25.59	26.52	27.49	28.79	1.63	26.58	43.32397
22 Jul 08	24.67	25.83	26.75	27.78	29.11	1.62	26.83	43.59012

23 Jul 08	24.74	25.85	26.89	27.99	29.31	1.63	26.96	43.95184
24 Jul 08	25.14	26.32	27.39	28.50	29.85	1.63	27.44	44.83007
25 Jul 08	24.94	26.11	27.21	28.38	29.68	1.64	27.26	44.74414
28 Jul 08	24.41	25.53	26.57	27.68	28.99	1.65	26.64	43.82655
29 Jul 08	23.63	24.72	25.76	26.85	28.08	1.64	25.81	42.22642
30 Jul 08	22.70	23.79	24.81	25.85	27.06	1.65	24.84	41.0125
31 Jul 08	22.06	23.10	24.12	25.17	26.39	1.66	24.17	40.00885
01 Aug 08	21.38	22.38	23.36	24.42	25.64	1.67	23.44	39.20562
04 Aug 08	21.21	22.25	23.26	24.31	25.56	1.68	23.32	39.08238
05 Aug 08	21.67	22.70	23.71	24.76	25.98	1.69	23.76	40.11076
06 Aug 08	22.26	23.33	24.37	25.49	26.76	1.70	24.44	41.46208
07 Aug 08	22.82	23.89	24.97	26.15	27.42	1.69	25.05	42.35241
08 Aug 08	22.61	23.70	24.73	25.83	27.09	1.69	24.79	41.87277
11 Aug 08	22.65	23.74	24.80	25.90	27.21	1.69	24.86	41.95868
12 Aug 08	23.31	24.38	25.38	26.59	27.93	1.71	25.52	43.52341
13 Aug 08	23.67	24.78	25.81	26.97	28.28	1.70	25.90	44.12736
14 Aug 08	23.43	24.50	25.52	26.64	27.95	1.70	25.61	43.54502
15 Aug 08	23.19	24.22	25.20	26.34	27.60	1.69	25.31	42.87255
18 Aug 08	23.59	24.68	25.68	26.80	28.07	1.69	25.76	43.64002
19 Aug 08	23.73	24.78	25.76	26.86	28.14	1.70	25.85	43.84158
20 Aug 08	24.42	25.49	26.50	27.61	28.92	1.69	26.59	44.89045
21 Aug 08	24.72	25.80	26.80	27.93	29.26	1.69	26.90	45.52285
22 Aug 08	24.58	25.67	26.67	27.80	29.13	1.70	26.77	45.63108
25 Aug 08	24.37	25.46	26.50	27.67	29.07	1.71	26.61	45.47093
26 Aug 08	24.72	25.81	26.80	27.92	29.25	1.71	26.90	46.0443
27 Aug 08	25.14	26.25	27.27	28.32	29.67	1.71	27.33	46.86389
28 Aug 08	25.17	26.28	27.27	28.40	29.74	1.71	27.37	46.69375
29 Aug 08	25.19	26.29	27.24	28.38	29.68	1.71	27.36	46.73668
01 Sep 08	24.96	26.06	27.00	28.14	29.45	1.72	27.12	46.56483
02 Sep 08	24.72	25.80	26.74	27.84	29.14	1.73	26.85	46.44418
03 Sep 08	24.45	25.52	26.47	27.61	28.91	1.73	26.59	46.13678
04 Sep 08	24.65	25.72	26.68	27.84	29.13	1.74	26.80	46.59812
05 Sep 08	24.40	25.46	26.42	27.57	28.86	1.75	26.54	46.46062
08 Sep 08	24.19	25.25	26.20	27.25	28.55	1.73	26.29	45.46833
09 Sep 08	22.86	23.91	24.84	25.87	27.06	1.76	24.91	43.89645
10 Sep 08	22.77	23.81	24.76	25.71	26.96	1.75	24.80	43.35807
11 Sep 08	23.07	24.11	25.03	25.99	27.24	1.74	25.09	43.66609
12 Sep 08	23.90	24.95	25.79	26.82	28.07	1.73	25.91	44.75251
15 Sep 08	23.03	24.07	24.94	25.94	27.20	1.77	25.04	44.36289
16 Sep 08	22.91	23.93	24.81	25.78	27.07	1.77	24.90	43.9805
17 Sep 08	23.25	24.29	25.17	26.19	27.50	1.80	25.28	45.58944
18 Sep 08	23.78	24.83	25.71	26.74	28.04	1.79	25.82	46.10504
19 Sep 08	24.68	25.73	26.61	27.66	28.98	1.73	26.73	46.36375
22 Sep 08	24.85	25.89	26.75	27.83	29.15	1.75	26.89	46.97557
23 Sep 08	25.06	26.05	26.84	27.94	29.27	1.76	27.03	47.47831
24 Sep 08	24.65	25.57	26.32	27.43	28.69	1.75	26.53	46.53646
25 Sep 08	24.67	25.55	26.27	27.32	28.53	1.75	26.47	46.31071
26 Sep 08	24.45	25.43	26.17	27.20	28.50	1.76	26.35	46.35731
29 Sep 08	23.19	24.11	24.84	25.89	27.14	1.80	25.03	45.058
30 Sep 08	22.35	23.29	24.05	25.06	26.23	1.78	24.20	43.08924
01 Oct 08	22.83	23.84	24.56	25.59	26.82	1.78	24.73	43.94033
02 Oct 08	23.14	24.09	24.85	25.90	27.10	1.79	25.02	44.65754
03 Oct 08	23.07	24.01	24.80	25.82	27.01	1.78	24.94	44.35694
06 Oct 08	22.08	23.01	23.77	24.75	25.90	1.92	23.90	45.79248
07 Oct 08	22.25	23.09	23.78	24.69	25.77	1.91	23.92	45.59981
08 Oct 08	21.81	22.60	23.23	24.19	25.29	2.02	23.42	47.40562
09 Oct 08	22.50	23.36	24.01	24.96	26.15	1.96	24.20	47.41924
10 Oct 08	22.04	22.81	23.42	24.30	25.44	2.09	23.60	49.35742
13 Oct 08	22.84	23.40	23.98	24.88	25.94	1.99	24.21	48.09132
14 Oct 08	23.29	23.80	24.42	25.29	26.34	1.95	24.63	48.11227
15 Oct 08	22.82	23.31	24.01	24.90	25.97	2.01	24.20	48.55645
16 Oct 08	21.91	22.67	23.42	24.21	25.45	1.96	23.53	46.131
17 Oct 08	21.68	22.43	23.19	24.08	25.27	1.94	23.33	45.17594
20 Oct 08	21.80	22.49	23.26	24.21	25.38	1.90	23.43	44.48063
21 Oct 08	21.25	21.87	22.62	23.55	24.73	1.92	22.80	43.70486

22 Oct 08	19.90	20.57	21.25	22.19	23.40	1.91	21.46	41.05031
23 Oct 08	20.19	20.74	21.35	22.27	23.48	1.96	21.61	42.43386
24 Oct 08	19.14	19.70	20.28	21.19	22.32	2.03	20.53	41.67081
27 Oct 08	17.87	18.37	18.83	19.52	20.51	2.06	19.02	39.25081
28 Oct 08	17.63	18.15	18.54	19.19	20.16	1.98	18.73	37.08089
29 Oct 08	18.45	18.98	19.39	20.00	21.01	1.93	19.57	37.69849
30 Oct 08	18.12	18.70	19.14	19.76	20.85	1.90	19.31	36.74986
31 Oct 08	17.94	18.55	18.94	19.48	20.58	1.91	19.12	36.44567
03 Nov 08	18.25	18.88	19.24	19.82	20.95	1.86	19.43	36.22173
04 Nov 08	18.94	19.57	19.97	20.57	21.69	1.87	20.15	37.5967
05 Nov 08	18.54	19.17	19.60	20.23	21.35	1.88	19.78	37.11883
06 Nov 08	18.20	18.82	19.26	19.87	21.00	1.91	19.43	37.06866
07 Nov 08	18.69	19.34	19.75	20.43	21.65	1.89	19.97	37.69669
10 Nov 08	18.51	19.15	19.65	20.43	21.64	1.90	19.88	37.81081
11 Nov 08	17.94	18.60	19.15	19.92	21.13	1.91	19.35	36.91023
12 Nov 08	17.95	18.55	19.05	19.82	20.91	1.96	19.26	37.69855
13 Nov 08	17.95	18.50	18.97	19.75	20.80	1.95	19.19	37.44051
14 Nov 08	17.43	18.05	18.55	19.31	20.41	1.93	18.75	36.21256
17 Nov 08	17.03	17.69	18.23	19.01	20.13	1.94	18.42	35.66638
18 Nov 08	16.55	17.25	17.81	18.56	19.70	1.94	17.97	34.89459
19 Nov 08	16.33	17.03	17.60	18.35	19.43	1.94	17.75	34.45562
20 Nov 08	14.92	15.54	16.05	16.76	17.70	2.02	16.19	32.79015
21 Nov 08	15.03	15.68	16.28	16.88	17.79	2.02	16.33	32.96547
24 Nov 08	15.86	16.55	17.13	17.78	18.72	1.99	17.21	34.23277
25 Nov 08	15.76	16.46	17.10	17.73	18.68	2.01	17.15	34.42936
26 Nov 08	15.63	16.27	16.80	17.54	18.41	1.98	16.93	33.5336
27 Nov 08	16.31	17.05	17.73	18.29	19.23	1.95	17.72	34.60379
28 Nov 08	15.52	16.19	16.88	17.57	18.51	1.94	16.93	32.83892
01 Dec 08	15.53	16.21	16.90	17.53	18.42	1.95	16.92	33.05651
02 Dec 08	15.36	16.05	16.74	17.39	18.27	1.99	16.76	33.30178
03 Dec 08	15.22	15.90	16.53	17.20	18.05	1.97	16.58	32.66181
04 Dec 08	14.82	15.49	16.12	16.81	17.65	1.98	16.18	32.08787
05 Dec 08	13.72	14.36	14.97	15.58	16.38	1.99	15.00	29.82628
08 Dec 08	14.45	15.10	15.72	16.35	17.20	1.95	15.76	30.79015
09 Dec 08	14.28	14.90	15.53	16.12	16.99	1.96	15.56	30.57073
10 Dec 08	14.37	15.04	15.64	16.31	17.16	1.98	15.70	31.09595
11 Dec 08	14.86	15.64	16.25	16.91	17.80	1.97	16.29	32.15789
12 Dec 08	14.88	15.58	16.15	16.81	17.75	2.03	16.23	32.93163
15 Dec 08	15.30	15.95	16.49	17.21	18.16	2.05	16.62	34.13784
16 Dec 08		15.93	16.45	17.15	18.05	2.04	16.90	34.44057
17 Dec 08		15.95	16.44	17.06	17.95	2.04	16.85	34.44434
18 Dec 08		15.73	16.25	16.90	17.75	2.04	16.66	34.05714
19 Dec 08		15.74	16.21	16.89	17.77	2.03	16.65	33.83131
22 Dec 08		16.07	16.57	17.22	18.10	2.03	16.99	34.45659
23 Dec 08		15.81	16.33	16.98	17.86	2.05	16.75	34.32927
24 Dec 08		15.75	16.27	16.91	17.74	2.05	16.67	34.18143
29 Dec 08		15.81	16.38	17.02	17.90	2.04	16.78	34.1653
30 Dec 08		16.02	16.58	17.23	18.07	2.04	16.98	34.67143
31 Dec 08		15.90	16.46	17.08	17.95	1.97	16.85	33.26514
02 Jan 09		15.55	16.11	16.74	17.60	1.96	16.50	32.34127
05 Jan 09		15.38	15.92	16.56	17.46	1.90	16.33	30.96575
06 Jan 09		15.69	16.20	16.86	17.67	1.87	16.61	30.99061
07 Jan 09		15.45	15.94	16.61	17.45	1.91	16.36	31.29624
08 Jan 09		14.76	15.27	15.87	16.65	1.93	15.64	30.23083
09 Jan 09		14.44	14.95	15.50	16.25	1.91	15.29	29.15774
12 Jan 09		13.94	14.37	14.91	15.59	1.95	14.70	28.68456
13 Jan 09		13.78	14.18	14.74	15.39	1.99	14.52	28.95518
14 Jan 09		13.28	13.63	14.16	14.82	1.99	13.97	27.86722
15 Jan 09		13.25	13.62	14.14	14.77	1.98	13.95	27.63822
16 Jan 09		12.60	12.98	13.52	14.09	1.98	13.30	26.38562
19 Jan 09		11.63	12.00	12.52	13.07	1.95	12.31	24.04513
20 Jan 09		11.51	11.97	12.47	12.99	1.98	12.24	24.20303
21 Jan 09		11.50	11.90	12.41	12.97	1.97	12.20	24.01811
22 Jan 09		11.70	12.02	12.51	13.06	1.97	12.32	24.31724
23 Jan 09		11.67	12.00	12.46	13.11	1.98	12.31	24.33092

26 Jan 09	12.11	12.46	12.92	13.53	1.99	12.76	25.39635
27 Jan 09	11.91	12.26	12.74	13.38	1.99	12.57	25.02596
28 Jan 09	11.74	12.08	12.54	13.18	1.97	12.39	24.41398
29 Jan 09	11.88	12.20	12.67	13.29	1.98	12.51	24.79298
30 Jan 09	11.85	12.17	12.66	13.29	2.01	12.49	25.13005
02 Feb 09	11.29	11.69	12.11	12.76	2.03	11.96	24.31214
03 Feb 09	10.61	10.94	11.41	12.02	2.00	11.25	22.44864
04 Feb 09	10.43	10.72	11.19	11.78	1.99	11.03	21.93388
05 Feb 09	10.20	10.48	10.95	11.53	1.96	10.79	21.17082
06 Feb 09	10.07	10.35	10.82	11.40	1.92	10.66	20.43181
09 Feb 09	10.05	10.32	10.80	11.37	1.92	10.64	20.36714
10 Feb 09	9.33	9.57	10.04	10.60	1.97	9.89	19.49126
11 Feb 09	8.49	8.72	9.19	9.73	1.97	9.03	17.79822
12 Feb 09	8.20	8.43	8.90	9.43	1.98	8.74	17.26436
13 Feb 09	8.63	8.95	9.43	10.02	1.96	9.26	18.10428
16 Feb 09	8.40	8.72	9.19	9.78	1.97	9.02	17.74259
17 Feb 09	8.64	8.96	9.44	10.04	1.97	9.27	18.30424
18 Feb 09	9.68	9.98	10.47	11.07	1.97	10.30	20.26722
19 Feb 09	10.81	11.18	11.75	12.45	1.96	11.55	22.64821
20 Feb 09	9.97	10.33	10.87	11.55	1.98	10.68	21.18695
23 Feb 09	9.64	9.94	10.47	11.18	1.98	10.31	20.36527
24 Feb 09	9.36	9.72	10.25	10.96	1.98	10.07	19.90281
25 Feb 09	9.74	10.11	10.69	11.44	1.97	10.50	20.69419
26 Feb 09	10.60	11.05	11.64	12.44	1.96	11.43	22.3687
27 Feb 09	10.09	10.53	11.13	11.93	1.97	10.92	21.52927
02 Mar 09	10.06	10.49	11.16	11.97	1.99	10.92	21.70889
03 Mar 09	10.98	11.41	12.13	13.02	1.96	11.89	23.31361
04 Mar 09	11.64	12.14	12.86	13.77	1.95	12.60	24.52211
05 Mar 09	11.64	12.14	12.86	13.77	1.97	12.60	24.76503
06 Mar 09	10.83	11.33	12.03	12.97	1.98	11.79	23.33773
09 Mar 09	11.65	12.20	12.95	13.98	1.99	12.45	24.82853
10 Mar 09	12.01	12.57	13.32	14.35	1.97	12.75	25.1141
11 Mar 09	11.69	12.33	13.10	14.15	1.97	12.55	24.77538
12 Mar 09	11.87	12.54	13.41	14.62	1.97	12.79	25.21763
13 Mar 09	12.29	12.99	13.90	15.05	1.96	13.26	26.01471
16 Mar 09	12.58	13.29	14.19	15.39	1.96	13.55	26.58548
17 Mar 09	12.58	13.29	14.19	15.39	1.97	13.55	26.64552
18 Mar 09	12.58	13.29	14.19	15.39	1.98	13.55	26.81501

	EURO			AUD		
Date	EJA Dec07	EUA Dec09-12	CER Dec09-12	EUA Dec07	EUA Dec09-12	CER Dec09-12
22-Apr-05	16.95	17.13		28.30	28.59	
25-Apr-05	17.55	17.73		29.25	29.54	
26-Apr-05	17.20	17.38		28.68	28.97	
27-Apr-05	16.45	16.63		27.40	27.69	
28-Apr-05	16.00	16.18		26.47	26.76	
29-Apr-05	16.50	16.68		27.18	27.46	
03-May-05	16.25	16.43		27.04	27.33	
04-May-05	16.20	16.38		26.86	27.15	
05-May-05	16.60	16.78		27.54	27.83	
06-May-05	16.60	16.78		27.43	27.72	
09-May-05	17.00	17.18		28.28	28.57	
10-May-05	17.10	17.28		28.35	28.64	
11-May-05	16.90	17.08		27.94	28.23	
12-May-05	16.75	16.93		27.78	28.07	
13-May-05	16.80	17.13		27.87	28.41	
16-May-05	16.90	17.13		28.25	28.62	
17-May-05	17.20	17.53		28.68	29.22	
18-May-05	17.45	17.78		29.05	29.59	
19-May-05	18.00	18.23		30.01	30.38	
20-May-05	18.75	18.93		31.16	31.45	
23-May-05	18.50	18.95		30.64	31.39	
24-May-05	19.10	19.39		31.47	31.94	
25-May-05	19.95	20.13		32.97	33.26	
26-May-05	19.75	20.03		32.54	32.99	
27-May-05	19.65	19.98		32.38	32.91	
31-May-05	19.90	20.18		32.43	32.88	
01-Jun-05	19.60	19.83		31.96	32.33	
02-Jun-05	19.50	19.66		31.71	32.30	
03-Jun-05	19.10	19.55		30.87	31.59	
06-Jun-05	19.30	19.78		30.94	31.70	
07-Jun-05	19.60	20.15		31.32	32.19	
08-Jun-05	19.80	20.25		31.65	32.37	
09-Jun-05	19.65	20.00		31.28	31.84	
10-Jun-05	19.65	20.00		31.25	31.81	
13-Jun-05	19.85	20.35		31.58	32.38	
14-Jun-05	19.90	20.44		31.36	32.21	
15-Jun-05	20.10	20.45		31.62	32.17	
16-Jun-05	20.60	20.85		32.24	32.63	
17-Jun-05	21.50	21.85		33.95	34.51	
20-Jun-05	22.95	23.35		35.92	36.54	
21-Jun-05	23.00	23.50		35.87	36.65	
22-Jun-05	23.20	23.55		36.12	36.67	
23-Jun-05	23.40	23.83		36.46	37.12	
24-Jun-05	24.00	24.30		37.74	38.21	
27-Jun-05	23.95	24.30		37.65	38.40	
28-Jun-05	24.50	24.90		38.75	39.38	
29-Jun-05	25.45	25.94		40.31	41.08	
30-Jun-05	25.80	26.50		41.02	42.13	
01-Jul-05	26.90	27.48		42.83	43.75	
04-Jul-05	29.45	29.90		46.76	47.47	
05-Jul-05	28.85	29.30		46.31	47.03	
06-Jul-05	29.30	29.93		47.16	48.17	
07-Jul-05	29.40	30.03		47.42	48.43	
08-Jul-05	29.70	30.50		47.89	49.18	
11-Jul-05	29.90	30.65		48.26	49.47	
12-Jul-05	29.45	30.03		47.60	48.53	
13-Jul-05	27.95	28.40		45.05	45.78	
14-Jul-05	24.00	24.53		38.56	39.41	
15-Jul-05	24.30	24.93		39.02	40.02	
18-Jul-05	24.70	25.13		39.51	40.19	
19-Jul-05	24.55	24.94		39.32	39.94	
20-Jul-05	20.90	21.75		33.59	34.96	
21-Jul-05	20.35	21.20		32.35	33.70	
22-Jul-05	20.10	20.45		31.73	32.28	
25-Jul-05	20.15	20.83		31.87	32.93	
26-Jul-05	20.80	21.50		32.96	34.07	
27-Jul-05	22.05	22.58		35.20	36.04	
28-Jul-05	22.05	22.55		35.22	36.01	
29-Jul-05	22.35	22.98		35.78	36.78	
01-Aug-05	21.45	22.10		34.30	35.34	

02-Aug-05	20.70	21.15	32.98	33.70
03-Aug-05	20.70	21.40	33.06	34.18
04-Aug-05	20.50	21.20	32.84	33.96
05-Aug-05	21.25	21.75	34.16	34.97
08-Aug-05	21.75	22.25	35.15	35.96
09-Aug-05	22.45	22.95	36.48	37.29
10-Aug-05	22.45	23.05	36.27	37.24
11-Aug-05	22.55	23.35	36.26	37.55
12-Aug-05	22.80	23.25	36.68	37.41
15-Aug-05	22.40	22.98	36.04	36.96
16-Aug-05	22.45	23.03	36.05	36.98
17-Aug-05	22.80	23.43	36.76	37.77
18-Aug-05	22.75	23.35	36.79	37.76
19-Aug-05	22.90	23.38	37.06	37.83
22-Aug-05	23.05	23.63	37.34	38.28
23-Aug-05	23.10	23.58	37.40	38.17
24-Aug-05	23.10	23.58	37.50	38.27
25-Aug-05	23.35	23.75	37.81	38.46
30-Aug-05	23.65	24.30	38.63	39.69
31-Aug-05	23.95	24.48	39.17	40.03
01-Sep-05	24.40	24.98	39.98	40.93
02-Sep-05	24.75	25.28	40.53	41.39
05-Sep-05	24.75	25.33	40.41	41.35
06-Sep-05	24.65	25.13	40.02	40.79
07-Sep-05	24.70	25.23	40.03	40.88
08-Sep-05	24.35	24.70	39.06	39.62
09-Sep-05	23.75	24.20	38.05	38.77
12-Sep-05	22.25	22.65	35.49	36.13
13-Sep-05	21.75	22.10	34.72	35.28
14-Sep-05	22.45	22.70	35.74	36.13
15-Sep-05	22.70	22.95	36.19	36.59
16-Sep-05	22.05	22.35	35.14	35.61
19-Sep-05	22.60	22.95	35.80	36.36
20-Sep-05	22.05	22.40	34.88	35.43
21-Sep-05	22.00	20.81	34.86	32.98
22-Sep-05	22.30	20.75	35.52	33.05
23-Sep-05	22.05	19.38	35.06	30.81
26-Sep-05	21.60	18.88	34.45	30.10
27-Sep-05	22.05	19.30	35.03	30.66
28-Sep-05	22.75	20.25	36.08	32.11
29-Sep-05	22.90	20.25	36.25	32.05
30-Sep-05	22.85	20.60	36.02	32.47
03-Oct-05	22.75	20.85	35.50	32.53
04-Oct-05	23.30	21.80	36.35	34.01
05-Oct-05	23.80	22.13	37.62	34.98
06-Oct-05	23.60	22.68	37.89	36.40
07-Oct-05	23.05	22.09	36.93	35.39
10-Oct-05	23.05	22.75	36.64	36.17
11-Oct-05	23.15	22.68	36.89	36.14
12-Oct-05	23.50	23.03	37.41	36.65
13-Oct-05	23.45	23.28	37.55	37.27
14-Oct-05	23.05	22.80	37.02	36.62
17-Oct-05	23.10	22.95	37.07	36.82
18-Oct-05	22.85	22.53	36.52	36.00
19-Oct-05	22.40	22.38	35.78	35.74
20-Oct-05	22.10	21.88	35.29	34.93
21-Oct-05	21.80	21.68	34.80	34.60
24-Oct-05	21.45	21.00	34.24	33.52
25-Oct-05	21.40	21.15	34.21	33.81
26-Oct-05	21.65	20.93	34.62	33.46
27-Oct-05	21.85	21.25	35.02	34.05
28-Oct-05	22.10	21.35	35.55	34.34
31-Oct-05	21.90	21.50	35.13	34.48
01-Nov-05	21.75	20.78	35.03	33.46
02-Nov-05	21.35	20.61	34.69	33.49
03-Nov-05	21.25	19.91	34.37	32.21
04-Nov-05	21.35	20.25	34.40	32.63
07-Nov-05	21.60	20.40	34.76	32.83
08-Nov-05	22.05	20.84	35.35	33.40
09-Nov-05	22.50	20.59	35.91	32.86
10-Nov-05	22.70	20.78	36.39	33.30
11-Nov-05	22.70	20.70	36.26	33.06
14-Nov-05	23.15	21.63	37.19	34.74

15-Nov-05	22.90	20.88	36.60	33.36
16-Nov-05	22.75	20.50	36.36	32.77
17-Nov-05	22.45	20.30	35.89	32.45
18-Nov-05	21.65	20.25	34.75	32.50
21-Nov-05	21.70	19.50	34.56	31.06
22-Nov-05	22.20	20.13	35.51	32.19
23-Nov-05	21.60	19.01	34.54	30.40
24-Nov-05	19.90	17.85	31.72	28.45
25-Nov-05	20.15	18.55	32.07	29.53
28-Nov-05	20.50	18.55	32.66	29.55
29-Nov-05	19.90	18.50	31.75	29.52
30-Nov-05	20.15	18.35	32.12	29.25
01-Dec-05	20.55	18.50	32.44	29.20
02-Dec-05	21.80	18.25	34.10	28.54
05-Dec-05	22.70	19.55	35.62	30.68
06-Dec-05	23.40	19.85	36.60	31.05
07-Dec-05	22.90	19.55	35.89	30.64
08-Dec-05	22.05	18.86	34.72	29.70
09-Dec-05	21.70	19.35	34.11	30.41
12-Dec-05	22.35	19.50	35.38	30.87
13-Dec-05	22.70	20.13	35.90	31.83
14-Dec-05	22.45	19.78	35.62	31.38
15-Dec-05	22.40	19.80	35.84	31.68
16-Dec-05	22.10	19.50	35.68	31.48
19-Dec-05	22.10	19.60	35.79	31.74
20-Dec-05	21.95	19.48	35.53	31.53
21-Dec-05	21.85	19.38	35.26	31.26
22-Dec-05	21.65	19.35	35.17	31.43
23-Dec-05	21.35	18.95	34.80	30.89
27-Dec-05	21.65	19.25	35.41	31.48
28-Dec-05	21.85	19.40	35.52	31.54
29-Dec-05	22.05	19.80	35.63	32.00
30-Dec-05	22.10	19.60	35.60	31.58
03-Jan-06	22.75	19.95	36.86	32.32
04-Jan-06	23.05	20.30	37.34	32.88
05-Jan-06	23.45	20.30	37.91	32.82
06-Jan-06	24.00	21.15	38.64	34.05
09-Jan-06	23.70	20.35	37.99	32.62
10-Jan-06	23.80	20.60	38.33	33.18
11-Jan-06	23.80	20.60	38.15	33.02
12-Jan-06	24.00	20.75	38.43	33.23
13-Jan-06	24.00	20.90	38.59	33.61
16-Jan-06	24.05	21.15	38.61	33.96
17-Jan-06	25.25	21.93	40.57	35.23
18-Jan-06	26.45	22.70	42.77	36.70
19-Jan-06	26.65	22.78	43.07	36.81
20-Jan-06	27.90	23.05	45.26	37.39
23-Jan-06	26.90	22.98	43.91	37.50
24-Jan-06	26.35	22.28	43.08	36.42
25-Jan-06	26.70	22.68	43.42	36.87
26-Jan-06	27.45	23.08	44.51	37.42
27-Jan-06	26.90	23.18	43.36	37.35
30-Jan-06	27.50	24.50	44.36	39.52
31-Jan-06	27.55	25.25	44.32	40.62
01-Feb-06	28.05	26.49	44.93	42.42
02-Feb-06	28.55	27.04	45.78	43.35
03-Feb-06	28.85	27.30	46.25	43.77
06-Feb-06	28.70	29.10	46.24	46.88
07-Feb-06	27.65	28.18	44.65	45.50
08-Feb-06	27.15	27.63	43.82	44.59
09-Feb-06	27.45	28.25	44.42	45.71
10-Feb-06	27.30	28.39	44.09	45.85
13-Feb-06	27.20	27.90	43.79	44.91
14-Feb-06	27.35	27.90	44.03	44.91
15-Feb-06	27.60	27.88	44.43	44.87
16-Feb-06	27.95	29.36	44.97	47.24
17-Feb-06	27.70	29.15	44.72	47.07
20-Feb-06	28.10	28.80	45.25	46.38
21-Feb-06	28.30	28.63	45.64	46.16
22-Feb-06	28.20	28.24	45.61	45.67
23-Feb-06	27.65	25.33	44.62	40.86
24-Feb-06	27.65	26.00	44.39	41.74
27-Feb-06	27.20	25.83	43.70	41.49

28-Feb-06	27.40	25.75	43.97	41.32
01-Mar-06	27.85	25.48	44.56	40.76
02-Mar-06	28.15	25.25	45.23	40.57
03-Mar-06	28.05	25.45	45.31	41.11
06-Mar-06	28.05	25.49	45.51	41.35
07-Mar-06	27.60	24.75	44.68	40.06
08-Mar-06	27.75	25.20	45.11	40.97
09-Mar-06	27.70	24.95	44.95	40.49
10-Mar-06	27.90	24.95	45.41	40.61
13-Mar-06	28.45	25.36	46.34	41.31
14-Mar-06	28.25	25.35	46.07	41.34
15-Mar-06	28.05	25.45	45.78	41.54
16-Mar-06	27.70	25.25	45.76	41.71
17-Mar-06	27.95	25.28	46.76	42.29
20-Mar-06	28.15	25.38	47.47	42.79
21-Mar-06	28.10	25.53	47.35	43.01
22-Mar-06	28.15	25.93	47.28	43.54
23-Mar-06	28.20	25.88	47.22	43.33
24-Mar-06	27.95	25.95	47.45	44.05
27-Mar-06	27.80	25.63	47.34	43.63
28-Mar-06	27.95	25.88	47.60	44.06
29-Mar-06	28.20	27.13	47.95	46.12
30-Mar-06	28.35	28.45	48.17	48.34
31-Mar-06	28.40	28.34	48.10	48.00
03-Apr-06	28.35	28.40	48.11	48.20
04-Apr-06	28.85	28.75	49.07	48.90
05-Apr-06	29.80	28.95	50.34	48.90
06-Apr-06	30.35	29.23	50.76	48.87
07-Apr-06	29.85	29.40	49.73	48.98
10-Apr-06	30.00	29.50	49.80	48.97
11-Apr-06	30.45	30.83	50.41	51.03
12-Apr-06	30.35	31.38	50.13	51.82
13-Apr-06	30.15	31.63	50.15	52.60
18-Apr-06	30.30	31.78	50.29	52.74
19-Apr-06	31.50	33.81	52.19	56.02
20-Apr-06	31.50	33.88	52.58	56.55
21-Apr-06	30.95	32.43	51.27	53.71
24-Apr-06	30.75	32.75	51.21	54.54
25-Apr-06	30.95	32.55	51.61	54.27
26-Apr-06	28.30	31.18	46.79	51.55
27-Apr-06	20.75	23.78	34.36	39.37
28-Apr-06	17.30	23.13	28.75	38.43
01-May-06	14.25	20.05	23.62	33.23
02-May-06	13.95	19.75	23.09	32.70
03-May-06	11.95	19.70	19.59	32.29
04-May-06	12.85	21.30	21.15	35.05
05-May-06	14.85	23.53	24.48	38.79
08-May-06	13.20	21.49	21.82	35.52
09-May-06	12.65	21.43	20.84	35.30
10-May-06	12.75	19.99	21.03	32.97
11-May-06	13.65	20.76	22.56	34.31
12-May-06	13.40	20.84	22.38	34.80
15-May-06	9.80	19.01	16.48	31.97
16-May-06	15.75	22.95	26.37	38.42
17-May-06	17.35	23.20	29.13	38.95
18-May-06	16.25	23.65	27.28	39.70
19-May-06	16.25	23.44	27.40	39.52
22-May-06	16.95	23.56	28.96	40.26
23-May-06	18.95	25.49	32.20	43.31
24-May-06	20.45	25.55	34.68	43.33
25-May-06	19.75	25.13	33.20	42.24
26-May-06	19.85	25.63	33.31	43.01
30-May-06	19.55	25.54	32.99	43.10
31-May-06	18.50	24.89	31.50	42.37
01-Jun-06	17.40	23.88	29.77	40.86
02-Jun-06	17.00	22.93	29.21	39.39
05-Jun-06	17.05	22.75	29.40	39.23
06-Jun-06	16.65	22.45	28.85	38.90
07-Jun-06	16.30	22.28	28.17	38.49
08-Jun-06	15.60	21.60	26.62	36.86
09-Jun-06	14.60	21.00	24.65	35.46
12-Jun-06	14.60	20.75	24.64	35.01
13-Jun-06	15.60	21.85	26.52	37.15

14-Jun-06	15.50	21.65	26.51	37.03
15-Jun-06	15.50	20.85	26.35	35.44
16-Jun-06	15.50	21.03	26.50	35.95
19-Jun-06	15.65	20.85	26.71	35.59
20-Jun-06	15.90	21.83	27.11	37.22
21-Jun-06	16.60	22.25	28.43	38.10
22-Jun-06	16.05	21.75	27.49	37.26
23-Jun-06	16.15	21.85	27.61	37.35
26-Jun-06	16.05	21.71	27.59	37.32
27-Jun-06	15.60	21.01	26.78	36.07
28-Jun-06	15.75	21.33	27.10	36.70
29-Jun-06	16.20	21.43	27.75	36.70
30-Jun-06	16.55	21.28	28.48	36.61
03-Jul-06	16.55	21.08	28.54	36.34
04-Jul-06	16.85	21.13	28.94	36.29
05-Jul-06	16.85	20.50	28.90	35.16
06-Jul-06	16.65	20.39	28.51	34.91
07-Jul-06	17.05	20.83	29.04	35.47
10-Jul-06	16.80	20.95	28.66	35.73
11-Jul-06	16.95	21.15	28.74	35.87
12-Jul-06	17.10	21.53	28.88	36.35
13-Jul-06	17.05	21.55	28.68	36.25
14-Jul-06	17.15	21.60	28.79	36.27
17-Jul-06	17.50	21.53	29.31	36.05
18-Jul-06	18.05	21.75	30.25	36.45
19-Jul-06	17.70	21.60	29.73	36.28
20-Jul-06	17.20	21.43	28.91	36.01
21-Jul-06	17.55	21.43	29.61	36.15
24-Jul-06	17.40	21.30	29.10	35.62
25-Jul-06	17.30	21.00	28.90	35.08
26-Jul-06	17.00	20.73	28.35	34.56
27-Jul-06	17.15	20.45	28.56	34.06
28-Jul-06	17.35	20.35	28.83	33.82
31-Jul-06	16.90	19.75	28.15	32.90
01-Aug-06	16.85	20.15	28.22	33.75
02-Aug-06	17.05	20.20	28.54	33.81
03-Aug-06	17.15	19.94	28.84	33.53
04-Aug-06	16.60	19.08	27.91	32.08
07-Aug-06	15.90	18.43	26.74	30.98
08-Aug-06	16.45	19.13	27.75	32.26
09-Aug-06	16.55	19.35	27.78	32.48
10-Aug-06	16.50	19.40	27.52	32.35
11-Aug-06	16.30	19.30	27.07	32.06
14-Aug-06	16.50	19.13	27.64	32.04
15-Aug-06	16.25	19.03	27.15	31.79
16-Aug-06	16.25	19.05	27.16	31.84
17-Aug-06	16.40	19.28	27.64	32.48
18-Aug-06	16.45	19.03	27.80	32.16
21-Aug-06	16.55	19.38	27.95	32.72
22-Aug-06	17.35	19.64	29.15	32.99
23-Aug-06	17.60	19.70	29.52	33.04
24-Aug-06	17.40	19.80	29.16	33.18
25-Aug-06	16.90	19.40	28.49	32.71
28-Aug-06	17.00	19.55	28.62	32.92
29-Aug-06	16.90	19.45	28.37	32.65
30-Aug-06	16.60	19.40	27.88	32.59
31-Aug-06	16.30	19.30	27.36	32.40
01-Sep-06	16.50	19.35	27.62	32.39
04-Sep-06	16.50	19.35	27.55	32.31
05-Sep-06	16.90	19.65	28.06	32.62
06-Sep-06	17.10	19.70	28.58	32.93
07-Sep-06	17.15	19.63	28.78	32.93
08-Sep-06	17.05	19.53	28.63	32.79
11-Sep-06	16.95	19.59	28.68	33.14
12-Sep-06	16.80	19.35	28.40	32.72
13-Sep-06	16.90	19.45	28.49	32.78
14-Sep-06	16.80	19.33	28.31	32.57
15-Sep-06	16.80	19.33	28.27	32.51
18-Sep-06	16.75	19.20	28.16	32.28
19-Sep-06	16.75	19.36	28.21	32.61
20-Sep-06	16.25	18.94	27.38	31.91
21-Sep-06	14.70	18.00	24.83	30.40
22-Sep-06	14.00	17.58	23.85	29.94

25-Sep-06	13.85	17.55	23.44	29.71
26-Sep-06	13.25	17.38	22.38	29.35
27-Sep-06	12.35	16.58	20.89	28.04
28-Sep-06	12.45	16.83	21.12	28.54
29-Sep-06	12.90	17.08	21.94	29.04
02-Oct-06	13.30	17.53	22.64	29.83
03-Oct-06	12.50	16.75	21.42	28.70
04-Oct-06	12.30	16.90	20.96	28.79
05-Oct-06	12.30	17.28	20.91	29.37
06-Oct-06	12.45	17.78	21.11	30.13
09-Oct-06	12.40	17.73	20.99	30.00
10-Oct-06	12.65	17.78	21.29	29.92
11-Oct-06	12.75	17.38	21.49	29.29
12-Oct-06	12.75	17.18	21.31	28.70
13-Oct-06	12.65	16.48	21.07	27.44
16-Oct-06	12.75	16.54	21.18	27.47
17-Oct-06	12.80	16.55	21.29	27.52
18-Oct-06	13.00	16.70	21.59	27.73
19-Oct-06	13.15	16.78	21.85	27.87
20-Oct-06	13.05	16.98	21.69	28.22
23-Oct-06	13.05	17.38	21.63	28.80
24-Oct-06	12.75	17.68	21.12	29.28
25-Oct-06	12.80	17.70	21.20	29.31
26-Oct-06	12.35	17.00	20.50	28.22
27-Oct-06	12.40	17.20	20.54	28.50
30-Oct-06	12.15	17.13	20.08	28.30
31-Oct-06	11.05	16.68	18.21	27.48
01-Nov-06	11.25	16.83	18.51	27.69
02-Nov-06	11.25	17.13	18.55	28.24
03-Nov-06	10.95	17.08	18.08	28.19
06-Nov-06	10.80	17.23	17.81	28.41
07-Nov-06	10.55	17.38	17.42	28.69
08-Nov-06	9.65	17.03	15.99	28.20
09-Nov-06	9.70	17.13	16.18	28.57
10-Nov-06	9.70	17.45	16.24	29.22
13-Nov-06	8.95	17.05	15.03	28.63
14-Nov-06	8.70	17.15	14.58	28.73
15-Nov-06	9.40	16.83	15.75	28.19
16-Nov-06	9.25	17.28	15.42	28.80
17-Nov-06	8.90	17.38	14.84	28.97
20-Nov-06	8.75	17.53	14.54	29.13
21-Nov-06	9.00	18.48	14.98	30.75
22-Nov-06	9.10	18.83	15.17	31.38
23-Nov-06	8.90	18.68	14.87	31.20
24-Nov-06	9.00	18.78	15.13	31.56
27-Nov-06	9.20	19.78	15.52	33.35
28-Nov-06	9.20	20.33	15.47	34.17
29-Nov-06	8.90	19.23	14.94	32.26
30-Nov-06	8.40	19.83	14.11	33.29
01-Dec-06	8.20	19.63	13.83	33.10
04-Dec-06	7.85	21.03	12.91	35.48
05-Dec-06	7.25	20.64	12.28	34.96
06-Dec-06	6.85	20.13	11.58	34.01
07-Dec-06	7.10	20.18	11.94	33.94
08-Dec-06	7.55	19.63	12.69	32.99
11-Dec-06	7.30	20.08	12.32	33.87
12-Dec-06	7.10	19.58	11.99	33.05
13-Dec-06	6.85	18.86	11.51	31.70
14-Dec-06	6.60	18.40	11.09	30.91
15-Dec-06	6.60	18.39	11.04	30.76
18-Dec-06	6.60	18.51	11.07	31.05
19-Dec-06	6.70	18.63	11.28	31.35
20-Dec-06	6.65	18.48	11.14	30.96
21-Dec-06	6.60	18.43	11.08	30.93
22-Dec-06	6.60	18.74	11.40	31.40
26-Dec-06	6.95	19.13	11.64	32.02
27-Dec-06	6.95	19.13	11.64	32.02
28-Dec-06	6.70	19.58	11.17	32.64
29-Dec-06	6.70	19.53	11.21	32.65
02-Jan-07	5.60	18.93	9.34	31.58
03-Jan-07	4.85	17.84	8.06	29.66
04-Jan-07	4.85	17.98	8.08	29.95
05-Jan-07	4.80	17.23	8.01	28.76

08-Jan-07	3.95	15.88	6.59	26.49
09-Jan-07	3.50	16.13	5.83	26.86
10-Jan-07	3.85	16.33	6.41	27.17
11-Jan-07	4.00	16.63	6.60	27.43
12-Jan-07	4.05	17.05	6.67	28.10
15-Jan-07	4.05	17.60	6.68	29.03
16-Jan-07	4.25	17.78	7.01	29.33
17-Jan-07	4.10	17.03	6.75	28.02
18-Jan-07	4.00	17.18	6.57	28.21
19-Jan-07	4.00	17.18	6.57	28.20
22-Jan-07	3.90	17.03	6.41	27.96
23-Jan-07	3.80	17.03	6.24	27.98
24-Jan-07	3.45	16.63	5.72	27.57
25-Jan-07	3.30	16.75	5.51	27.98
26-Jan-07	3.05	16.96	5.09	28.32
29-Jan-07	2.50	16.94	4.20	28.44
30-Jan-07	2.45	16.78	4.11	28.14
31-Jan-07	2.35	16.71	3.95	28.06
01-Feb-07	2.25	16.79	3.78	28.23
02-Feb-07	2.00	16.13	3.35	26.97
05-Feb-07	1.80	16.33	3.00	27.18
06-Feb-07	1.50	16.23	2.50	27.09
07-Feb-07	1.35	15.83	2.26	26.46
08-Feb-07	1.50	15.18	2.50	25.31
09-Feb-07	1.65	15.48	2.76	25.90
12-Feb-07	1.30	15.58	2.18	26.13
13-Feb-07	1.25	15.08	2.09	25.23
14-Feb-07	1.20	14.98	2.01	25.08
15-Feb-07	1.15	15.03	1.93	25.16
16-Feb-07	1.15	15.08	1.92	25.16
19-Feb-07	0.80	14.13	1.34	23.61
20-Feb-07	0.90	13.56	1.51	22.68
21-Feb-07	0.95	14.28	1.58	23.71
22-Feb-07	0.90	14.43	1.50	23.99
23-Feb-07	0.95	15.88	1.58	26.40
26-Feb-07	1.00	16.68	1.66	27.70
27-Feb-07	1.00	16.44	1.67	27.48
28-Feb-07	0.95	16.28	1.59	27.30
01-Mar-07	1.00	16.55	1.68	27.78
02-Mar-07	1.10	16.23	1.85	27.35
05-Mar-07	1.00	15.03	1.70	25.52
06-Mar-07	1.05	15.06	1.78	25.51
07-Mar-07	1.15	15.63	1.94	26.42
08-Mar-07	1.15	16.11	1.94	27.20
09-Mar-07	1.35	16.14	2.27	27.12
12-Mar-07	1.35	16.48	2.27	27.67
13-Mar-07	1.25	16.50	2.10	27.77
14-Mar-07	1.25	16.46	2.11	27.74
15-Mar-07	1.25	16.93	2.09	28.36
16-Mar-07	1.20	16.83	2.01	28.12
19-Mar-07	1.05	16.98	1.75	28.25
20-Mar-07	1.05	17.88	1.74	29.62
21-Mar-07	1.05	17.83	1.74	29.53
22-Mar-07	1.00	17.79	1.65	29.39
23-Mar-07	1.00	17.69	1.65	29.17
26-Mar-07	1.00	18.63	1.65	30.65
27-Mar-07	1.04	18.33	1.72	30.26
28-Mar-07	1.20	18.65	1.98	30.84
29-Mar-07	1.36	18.82	2.25	31.11
30-Mar-07	1.31	18.86	2.16	31.12
02-Apr-07	1.03	18.18	1.69	29.75
03-Apr-07	0.90	17.25	1.48	28.29
04-Apr-07	0.85	17.49	1.39	28.54
05-Apr-07	0.83	17.96	1.36	29.40
09-Apr-07	0.83	17.42	1.36	28.47
10-Apr-07	0.83	18.01	1.35	29.28
11-Apr-07	0.80	18.41	1.30	29.97
12-Apr-07	0.80	18.81	1.30	30.58
13-Apr-07	0.76	19.14	1.23	31.08
16-Apr-07	0.72	19.20	1.17	31.21
17-Apr-07	0.68	19.15	1.10	31.06
18-Apr-07	0.56	18.86	0.91	30.60
19-Apr-07	0.51	18.52	0.83	30.17

20-Apr-07	0.63	18.76	1.02	30.44
23-Apr-07	0.68	19.34	1.11	31.53
24-Apr-07	0.68	19.34	1.12	31.90
25-Apr-07	0.64	19.52	1.05	31.92
26-Apr-07	0.54	19.39	0.89	31.92
27-Apr-07	0.53	19.49	0.87	32.03
30-Apr-07	0.53	20.34	0.87	33.41
01-May-07	0.58	20.67	0.95	33.96
02-May-07	0.56	20.19	0.92	33.25
03-May-07	0.54	20.08	0.89	33.01
04-May-07	0.54	20.28	0.89	33.55
07-May-07	0.53	20.70	0.87	34.12
08-May-07	0.47	20.66	0.77	33.77
09-May-07	0.40	20.66	0.65	33.74
10-May-07	0.30	20.33	0.49	33.11
11-May-07	0.32	20.77	0.52	33.78
14-May-07	0.33	21.38	0.54	34.79
15-May-07	0.29	21.68	0.47	35.35
16-May-07	0.33	21.92	0.54	35.97
17-May-07	0.30	22.45	0.49	36.77
18-May-07	0.28	22.86	0.46	37.47
21-May-07	0.30	23.02	0.49	37.73
22-May-07	0.29	22.75	0.48	37.34
23-May-07	0.29	23.08	0.47	37.71
24-May-07	0.29	24.32	0.48	39.89
25-May-07	0.29	25.09	0.48	41.23
28-May-07	0.30	25.16	0.49	41.30
29-May-07	0.27	26.20	0.44	43.05
30-May-07	0.27	24.05	0.44	39.26
31-May-07	0.29	23.85	0.47	38.74
01-Jun-07	0.29	24.90	0.47	40.21
04-Jun-07	0.29	25.55	0.47	41.30
05-Jun-07	0.28	24.19	0.45	39.04
06-Jun-07	0.29	24.23	0.47	38.93
07-Jun-07	0.27	23.60	0.43	37.66
08-Jun-07	0.27	23.94	0.43	37.91
11-Jun-07	0.25	23.58	0.40	37.31
12-Jun-07	0.24	23.64	0.38	37.38
13-Jun-07	0.22	24.63	0.35	39.02
14-Jun-07	0.19	24.63	0.30	39.20
15-Jun-07	0.17	23.75	0.27	37.74
18-Jun-07	0.14	22.67	0.22	36.03
19-Jun-07	0.14	22.04	0.22	34.96
20-Jun-07	0.13	22.75	0.21	36.12
21-Jun-07	0.12	22.59	0.19	35.69
22-Jun-07	0.12	22.78	0.19	36.24
25-Jun-07	0.11	22.10	0.18	35.16
26-Jun-07	0.13	21.99	0.21	34.97
27-Jun-07	0.13	22.30	0.21	35.79
28-Jun-07	0.14	23.15	0.22	36.75
29-Jun-07	0.13	23.21	0.21	37.05
02-Jul-07	0.14	22.62	0.22	35.87
03-Jul-07	0.13	22.10	0.21	35.19
04-Jul-07	0.13	22.02	0.21	34.95
05-Jul-07	0.14	22.37	0.22	35.51
06-Jul-07	0.15	22.78	0.24	36.17
09-Jul-07	0.14	21.98	0.22	34.82
10-Jul-07	0.14	21.89	0.22	34.88
11-Jul-07	0.14	21.55	0.22	34.37
12-Jul-07	0.13	20.70	0.21	32.96
13-Jul-07	0.13	20.82	0.21	33.00
16-Jul-07	0.13	19.78	0.21	31.27
17-Jul-07	0.14	20.11	0.22	31.75
18-Jul-07	0.13	19.86	0.20	31.23
19-Jul-07	0.12	20.29	0.19	31.83
20-Jul-07	0.13	20.54	0.20	32.28
23-Jul-07	0.12	20.17	0.19	31.52
24-Jul-07	0.12	20.27	0.19	31.77
25-Jul-07	0.12	20.94	0.19	32.51
26-Jul-07	0.12	21.04	0.19	33.18
27-Jul-07	0.12	21.22	0.19	33.96
30-Jul-07	0.11	21.83	0.18	34.96
31-Jul-07	0.12	22.11	0.19	35.54

01-Aug-07	0.11	21.47	0.18	34.42
02-Aug-07	0.09	21.69	0.14	34.63
03-Aug-07	0.09	21.41	0.15	34.50
06-Aug-07	0.09	20.62	0.14	33.12
07-Aug-07	0.09	21.04	0.14	33.77
08-Aug-07	0.10	20.94	0.16	33.51
09-Aug-07	0.10	20.69	0.16	33.28
10-Aug-07	0.10	20.08	0.16	32.55
13-Aug-07	0.10	20.59	0.16	33.25
14-Aug-07	0.11	20.50	0.18	33.24
15-Aug-07	0.11	20.81	0.18	34.09
16-Aug-07	0.11	20.50	0.19	34.75
17-Aug-07	0.11	20.62	0.19	34.86
20-Aug-07	0.11	20.50	0.18	34.26
21-Aug-07	0.11	20.71	0.18	34.80
22-Aug-07	0.11	20.27	0.18	34.02
23-Aug-07	0.11	20.55	0.18	33.98
24-Aug-07	0.11	20.36	0.18	33.66
27-Aug-07	0.11	20.11	0.18	33.10
28-Aug-07	0.11	20.99	0.18	34.99
29-Aug-07	0.10	21.40	0.17	35.62
30-Aug-07	0.11	20.87	0.18	34.91
31-Aug-07	0.10	20.89	0.17	34.76
03-Sep-07	0.10	21.27	0.17	35.30
04-Sep-07	0.10	22.39	0.17	36.95
05-Sep-07	0.10	21.75	0.17	36.08
06-Sep-07	0.10	22.03	0.17	36.36
07-Sep-07	0.10	21.97	0.17	36.57
10-Sep-07	0.09	21.81	0.15	36.46
11-Sep-07	0.08	22.27	0.13	36.91
12-Sep-07	0.09	22.60	0.15	37.28
13-Sep-07	0.07	22.04	0.12	36.37
14-Sep-07	0.07	22.17	0.12	36.50
17-Sep-07	0.07	21.95	0.12	36.57
18-Sep-07	0.06	22.09	0.10	36.25
19-Sep-07	0.08	22.52	0.13	36.72
20-Sep-07	0.08	22.90	0.13	37.37
21-Sep-07	0.08	22.99	0.13	37.44
24-Sep-07	0.08	22.98	0.13	37.28
25-Sep-07	0.08	22.59	0.13	36.58
26-Sep-07	0.08	22.47	0.13	36.24
27-Sep-07	0.08	22.77	0.13	36.57
28-Sep-07	0.08	22.85	0.13	36.69
01-Oct-07	0.07	22.84	0.11	36.35
02-Oct-07	0.08	22.99	0.13	36.78
03-Oct-07	0.07	22.74	0.11	36.32
04-Oct-07	0.07	23.03	0.11	36.66
05-Oct-07	0.11	23.05	0.17	36.28
08-Oct-07	0.07	23.08	0.11	36.31
09-Oct-07	0.07	23.15	0.11	36.30
10-Oct-07	0.07	23.71	0.11	37.37
11-Oct-07	0.07	23.85	0.11	37.59
12-Oct-07	0.07	23.87	0.11	37.43
15-Oct-07	0.07	24.04	0.11	38.01
16-Oct-07	0.07	24.25	0.11	38.74
17-Oct-07	0.07	24.44	0.11	38.99
18-Oct-07	0.07	24.28	0.11	38.74
19-Oct-07	0.07	24.02	0.11	38.51
22-Oct-07	0.07	23.56	0.11	37.75
23-Oct-07	0.07	23.74	0.11	37.70
24-Oct-07	0.07	23.95	0.11	37.88
25-Oct-07	0.07	24.25	0.11	38.23
26-Oct-07	0.07	24.16	0.11	37.86
29-Oct-07	0.07	24.33	0.11	38.10
30-Oct-07	0.07	23.60	0.11	37.00
31-Oct-07	0.09	23.70	0.14	36.81
01-Nov-07	0.08	23.12	0.13	36.41
02-Nov-07	0.08	22.92	0.13	36.09
05-Nov-07	0.07	22.89	0.11	36.01
06-Nov-07	0.07	22.86	0.11	35.92
07-Nov-07	0.10	23.00	0.16	36.19
08-Nov-07	0.11	23.01	0.17	36.52
09-Nov-07	0.10	23.20	0.16	37.19

12-Nov-07	0.10	23.29	0.16	38.35
13-Nov-07	0.10	23.72	0.16	38.88
14-Nov-07	0.09	24.44	0.15	39.85
15-Nov-07	0.09	24.07	0.15	39.61
16-Nov-07	0.08	24.04	0.13	39.52
19-Nov-07	0.08	24.29	0.13	40.26
20-Nov-07	0.07	25.27	0.12	42.33
21-Nov-07	0.07	25.17	0.12	42.81
22-Nov-07	0.08	25.15	0.14	42.88
23-Nov-07	0.08	25.16	0.14	42.62
26-Nov-07	0.07	25.28	0.12	42.97
27-Nov-07	0.07	24.98	0.12	42.39
28-Nov-07	0.07	24.76	0.12	41.28
29-Nov-07	0.04	24.18	0.07	40.52
30-Nov-07	0.01	23.83	0.02	39.60
03-Dec-07	0.03	24.45	0.05	40.69
04-Dec-07	0.03	24.92	0.05	42.07
05-Dec-07	0.03	24.32	0.05	40.87
06-Dec-07	0.03	24.27	0.05	40.60
07-Dec-07	0.03	23.79	0.05	39.70
10-Dec-07	0.03	23.90	0.05	39.76
11-Dec-07	0.03	23.99	0.05	39.71
12-Dec-07	0.03	24.16	0.05	40.23
13-Dec-07	0.03	24.28	0.05	40.50
14-Dec-07	0.03	24.11	0.05	40.33
17-Dec-07	0.01	23.80	0.02	39.89
18-Dec-07		24.07		40.40
19-Dec-07		23.95		40.10
20-Dec-07		23.78		39.74
21-Dec-07		23.46		38.89
24-Dec-07		23.48		38.83
27-Dec-07		23.36		38.93
28-Dec-07		23.67		39.85
31-Dec-07		23.89		39.78
02-Jan-08		24.42		40.75
03-Jan-08		25.04		41.90
04-Jan-08		25.04		42.31
07-Jan-08		25.16		42.48
08-Jan-08		25.20		41.95
09-Jan-08		24.92		41.53
10-Jan-08		24.61		40.73
11-Jan-08		24.55		40.73
14-Jan-08		24.89		41.24
15-Jan-08		24.66		41.12
16-Jan-08		24.23		40.44
17-Jan-08		23.66		39.38
18-Jan-08		23.72		39.48
21-Jan-08		22.26		37.33
22-Jan-08		21.74		36.54
23-Jan-08		21.45		36.05
24-Jan-08		21.17		35.52
25-Jan-08		22.44		37.45
28-Jan-08		22.06		36.77
29-Jan-08		22.11		36.79
30-Jan-08		21.50		35.77
31-Jan-08		20.52		33.96
01-Feb-08		20.62		33.85
04-Feb-08		20.60		33.62
05-Feb-08		20.26		33.07
06-Feb-08		21.42		34.95
07-Feb-08		21.86		35.37
08-Feb-08		21.86		35.43
11-Feb-08		21.62		34.70
12-Feb-08		21.46		34.60
13-Feb-08		21.42		34.92
14-Feb-08		22.22		35.99
15-Feb-08		22.38		36.18
18-Feb-08		22.44		36.02
19-Feb-08		23.17		37.04
20-Feb-08		23.02		36.88
21-Feb-08		23.24		37.45
22-Feb-08		23.02		37.01
25-Feb-08		23.12		37.08

26-Feb-08	22.90		36.72	
27-Feb-08	22.84		36.69	
28-Feb-08	22.73		36.42	
29-Feb-08	22.93		37.25	
03-Mar-08	22.52		36.40	
04-Mar-08	22.34		36.81	
05-Mar-08	22.94		37.61	
06-Mar-08	23.04		38.16	
07-Mar-08	23.08		38.13	
10-Mar-08	23.47		39.23	
11-Mar-08	23.57		39.00	
12-Mar-08	23.67		39.27	
13-Mar-08	24.29		40.02	
14-Mar-08	23.97	15.39	40.07	25.73
17-Mar-08	23.11	14.83	39.58	25.39
18-Mar-08	23.39	15.04	39.57	25.45
19-Mar-08	23.30	14.99	39.72	25.56
20-Mar-08	23.72	15.35	40.67	26.32
25-Mar-08	24.30	15.73	41.36	26.77
26-Mar-08	24.25	15.66	41.76	26.97
27-Mar-08	23.99	15.57	41.12	26.69
28-Mar-08	23.47	15.31	40.36	26.33
31-Mar-08	23.99	15.54	41.44	26.85
01-Apr-08	24.25	15.61	41.77	26.89
02-Apr-08	25.14	16.12	43.12	27.64
03-Apr-08	25.22	16.15	43.12	27.61
04-Apr-08	25.07	16.13	42.72	27.49
07-Apr-08	25.59	16.15	43.37	27.38
08-Apr-08	25.30	16.00	42.71	27.02
09-Apr-08	25.48	15.99	43.41	27.25
10-Apr-08	26.21	16.39	44.25	27.66
11-Apr-08	26.15	16.29	44.49	27.72
14-Apr-08	26.78	16.49	45.77	28.18
15-Apr-08	26.93	16.46	45.99	28.12
16-Apr-08	26.60	16.35	45.15	27.75
17-Apr-08	26.51	16.33	44.97	27.70
18-Apr-08	26.33	16.25	44.54	27.49
21-Apr-08	27.09	16.38	45.75	27.66
22-Apr-08	27.17	16.38	45.97	27.71
23-Apr-08	26.81	16.23	44.85	27.16
24-Apr-08	26.29	16.11	43.84	26.86
25-Apr-08	26.56	16.19	44.42	27.07
28-Apr-08	26.46	16.15	44.11	26.92
29-Apr-08	26.02	16.17	43.36	26.94
30-Apr-08	25.73	16.31	42.60	27.01
01-May-08	25.38	16.14	41.99	26.70
02-May-08	26.22	16.38	43.16	26.96
06-May-08	27.14	16.61	44.33	27.46
07-May-08	26.85	16.63	43.88	27.19
08-May-08	26.71	16.83	43.56	27.45
09-May-08	26.98	17.15	44.27	28.14
12-May-08	27.20	17.21	44.62	28.23
13-May-08	26.83	17.34	44.11	28.51
14-May-08	26.24	17.05	43.42	28.21
15-May-08	26.46	17.13	43.44	28.12
16-May-08	26.64	17.18	43.50	28.04
19-May-08	27.05	17.18	43.99	27.95
20-May-08	27.10	17.19	44.30	28.10
21-May-08	27.48	17.37	45.07	28.48
22-May-08	27.82	17.42	45.74	28.64
23-May-08	27.85	17.43	45.73	28.62
26-May-08	27.79	17.50	45.61	28.72
27-May-08	28.04	17.65	45.89	28.89
28-May-08	27.85	17.58	45.26	28.56
29-May-08	28.23	17.70	45.74	28.68
30-May-08	27.77	17.80	45.17	28.95
02-Jun-08	28.01	17.81	45.58	28.98
03-Jun-08	28.83	18.91	46.82	30.72
04-Jun-08	28.29	18.76	45.63	30.26
05-Jun-08	28.17	18.97	45.84	30.86
06-Jun-08	29.32	19.51	48.02	31.95
09-Jun-08	29.27	19.48	48.17	32.06
10-Jun-08	28.99	19.58	47.36	31.97

11-Jun-08	29.11	19.79	47.81	32.49
12-Jun-08	28.95	19.65	47.77	32.41
13-Jun-08	28.80	19.76	47.12	32.34
16-Jun-08	28.93	19.81	47.60	32.59
17-Jun-08	29.03	19.92	47.69	32.73
18-Jun-08	29.33	20.03	48.12	32.87
19-Jun-08	29.56	20.20	48.17	32.91
20-Jun-08	29.35	20.21	48.06	33.10
23-Jun-08	29.81	20.63	48.62	33.65
24-Jun-08	30.05	21.05	48.99	34.31
25-Jun-08	29.90	20.80	48.87	33.99
26-Jun-08	30.43	21.19	50.14	34.90
27-Jun-08	30.94	21.66	50.86	35.59
30-Jun-08	31.47	22.16	51.72	36.41
01-Jul-08	32.38	23.53	53.60	38.95
02-Jul-08	30.95	24.55	51.05	40.49
03-Jul-08	30.46	23.50	49.77	38.40
04-Jul-08	30.74	24.07	50.08	39.20
07-Jul-08	30.43	25.04	50.01	41.15
08-Jul-08	28.52	23.35	46.78	38.31
09-Jul-08	28.73	23.60	47.32	38.86
10-Jul-08	29.60	23.71	48.54	38.88
11-Jul-08	30.52	24.27	50.31	40.01
14-Jul-08	30.31	24.06	49.60	39.37
15-Jul-08	29.37	23.47	47.72	38.13
16-Jul-08	27.77	22.64	45.09	36.76
17-Jul-08	28.43	23.23	46.43	37.93
18-Jul-08	27.14	22.43	44.30	36.62
21-Jul-08	27.10	22.44	44.17	36.58
22-Jul-08	27.37	22.11	44.47	35.92
23-Jul-08	27.51	21.30	44.86	34.73
24-Jul-08	28.02	21.53	45.77	35.17
25-Jul-08	27.85	21.44	45.70	35.19
28-Jul-08	27.19	20.82	44.74	34.26
29-Jul-08	26.35	20.11	43.12	32.90
30-Jul-08	25.38	19.26	41.90	31.79
31-Jul-08	24.70	18.73	40.88	31.01
01-Aug-08	23.95	18.34	40.07	30.68
04-Aug-08	23.85	18.83	39.97	31.55
05-Aug-08	24.29	19.43	40.99	32.80
06-Aug-08	24.99	19.88	42.39	33.72
07-Aug-08	25.61	20.63	43.29	34.87
08-Aug-08	25.34	20.72	42.79	35.00
11-Aug-08	25.41	20.94	42.89	35.34
12-Aug-08	26.07	21.50	44.46	36.66
13-Aug-08	26.46	21.50	45.08	36.63
14-Aug-08	26.15	21.38	44.47	36.36
15-Aug-08	25.84	21.31	43.77	36.09
18-Aug-08	26.31	21.76	44.56	36.86
19-Aug-08	26.39	21.71	44.74	36.81
20-Aug-08	27.13	21.93	45.81	37.02
21-Aug-08	27.45	22.06	46.45	37.33
22-Aug-08	27.32	21.93	46.56	37.38
25-Aug-08	27.18	21.99	46.43	37.57
26-Aug-08	27.45	22.14	46.98	37.89
27-Aug-08	27.88	22.22	47.80	38.10
28-Aug-08	27.92	22.30	47.63	38.03
29-Aug-08	27.90	22.44	47.66	38.33
01-Sep-08	27.66	22.26	47.49	38.22
02-Sep-08	27.38	21.78	47.36	37.67
03-Sep-08	27.13	21.70	47.07	37.64
04-Sep-08	27.34	21.89	47.53	38.06
05-Sep-08	27.08	21.48	47.40	37.60
08-Sep-08	26.81	21.38	46.38	36.98
09-Sep-08	25.42	20.39	44.80	35.93
10-Sep-08	25.31	20.23	44.25	35.37
11-Sep-08	25.59	20.22	44.54	35.19
12-Sep-08	26.41	20.94	45.62	36.17
15-Sep-08	25.54	20.48	45.25	36.29
16-Sep-08	25.40	20.34	44.86	35.93
17-Sep-08	25.79	20.51	46.50	36.99
18-Sep-08	26.33	20.95	47.02	37.40
19-Sep-08	27.25	21.87	47.25	37.92

22-Sep-08	27.41	21.82	47.87	38.11
23-Sep-08	27.53	21.63	48.34	37.98
24-Sep-08	27.00	21.04	47.36	36.91
25-Sep-08	26.92	20.72	47.10	36.25
26-Sep-08	26.83	20.27	47.19	35.66
29-Sep-08	25.50	19.07	45.89	34.31
30-Sep-08	24.66	19.13	43.91	34.07
01-Oct-08	25.20	19.69	44.78	34.99
02-Oct-08	25.49	20.03	45.49	35.75
03-Oct-08	25.41	19.71	45.19	35.05
06-Oct-08	24.36	18.99	46.67	36.37
07-Oct-08	24.33	19.32	46.39	36.83
08-Oct-08	23.83	19.24	48.22	38.94
09-Oct-08	24.62	20.03	48.25	39.26
10-Oct-08	23.99	19.50	50.17	40.77
13-Oct-08	24.55	19.93	48.77	39.59
14-Oct-08	24.96	20.29	48.77	39.64
15-Oct-08	24.55	19.93	49.25	39.99
16-Oct-08	23.94	19.30	46.93	37.82
17-Oct-08	23.74	19.17	45.97	37.11
20-Oct-08	23.84	18.82	45.25	35.73
21-Oct-08	23.19	18.09	44.45	34.67
22-Oct-08	21.85	16.69	41.80	31.93
23-Oct-08	21.96	17.02	43.13	33.42
24-Oct-08	20.87	16.07	42.37	32.62
27-Oct-08	19.31	15.12	39.84	31.20
28-Oct-08	19.01	15.25	37.63	30.17
29-Oct-08	19.85	15.77	38.24	30.38
30-Oct-08	19.61	15.64	37.32	29.76
31-Oct-08	19.41	15.55	37.01	29.63
03-Nov-08	19.72	15.65	36.77	29.17
04-Nov-08	20.45	16.25	38.16	30.33
05-Nov-08	20.09	15.78	37.70	29.62
06-Nov-08	19.74	15.70	37.66	29.95
07-Nov-08	20.29	16.19	38.30	30.55
10-Nov-08	20.22	16.26	38.46	30.94
11-Nov-08	19.70	15.92	37.58	30.37
12-Nov-08	19.58	16.04	38.34	31.40
13-Nov-08	19.51	16.05	38.05	31.30
14-Nov-08	19.08	15.71	36.85	30.33
17-Nov-08	18.77	15.26	36.34	29.55
18-Nov-08	18.33	14.89	35.59	28.90
19-Nov-08	18.10	14.78	35.14	28.69
20-Nov-08	16.51	13.30	33.44	26.93
21-Nov-08	16.66	13.90	33.62	28.06
24-Nov-08	17.55	14.49	34.90	28.82
25-Nov-08	17.49	14.20	35.13	28.51
26-Nov-08	17.26	14.12	34.18	27.96
27-Nov-08	18.08	14.49	35.29	28.28
28-Nov-08	17.29	14.14	33.52	27.43
01-Dec-08	17.27	14.48	33.73	28.29
02-Dec-08	17.11	14.35	34.00	28.50
03-Dec-08	16.92	14.27	33.33	28.11
04-Dec-08	16.52	13.90	32.76	27.57
05-Dec-08	15.32	13.01	30.46	25.86
08-Dec-08	16.09	13.38	31.43	26.13
09-Dec-08	15.89	13.14	31.20	25.80
10-Dec-08	16.04	13.20	31.76	26.13
11-Dec-08	16.65	13.40	32.86	26.44
12-Dec-08	16.57	13.53	33.62	27.44
15-Dec-08	16.95	13.74	34.82	28.21
16-Dec-08	16.90	13.78	34.44	28.09
17-Dec-08	16.85	13.86	34.44	28.34
18-Dec-08	16.66	13.50	34.06	27.60
19-Dec-08	16.65	13.45	33.83	27.31
22-Dec-08	16.99	13.47	34.46	27.31
23-Dec-08	16.75	13.40	34.33	27.46
24-Dec-08	16.67	13.29	34.18	27.24
29-Dec-08	16.78	13.36	34.17	27.20
30-Dec-08	16.98	13.60	34.67	27.78
31-Dec-08	16.85	13.78	33.27	27.20
02-Jan-09	16.50	13.42	32.34	26.29
05-Jan-09	16.33	13.46	30.97	25.52

06-Jan-09	16.61	13.64	30.99	25.45
07-Jan-09	16.36	13.51	31.30	25.84
08-Jan-09	15.64	12.90	30.23	24.93
09-Jan-09	15.29	12.56	29.16	23.95
12-Jan-09	14.70	12.41	28.68	24.20
13-Jan-09	14.52	12.29	28.90	24.50
14-Jan-09	13.97	11.87	27.87	23.68
15-Jan-09	13.95	11.89	27.64	23.56
16-Jan-09	13.30	11.10	26.39	22.02
19-Jan-09	12.31	10.10	24.05	19.73
20-Jan-09	12.24	10.04	24.20	19.86
21-Jan-09	12.20	10.13	24.02	19.95
22-Jan-09	12.32	10.22	24.32	20.16
23-Jan-09	12.31	10.11	24.33	19.98
26-Jan-09	12.76	10.56	25.40	21.02
27-Jan-09	12.57	10.39	25.03	20.68
28-Jan-09	12.39	10.30	24.41	20.29
29-Jan-09	12.51	10.44	24.79	20.69
30-Jan-09	12.49	10.52	25.13	21.15
02-Feb-09	11.96	10.16	24.31	20.65
03-Feb-09	11.25	9.83	22.45	19.62
04-Feb-09	11.03	9.69	21.93	19.27
05-Feb-09	10.79	9.57	21.17	18.77
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09-Feb-09	10.64	9.34	20.37	17.89
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11-Feb-09	9.03	7.81	17.80	15.38
12-Feb-09	8.74	7.55	17.26	14.90
13-Feb-09	9.26	8.06	18.10	15.77
16-Feb-09	9.02	7.91	17.74	15.55
17-Feb-09	9.27	8.14	18.30	16.07
18-Feb-09	10.30	8.98	20.27	17.66
19-Feb-09	11.55	9.97	22.65	19.56
20-Feb-09	10.68	9.00	21.19	17.85
23-Feb-09	10.31	8.72	20.37	17.22
24-Feb-09	10.07	8.39	19.90	16.58
25-Feb-09	10.50	8.86	20.69	17.48
26-Feb-09	11.43	9.61	22.37	18.80
27-Feb-09	10.92	9.02	21.53	17.79
02-Mar-09	10.92	9.38	21.71	18.65
03-Mar-09	11.89	10.10	23.31	19.81
04-Mar-09	12.60	10.73	24.52	20.87
05-Mar-09	12.60	10.52	24.77	20.66
06-Mar-09	11.79	10.18	23.34	20.15
09-Mar-09	12.70	10.82	25.31	21.56
10-Mar-09	13.06	11.23	25.73	22.12
11-Mar-09	12.82	10.89	25.30	21.49
12-Mar-09	13.11	11.08	25.86	21.85
13-Mar-09	13.56	11.46	26.61	22.49
16-Mar-09	13.86	11.74	27.21	23.04
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18-Mar-09	13.713	11.553	27.14	22.87
19-Mar-09	12.845	10.910		
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23-Mar-09	13.065	11.095		
24-Mar-09	12.385	10.455		
25-Mar-09	11.715	9.863		
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3-Apr-09	13.618	10.998		
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22-Apr-09	14.645	11.340		

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24-Apr-09	14.850	11.750
27-Apr-09	14.710	11.750
29-Apr-09	14.813	11.778
30-Apr-09	15.328	11.848
1-May-09	15.425	11.993
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6-May-09	15.665	12.158
7-May-09	15.908	12.218
8-May-09	16.713	12.730
11-May-09	17.055	13.080
12-May-09	16.250	12.385
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18-May-09	15.513	11.983
19-May-09	15.778	12.260
20-May-09	16.358	12.818
21-May-09	16.115	12.565
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25-May-09	16.115	12.805
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27-May-09	16.323	12.983
28-May-09	16.215	12.993
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18-Jun-09	13.863	11.165
19-Jun-09	14.328	11.588
22-Jun-09	13.928	11.240
23-Jun-09	14.010	11.428
24-Jun-09	14.308	11.710
25-Jun-09	14.463	11.898
26-Jun-09	14.428	11.803
29-Jun-09	14.608	12.070
30-Jun-09	14.278	11.793
1-Jul-09	14.235	11.930
2-Jul-09	14.058	11.885
3-Jul-09	13.980	11.928
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7-Jul-09	14.150	11.978
8-Jul-09	14.433	11.978
9-Jul-09	14.848	12.028
10-Jul-09	15.038	12.140
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16-Jul-09	15.558	13.043
17-Jul-09	15.113	12.833
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28-Jul-09	14.768	12.465
29-Jul-09	14.565	12.228
30-Jul-09	14.725	12.243
31-Jul-09	14.688	12.188
3-Aug-09	15.410	12.508
4-Aug-09	15.610	12.780
5-Aug-09	15.330	12.563

6-Aug-09	15.335	12.830
7-Aug-09	15.275	12.838
10-Aug-09	15.133	12.575
11-Aug-09	15.098	12.565
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13-Aug-09	15.263	12.595
14-Aug-09	15.280	12.895
17-Aug-09	15.393	12.768
18-Aug-09	15.675	12.965
19-Aug-09	15.823	13.065
20-Aug-09	16.035	13.185
21-Aug-09	16.303	13.258
24-Aug-09	16.120	13.260
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26-Aug-09	16.045	13.328
27-Aug-09	16.020	13.300
28-Aug-09	16.050	13.315
31-Aug-09	15.775	13.255
1-Sep-09	15.710	13.255
2-Sep-09	15.920	13.235
3-Sep-09	16.225	13.440
4-Sep-09	16.053	13.433
7-Sep-09	16.178	13.453
8-Sep-09	16.280	13.490
9-Sep-09	15.998	13.315
10-Sep-09	15.910	13.203
11-Sep-09	15.350	12.785
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17-Sep-09	14.695	12.375
18-Sep-09	14.348	12.140
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23-Sep-09	13.998	11.798
24-Sep-09	13.463	11.458
25-Sep-09	13.755	11.825
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29-Sep-09	13.778	11.415
30-Sep-09	14.033	11.838

€ 34
€ 32
€ 30
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€ 18
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€ 8
€ 6
€ 4
€ 2
€ 0
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CER Dec09-12
Apr-05
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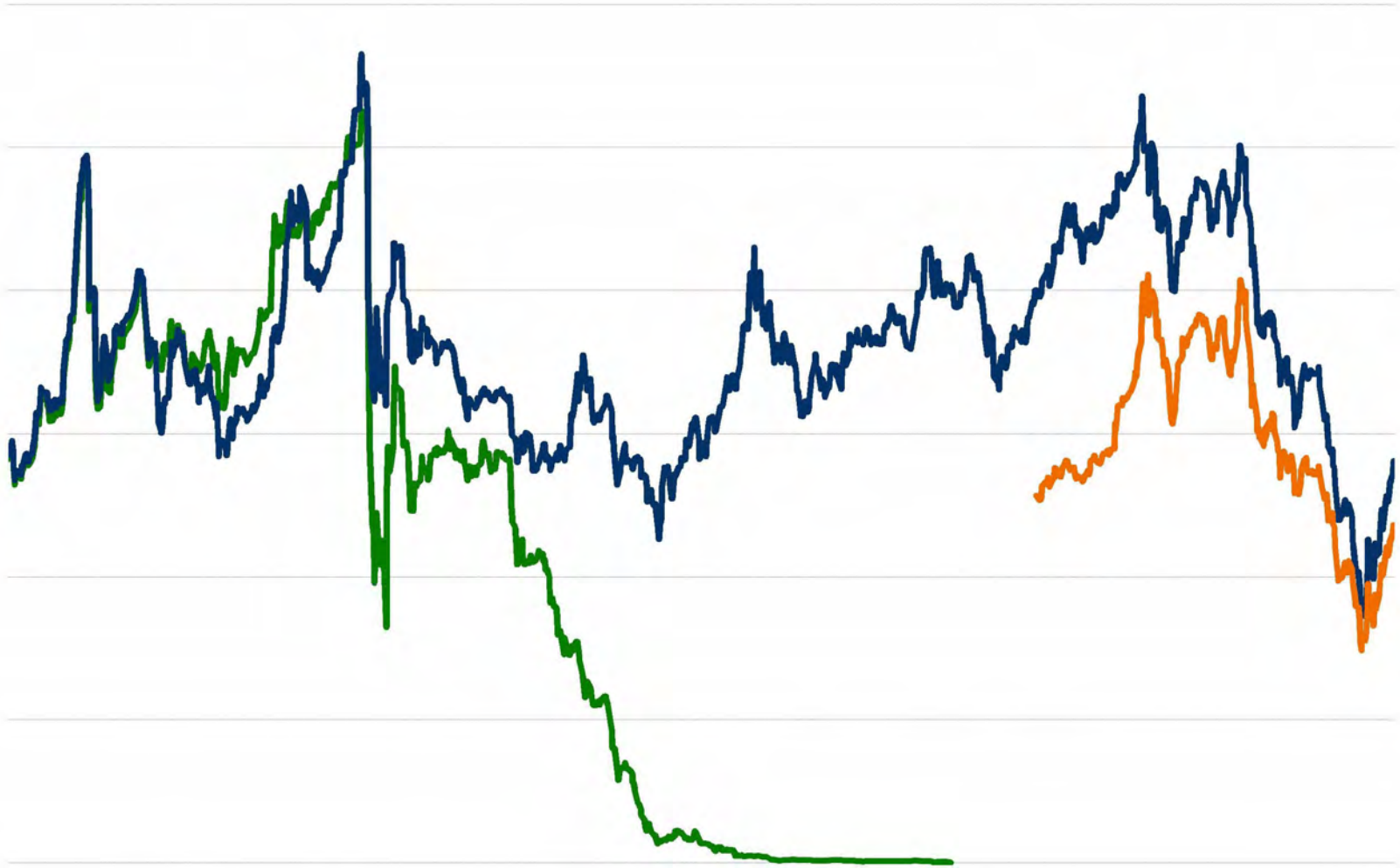
Apr-09



From:	Ishwar Saini
To:	fer@cpuc.ca.gov
CC:	Andre Templeman; Matthew D'Agostino; Patricia Jones (LRM)
Sent:	5/18/2011 1:39:29 PM
Subject:	Thank you.
Attachments:	FIEG Presentation to CPUC Final.ppt

Commissioner Ferron,

Thank you for your time yesterday to discuss Risk management in California's renewable energy markets.

FIEG appreciates the opportunity and look forward to working with you and your team on some of the regulatory policy proceedings.

Attached is the final presentation for your records. Feel free to contact us for any questions.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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FIEG Presentation to CPUC

Comm. Florio and Comm. Ferron

May 17, 2011

Disclaimer

- Information presented here is meant to be informational and not necessarily accurate for all FIEG members.

FIEG

- Financial Institution Energy Group (FIEG) is comprised of investment and commercial banks
- Its members and their affiliates play a number of roles in California's wholesale power, natural gas, and renewable markets
- Members act as marketers, lenders, underwriters of debt and equity securities, and proprietary investors
- FERC has authorized FIEG's power-marketer members to sell energy, capacity, and AS at market based rates

FIEG Expertise

- FIEG members bring financial, physical, and risk management expertise to energy and environmental markets
- Active participants in global & national energy, renewable, and emissions markets
- Manage risk for clients in a dynamically changing regulatory and market environment
- Offerings with integrated energy, emissions, and financial products to clients

California's energy/environmental landscape

- Inherently complex with multiple regulatory institutions
- Markets are sensitive to respective regulatory policies, e.g.
  - CPUC's TREC decision
  - ARB Cap & Trade and Reporting regulations
  - CEC and REC eligibility
  - Legislative: RPS SB SBx1_2
- Regulatory policies have direct impact on investments, market prices, costs, and risk perception
- California markets remain a work in progress

Regulatory developments and risk assessment

- FIEG members monitor and manage regulatory and market risks
- Perceived high risk adds premium to deal prices with implications on liquidity, volatility, and potential investments
- On the contrary, reduced regulatory risk increases market liquidity and improves investment environment
- California's renewable energy markets are nascent and changing rapidly
  - High regulatory risk impedes both instate and out of state project financing
  - Creates reluctance for long term deal structures required for financing new infrastructure
  - Introduces uncertainties in grid operation planning, and market outcomes

Managing policy and regulatory risks

- Structured deals
- Project financing
  - Debt and equity
- Project development
- Regulatory advocacy and advisory
- Market liquidity
  - Trading and flow sales
  - Odd-lot liquidity

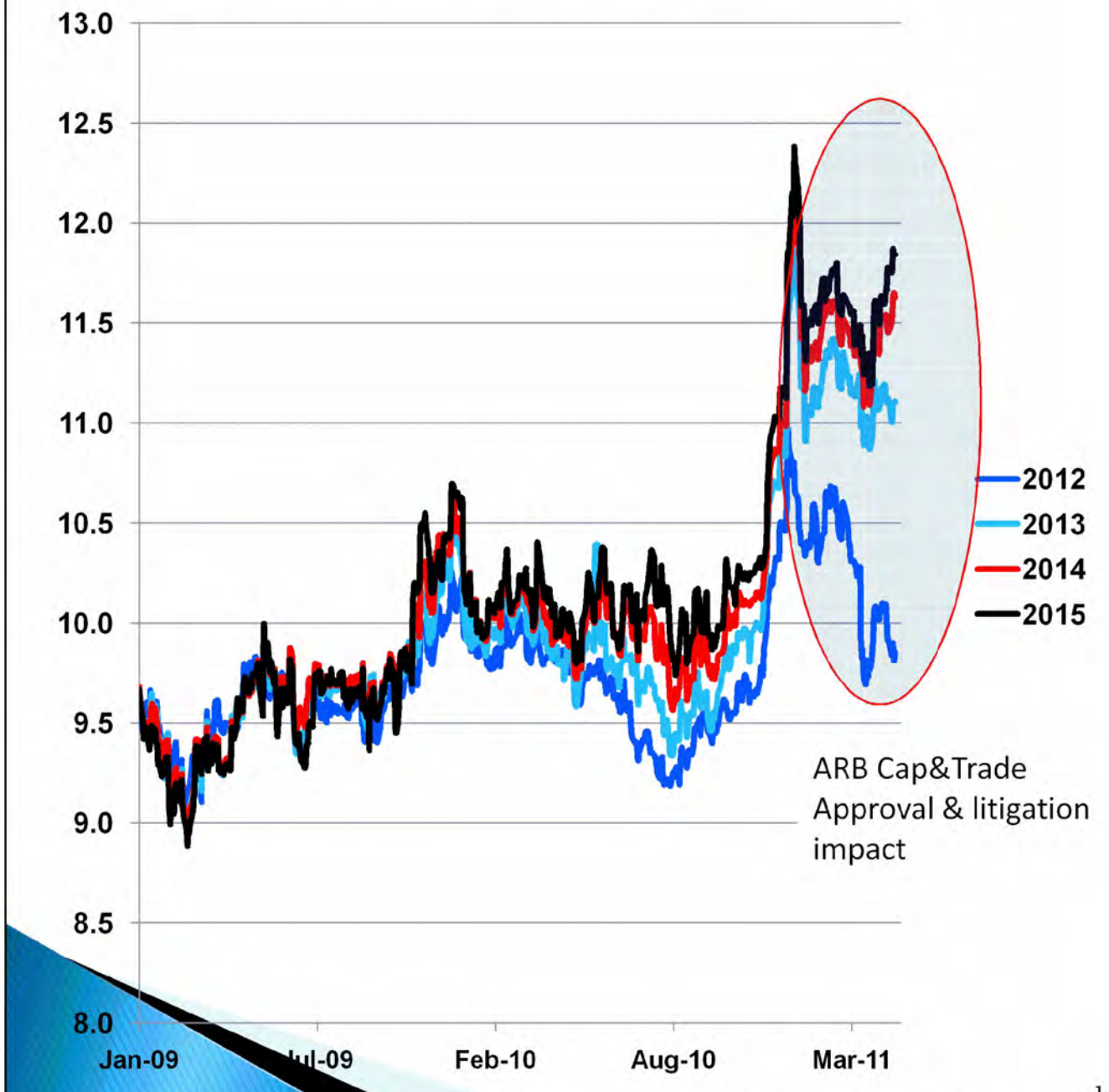
Typical examples of structured transactions

- Firming and shaping
- REC deals
- Carbon hedging
- Prepays
- Credit sleeves
- Tolling agreements
- PPAs
- Exhaustive/Dynamic contracts

Potential impact of regulatory policies

- Long term
  - Investments, risk, and returns in energy and environmental infrastructure
  - Long term hedging for both producers and consumers
- Medium term
  - Operational planning and policies
  - Impact on three to five year market environment
    - On most liquid term
  - Drives political and legislative initiatives
- Short term
  - Prices in regulatory driven markets (GHG allowances)
  - Impact on future price curves
  - Hedging costs and premiums

How regulatory policies impact markets?:
Forward Settled HR SP15 ONPEAK

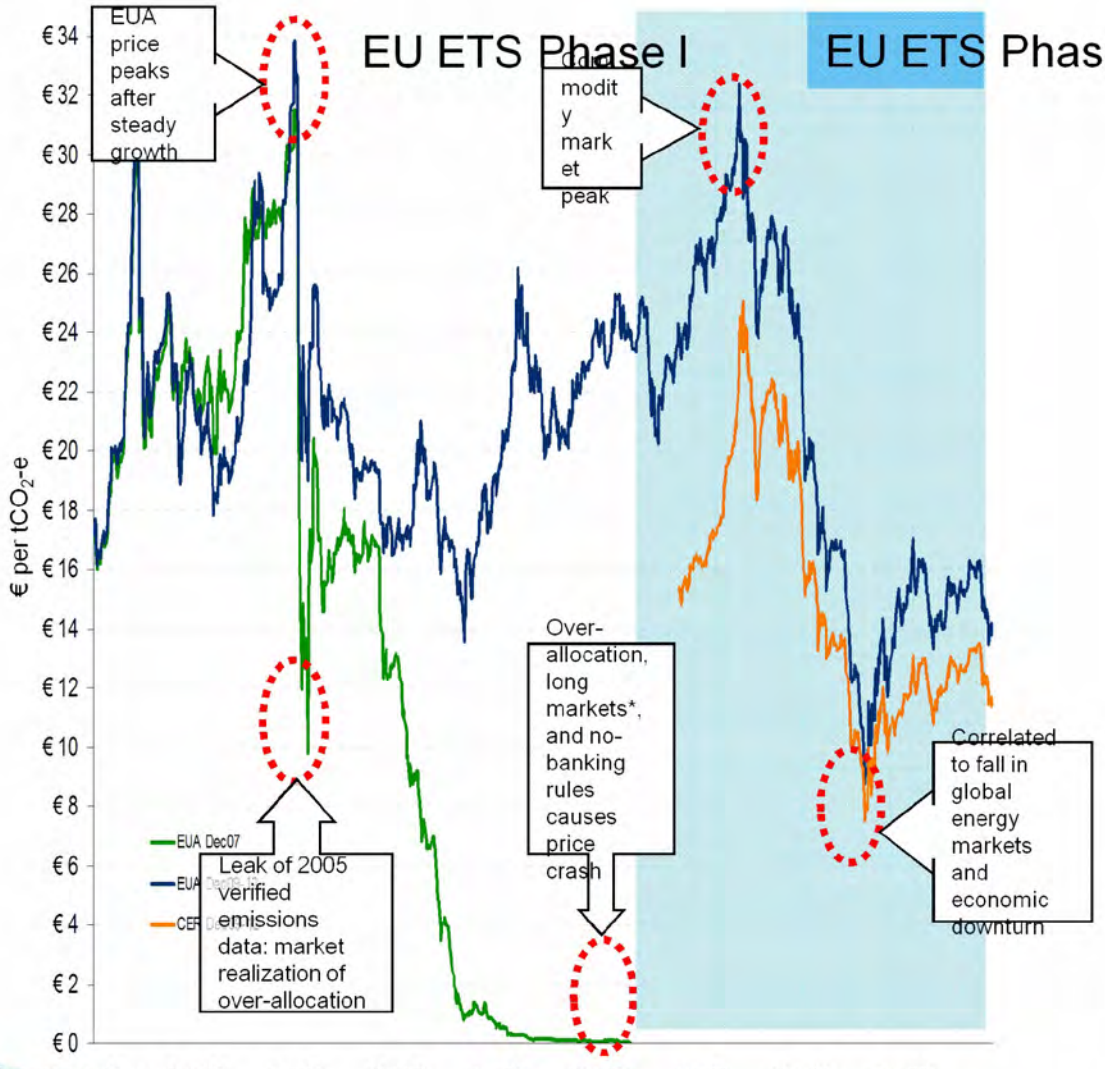


Source: Intercontinental Exchange

Contd.. Impact of Allowance allocation on European Carbon ETS allowances

THE PRICE OF EUAs EXPERIENCED SIGNIFICANT VOLATILITY

Price evolution during the EU ETS has represented the market's view about the level of the carbon constraint, and the effort required to comply with it. It has interacted dynamically with fuel and weather markets, as well as expectations about economic growth.



Sources: ECX, Bloomberg

* Program created more allowances than there were actual emission

Recommendations

- Recommendations for nurturing renewables and environmental markets with manageable risk
  - Stable policies and rules
  - Non discriminatory regulations
  - Standardization of products and services
  - Market oriented regulatory environment
  - Integrated view of conventional power, renewables, and environmental markets
  - Effective end-user protection

FIEG members continue to add value

- FIEG members reduce risk, manage volatility, stabilize markets, and reduce costs for long terms benefits to ratepayers and consumers (e.g. providing quotes on large, small, or long-dated obligation hedges.)
- FIEG members bring national and international best industry practices to California's energy and environment industries
- In short, FIEG members manage risks in the renewable markets benefiting producers and consumers in the energy and environment value chain.

Latest date 3/18/2009

EUA

Date	Dec07	Dec08	Dec09	Dec10	Dec11	Dec12	EURAUD	EUR Avg	AUD Avg
22 Apr 05	16.95	17.00	17.05	17.10	17.15	17.20	1.67	17.08	28.50483
25 Apr 05	17.55	17.60	17.65	17.70	17.75	17.80	1.67	17.68	29.45995
26 Apr 05	17.20	17.25	17.30	17.35	17.40	17.45	1.67	17.33	28.88999
27 Apr 05	16.45	16.50	16.55	16.60	16.65	16.70	1.67	16.58	27.60976
28 Apr 05	16.00	16.10	16.10	16.15	16.20	16.25	1.65	16.13	26.69293
29 Apr 05	16.50	16.55	16.60	16.65	16.70	16.75	1.65	16.63	27.38149
03 May 05	16.25	16.30	16.35	16.40	16.45	16.50	1.66	16.38	27.25156
04 May 05	16.20	16.25	16.30	16.35	16.40	16.45	1.66	16.33	27.06684
05 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.66	16.73	27.74784
06 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.65	16.73	27.64018
09 May 05	17.00	17.05	17.10	17.15	17.20	17.25	1.66	17.13	28.48462
10 May 05	17.10	17.15	17.20	17.25	17.30	17.35	1.66	17.23	28.56019
11 May 05	16.90	16.95	17.00	17.05	17.10	17.15	1.65	17.03	28.14328
12 May 05	16.75	16.80	16.85	16.90	16.95	17.00	1.66	16.88	27.98616
13 May 05	16.80	17.00	17.05	17.10	17.15	17.20	1.66	17.05	28.28752
16 May 05	16.90	17.00	17.05	17.10	17.15	17.20	1.67	17.07	28.52631
17 May 05	17.20	17.40	17.45	17.50	17.55	17.60	1.67	17.45	29.09861
18 May 05	17.45	17.65	17.70	17.75	17.80	17.85	1.66	17.70	29.46153
19 May 05	18.00	18.10	18.15	18.20	18.25	18.30	1.67	18.17	30.28512
20 May 05	18.75	18.80	18.85	18.90	18.95	19.00	1.66	18.88	31.36366
23 May 05	18.50	18.75	18.80	18.90	19.00	19.10	1.66	18.84	31.20787
24 May 05	19.10	19.20	19.30	19.35	19.40	19.50	1.65	19.31	31.81261
25 May 05	19.95	20.00	20.05	20.10	20.15	20.20	1.65	20.08	33.18094
26 May 05	19.75	19.90	19.95	20.00	20.05	20.10	1.65	19.96	32.88223
27 May 05	19.65	19.85	19.90	19.95	20.00	20.05	1.65	19.90	32.78724
31 May 05	19.90	20.05	20.10	20.15	20.20	20.25	1.63	20.11	32.76718
01 Jun 05	19.60	19.70	19.75	19.80	19.85	19.90	1.63	19.77	32.23564
02 Jun 05	19.50	19.70	19.75	19.80	19.90	20.00	1.63	19.78	32.1553
03 Jun 05	19.10	19.35	19.45	19.50	19.60	19.65	1.62	19.44	31.41738
06 Jun 05	19.30	19.60	19.65	19.75	19.80	19.90	1.60	19.67	31.52403
07 Jun 05	19.60	19.90	20.00	20.10	20.20	20.30	1.60	20.02	31.98079
08 Jun 05	19.80	20.00	20.10	20.20	20.30	20.40	1.60	20.13	32.18545
09 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.67832
10 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.64802
13 Jun 05	19.85	20.15	20.25	20.30	20.40	20.45	1.59	20.23	32.18945
14 Jun 05	19.90	20.20	20.30	20.40	20.50	20.55	1.58	20.31	32.00852
15 Jun 05	20.10	20.20	20.30	20.40	20.50	20.60	1.57	20.35	32.01734
16 Jun 05	20.60	20.65	20.75	20.80	20.90	20.95	1.56	20.78	32.5092
17 Jun 05	21.50	21.60	21.70	21.80	21.90	22.00	1.58	21.75	34.34783
20 Jun 05	22.95	23.10	23.20	23.30	23.40	23.50	1.57	23.24	36.37411
21 Jun 05	23.00	23.20	23.30	23.45	23.55	23.70	1.56	23.37	36.44167
22 Jun 05	23.20	23.30	23.40	23.50	23.60	23.70	1.56	23.45	36.51245
23 Jun 05	23.40	23.50	23.65	23.75	23.90	24.00	1.56	23.70	36.92432
24 Jun 05	24.00	24.05	24.15	24.25	24.35	24.45	1.57	24.21	38.06438
27 Jun 05	23.95	24.05	24.15	24.25	24.35	24.45	1.58	24.20	38.24067
28 Jun 05	24.50	24.65	24.75	24.85	24.95	25.05	1.58	24.79	39.21032
29 Jun 05	25.45	25.60	25.75	25.85	25.00	26.15	1.58	25.80	40.86272
30 Jun 05	25.80	26.00	26.20	26.40	26.60	26.80	1.59	26.30	41.80991
01 Jul 05	26.90	27.10	27.25	27.40	27.55	27.70	1.59	27.32	43.49319
04 Jul 05	29.45	29.60	29.70	29.85	29.95	30.10	1.59	29.78	47.27397

CER

Date	Dec08	Dec09	Dec10	Dec11	Dec12	Mar09	EURAUD	EUR Avg	AUD Avg
3/14/2008	16.30	15.45	15.25	15.35	15.50		1.67	15.57	26.03379
3/17/2008	15.65	14.90	14.70	14.70	15.00		1.71	14.99	25.66958
3/18/2008	15.85	15.10	14.90	14.95	15.20		1.69	15.20	25.72161
3/19/2008	15.90	15.10	14.85	14.90	15.10		1.71	15.17	25.8667
3/20/2008	16.28	15.45	15.23	15.25	15.48		1.71	15.54	26.64257
3/25/2008	16.55	15.75	15.55	15.70	15.90		1.70	15.89	27.04941
3/26/2008	16.42	15.72	15.45	15.60	15.88		1.72	15.81	27.23427
3/27/2008	15.75	15.45	15.42	15.58	15.84		1.71	15.61	26.75535
3/28/2008	15.36	15.15	15.17	15.30	15.63		1.72	15.32	26.34654
3/31/2008	15.43	15.25	15.43	15.61	15.88		1.73	15.52	26.81391
4/1/2008	15.40	15.28	15.45	15.70	16.00		1.72	15.57	26.8197
4/2/2008	15.95	15.78	15.93	16.20	16.55		1.72	16.08	27.58416
4/3/2008	15.90	15.70	15.85	16.35	16.70		1.71	16.10	27.52225
4/4/2008	15.88	15.75	15.88	16.23	16.55		1.70	16.08	27.40592
4/7/2008	15.90	15.70	15.90	16.30	16.70		1.70	16.10	27.29241
4/8/2008	15.75	15.55	15.75	16.15	16.55		1.69	15.95	26.93378
4/9/2008	15.84	15.55	15.72	16.15	16.55		1.70	15.96	27.20175
4/10/2008	16.30	15.85	16.19	16.55	16.95		1.69	16.37	27.63277
4/11/2008	16.16	15.91	16.05	16.40	16.80		1.70	16.26	27.67633
4/14/2008	16.40	16.06	16.25	16.60	17.05		1.71	16.47	28.14984
4/15/2008	16.40	16.10	16.20	16.55	17.00		1.71	16.45	28.09772
4/16/2008	16.30	16.00	16.13	16.40	16.85		1.70	16.34	27.73363
4/17/2008	16.25	15.90	16.05	16.40	16.95		1.70	16.31	27.67039
4/18/2008	16.15	15.85	16.00	16.35	16.80		1.69	16.23	27.45695
4/21/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.63261
4/22/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.68231
4/23/2008	16.08	15.83	15.95	16.35	16.80		1.67	16.20	27.1062
4/24/2008	16.00	15.68	15.90	16.21	16.65		1.67	16.09	26.82612
4/25/2008	16.00	15.70	16.00	16.30	16.75		1.67	16.15	27.01032
4/28/2008	15.95	15.70	15.95	16.25	16.70		1.67	16.11	26.85596
4/29/2008	15.97	15.72	15.97	16.27	16.72		1.67	16.13	26.87543
4/30/2008	16.07	15.90	16.25	16.45	16.85		1.66	16.26	26.92603
5/1/2008	16.04	15.63	15.88	16.33	16.70		1.65	16.12	26.66979
5/2/2008	16.40	16.05	16.20	16.45	16.80		1.65	16.38	26.96659
5/6/2008	16.85	16.50	16.65	16.85	17.25		1.63	16.82	27.47647
5/7/2008	16.59	16.26	16.41	16.61	17.25		1.63	16.62	27.1738
5/8/2008	16.61	16.40	16.60	16.90	17.42		1.63	16.79	27.37368
5/9/2008	16.89	16.70	16.90	17.23	17.75		1.64	17.09	28.05398
5/12/2008	17.00	16.70	17.00	17.30	17.85		1.64	17.17	28.16368
5/13/2008	17.15	16.90	17.10	17.40	17.95		1.64	17.30	28.44445
5/14/2008	16.85	16.50	16.80	17.10	17.80		1.65	17.01	28.14505
5/15/2008	16.90	16.60	16.90	17.20	17.80		1.64	17.08	28.04444
5/16/2008	17.00	16.65	16.95	17.25	17.85		1.63	17.14	27.98424
5/19/2008	17.05	16.78	16.88	17.27	17.80		1.63	17.16	27.9045
5/20/2008	17.10	16.75	16.94	17.25	17.83		1.63	17.17	28.07314
5/21/2008	17.33	17.03	17.15	17.35	17.95		1.64	17.36	28.47143
5/22/2008	17.38	17.05	17.10	17.50	18.03		1.64	17.41	28.62782
5/23/2008	17.35	17.02	17.20	17.50	18.00		1.64	17.41	28.59356
5/26/2008	17.28	17.00	17.30	17.55	18.15		1.64	17.46	28.65123
5/27/2008	17.60	17.25	17.35	17.65	18.35		1.64	17.64	28.86966

05 Jul 05	28.85	29.00	29.10	29.25	29.35	29.50	1.61	29.18	46.83225
06 Jul 05	29.30	29.55	29.70	29.85	30.00	30.15	1.61	29.76	47.89828
07 Jul 05	29.40	29.65	29.80	29.95	30.10	30.25	1.61	29.86	48.16323
08 Jul 05	29.70	30.00	30.20	30.40	30.60	30.80	1.61	30.28	48.82836
11 Jul 05	29.90	30.15	30.35	30.55	30.75	30.95	1.61	30.44	49.13565
12 Jul 05	29.45	29.65	29.80	29.95	30.10	30.25	1.62	29.87	48.27566
13 Jul 05	27.95	28.15	28.25	28.35	28.45	28.55	1.61	28.28	45.59051
14 Jul 05	24.00	24.15	24.30	24.45	24.60	24.75	1.61	24.38	39.16499
15 Jul 05	24.30	24.50	24.65	24.85	25.00	25.20	1.61	24.75	39.74165
18 Jul 05	24.70	25.00	25.05	25.10	25.15	25.20	1.60	25.03	40.04043
19 Jul 05	24.55	24.70	24.80	24.90	25.00	25.05	1.60	24.83	39.7747
20 Jul 05	20.90	21.25	21.45	21.65	21.85	22.05	1.61	21.53	34.5981
21 Jul 05	20.35	20.60	20.85	21.10	21.30	21.55	1.59	20.96	33.31636
22 Jul 05	20.10	20.25	20.35	20.40	20.50	20.55	1.58	20.36	32.13624
25 Jul 05	20.15	20.40	20.55	20.75	20.90	21.10	1.58	20.64	32.64407
26 Jul 05	20.80	21.00	21.20	21.40	21.60	21.80	1.58	21.30	33.75073
27 Jul 05	22.05	22.25	22.40	22.50	22.65	22.75	1.60	22.43	35.81247
28 Jul 05	22.05	22.25	22.35	22.50	22.60	22.75	1.60	22.42	35.80124
29 Jul 05	22.35	22.55	22.70	22.90	23.05	23.25	1.60	22.80	36.49642
01 Aug 05	21.45	21.65	21.80	22.00	22.20	22.40	1.60	21.92	35.04349
02 Aug 05	20.70	20.95	21.05	21.10	21.20	21.25	1.59	21.04	33.52246
03 Aug 05	20.70	20.90	21.10	21.30	21.50	21.70	1.60	21.20	33.86237
04 Aug 05	20.50	20.70	20.90	21.10	21.30	21.50	1.60	21.00	33.64283
05 Aug 05	21.25	21.45	21.55	21.70	21.80	21.95	1.61	21.62	34.75114
08 Aug 05	21.75	21.95	22.05	22.20	22.30	22.45	1.62	22.12	35.74664
09 Aug 05	22.45	22.65	22.75	22.90	23.00	23.15	1.62	22.82	37.07299
10 Aug 05	22.45	22.60	22.80	22.95	23.15	23.30	1.62	22.88	36.95691
11 Aug 05	22.55	22.85	23.05	23.25	23.45	23.65	1.61	23.13	37.20048
12 Aug 05	22.80	23.00	23.10	23.20	23.30	23.40	1.61	23.13	37.21915
15 Aug 05	22.40	22.60	22.75	22.90	23.05	23.20	1.61	22.82	36.70811
16 Aug 05	22.45	22.65	22.80	22.95	23.10	23.25	1.61	22.87	36.72297
17 Aug 05	22.80	23.00	23.15	23.35	23.50	23.70	1.61	23.25	37.48636
18 Aug 05	22.75	22.95	23.05	23.25	23.45	23.65	1.62	23.18	37.48815
19 Aug 05	22.90	23.05	23.20	23.30	23.45	23.55	1.62	23.24	37.61642
22 Aug 05	23.05	23.25	23.40	23.55	23.70	23.85	1.62	23.47	38.01957
23 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	37.94946
24 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	38.05781
25 Aug 05	23.35	23.50	23.60	23.70	23.80	23.90	1.62	23.64	38.28517
30 Aug 05	23.65	23.85	24.05	24.20	24.40	24.55	1.63	24.12	39.39254
31 Aug 05	23.95	24.10	24.25	24.40	24.55	24.70	1.64	24.33	39.78545
01 Sep 05	24.40	24.60	24.75	24.90	25.05	25.20	1.64	24.82	40.66722
02 Sep 05	24.75	24.90	25.05	25.20	25.35	25.50	1.64	25.13	41.14481
05 Sep 05	24.75	24.95	25.10	25.25	25.40	25.55	1.63	25.17	41.09002
06 Sep 05	24.65	24.80	24.95	25.05	25.20	25.30	1.62	24.99	40.57035
07 Sep 05	24.70	24.90	25.00	25.15	25.30	25.45	1.62	25.08	40.65114
08 Sep 05	24.35	24.45	24.55	24.65	24.75	24.85	1.60	24.60	39.45955
09 Sep 05	23.75	23.90	24.00	24.15	24.25	24.40	1.60	24.08	38.57365
12 Sep 05	22.25	22.40	22.50	22.60	22.70	22.80	1.60	22.54	35.96014
13 Sep 05	21.75	21.85	21.95	22.05	22.15	22.25	1.60	22.00	35.11667
14 Sep 05	22.45	22.45	22.55	22.65	22.75	22.85	1.59	22.62	36.00218
15 Sep 05	22.70	22.65	22.80	22.90	23.00	23.10	1.59	22.86	36.44426
16 Sep 05	22.05	22.10	22.20	22.30	22.40	22.50	1.59	22.26	35.46713
19 Sep 05	22.60	22.70	22.80	22.90	23.00	23.10	1.58	22.85	36.19789
20 Sep 05	22.05	21.95	22.25	22.35	22.45	22.55	1.58	22.27	35.22094
21 Sep 05	22.00	20.50	20.65	20.75	20.85	21.00	1.58	20.96	33.20776
22 Sep 05	22.30	20.50	20.60	20.70	20.80	20.90	1.59	20.97	33.39308
23 Sep 05	22.05	19.00	19.15	19.30	19.45	19.60	1.59	19.76	31.41937
26 Sep 05	21.60	18.50	18.65	18.80	18.95	19.10	1.59	19.27	30.72641
27 Sep 05	22.05	19.05	19.15	19.25	19.35	19.45	1.59	19.72	31.32357
28 Sep 05	22.75	20.00	20.10	20.20	20.30	20.40	1.59	20.63	32.70742
29 Sep 05	22.90	20.00	20.10	20.20	20.30	20.40	1.58	20.65	32.68765
30 Sep 05	22.85	20.35	20.45	20.55	20.65	20.75	1.58	20.93	32.99531
03 Oct 05	22.75	20.70	20.70	20.80	20.90	21.00	1.56	21.14	32.98707
04 Oct 05	23.30	21.55	21.65	21.75	21.85	21.95	1.56	22.01	34.33943
05 Oct 05	23.80	22.00	22.05	22.10	22.15	22.20	1.58	22.38	35.3851

5/28/2008	17.65	17.20	17.30	17.60	18.20	1.63	17.59	28.58861
5/29/2008	17.83	17.38	17.41	17.75	18.25	1.62	17.72	28.72153
5/30/2008	17.85	17.45	17.50	17.85	18.40	1.63	17.81	28.96706
6/2/2008	17.93	17.45	17.51	17.87	18.41	1.63	17.83	29.0184
6/3/2008	19.04	18.55	18.60	19.00	19.50	1.62	18.94	30.76058
6/4/2008	19.15	18.60	18.50	18.80	19.15	1.61	18.84	30.38534
6/5/2008	19.45	18.85	18.73	18.90	19.40	1.63	19.07	31.0202
6/6/2008	20.38	19.57	19.35	19.30	19.80	1.64	19.68	32.23193
6/9/2008	20.33	19.50	19.30	19.40	19.73	1.65	19.65	32.34236
6/10/2008	20.15	19.55	19.40	19.55	19.80	1.63	19.69	32.16084
6/11/2008	20.20	19.69	19.60	19.75	20.10	1.64	19.87	32.63062
6/12/2008	20.10	19.50	19.50	19.63	19.95	1.65	19.74	32.56302
6/13/2008	20.15	19.65	19.60	19.75	20.05	1.64	19.84	32.4627
6/16/2008	20.20	19.70	19.65	19.80	20.10	1.65	19.89	32.72161
6/17/2008	20.29	19.84	19.75	19.90	20.20	1.64	20.00	32.85379
6/18/2008	20.43	20.06	19.90	19.91	20.26	1.64	20.11	33.0012
6/19/2008	20.43	20.19	20.05	20.10	20.45	1.63	20.24	32.98684
6/20/2008	20.21	20.23	20.06	20.16	20.40	1.64	20.21	33.09493
6/23/2008	20.35	20.42	20.50	20.62	20.98	1.63	20.57	33.56139
6/24/2008	20.41	20.68	20.85	21.10	21.55	1.63	20.92	34.10699
6/25/2008	20.10	20.40	20.60	20.85	21.35	1.63	20.66	33.76282
6/26/2008	20.32	20.71	20.97	21.28	21.78	1.65	21.01	34.61987
6/27/2008	20.57	21.04	21.34	21.81	22.43	1.64	21.44	35.23612
6/30/2008	20.90	21.47	21.80	22.35	23.00	1.64	21.90	35.99344
7/1/2008	21.91	22.64	23.09	23.73	24.67	1.66	23.21	38.4178
7/2/2008	22.34	23.37	24.05	24.91	25.85	1.65	24.10	39.76223
7/3/2008	21.30	22.25	22.92	23.89	24.93	1.63	23.06	37.6827
7/4/2008	21.90	22.83	23.50	24.45	25.48	1.63	23.63	38.49733
7/7/2008	22.94	23.88	24.51	25.42	26.34	1.64	24.62	40.45862
7/8/2008	21.54	22.23	22.82	23.70	24.65	1.64	22.99	37.71421
7/9/2008	21.80	22.49	23.05	23.85	24.99	1.65	23.24	38.27205
7/10/2008	22.05	22.65	23.16	24.03	25.01	1.64	23.38	38.3362
7/11/2008	22.54	23.29	23.70	24.59	25.50	1.65	23.92	39.43592
7/14/2008	22.45	23.10	23.55	24.30	25.30	1.64	23.74	38.84246
7/15/2008	21.95	22.64	22.94	23.70	24.60	1.62	23.17	37.63347
7/16/2008	21.25	21.90	22.24	22.80	23.63	1.62	22.36	36.30827
7/17/2008	21.85	22.50	22.85	23.35	24.21	1.63	22.95	37.48021
7/18/2008	21.11	21.76	22.04	22.54	23.39	1.63	22.17	36.18428
7/21/2008	21.10	21.78	22.06	22.54	23.38	1.63	22.17	36.14461
7/22/2008	20.80	21.47	21.74	22.24	22.99	1.62	21.85	35.49862
7/23/2008	20.03	20.67	20.94	21.41	22.18	1.63	21.05	34.31557
7/24/2008	20.27	20.93	21.16	21.61	22.40	1.63	21.27	34.75638
7/25/2008	20.12	20.84	21.14	21.52	22.26	1.64	21.18	34.75286
7/28/2008	19.52	20.24	20.51	20.97	21.56	1.65	20.56	33.82917
7/29/2008	18.95	19.56	19.81	20.21	20.85	1.64	19.88	32.52062
7/30/2008	18.25	18.87	19.05	19.30	19.80	1.65	19.05	31.4569
7/31/2008	17.72	18.31	18.48	18.83	19.30	1.66	18.53	30.67213
8/1/2008	17.44	18.03	18.10	18.44	18.90	1.67	18.16	30.38285
8/4/2008	18.14	18.64	18.70	18.88	19.08	1.68	18.69	31.32222
8/5/2008	18.60	19.16	19.19	19.53	19.84	1.69	19.26	32.5153
8/6/2008	18.59	19.25	19.49	20.04	20.74	1.70	19.62	33.2857
8/7/2008	19.20	19.94	20.20	20.77	21.59	1.69	20.34	34.38914
8/8/2008	19.27	20.02	20.34	20.89	21.64	1.69	20.43	34.50889
8/11/2008	19.45	20.22	20.54	21.09	21.90	1.69	20.64	34.83617
8/12/2008	19.96	20.76	21.10	21.68	22.44	1.71	21.19	36.13817
8/13/2008	19.85	20.68	21.13	21.69	22.50	1.70	21.17	36.0658
8/14/2008	19.71	20.54	21.00	21.60	22.39	1.70	21.05	35.79099
8/15/2008	19.67	20.48	20.93	21.51	22.31	1.69	20.98	35.53797
8/18/2008	20.14	20.96	21.37	21.95	22.77	1.69	21.44	36.31248
8/19/2008	20.11	20.91	21.32	21.90	22.71	1.70	21.39	36.27181
8/20/2008	20.32	21.13	21.54	22.11	22.93	1.69	21.61	36.47898
8/21/2008	20.45	21.25	21.68	22.24	23.07	1.69	21.74	36.78447
8/22/2008	20.34	21.13	21.55	22.10	22.94	1.70	21.61	36.83896
8/25/2008	20.40	21.20	21.60	22.15	23.00	1.71	21.67	37.02394
8/26/2008	20.56	21.36	21.76	22.29	23.13	1.71	21.82	37.34895

06 Oct 05	23.60	22.55	22.60	22.65	22.70	22.75	1.61	22.81	36.61587
07 Oct 05	23.05	21.90	22.00	22.05	22.10	22.20	1.60	22.22	35.59438
10 Oct 05	23.05	22.25	22.60	22.70	22.80	22.90	1.59	22.72	36.11506
11 Oct 05	23.15	22.40	22.45	22.60	22.75	22.90	1.59	22.71	36.18844
12 Oct 05	23.50	22.70	22.80	22.95	23.10	23.25	1.59	23.05	36.68919
13 Oct 05	23.45	22.85	23.05	23.20	23.35	23.50	1.60	23.23	37.20257
14 Oct 05	23.05	22.30	22.50	22.70	22.90	23.10	1.61	22.76	36.55253
17 Oct 05	23.10	22.70	22.80	22.90	23.00	23.10	1.60	22.93	36.79777
18 Oct 05	22.85	22.40	22.45	22.50	22.55	22.60	1.60	22.56	36.05531
19 Oct 05	22.40	22.00	22.15	22.30	22.45	22.60	1.60	22.32	35.64923
20 Oct 05	22.10	21.50	21.65	21.80	21.95	22.10	1.60	21.85	34.89308
21 Oct 05	21.80	21.30	21.45	21.60	21.75	21.90	1.60	21.63	34.53276
24 Oct 05	21.45	20.75	20.85	20.95	21.05	21.15	1.60	21.03	33.57403
25 Oct 05	21.40	20.90	21.00	21.10	21.20	21.30	1.60	21.15	33.80913
26 Oct 05	21.65	20.55	20.70	20.85	21.00	21.15	1.60	20.98	33.55394
27 Oct 05	21.85	21.00	21.10	21.20	21.30	21.40	1.60	21.31	34.14837
28 Oct 05	22.10	21.10	21.20	21.30	21.40	21.50	1.61	21.43	34.47765
31 Oct 05	21.90	21.25	21.35	21.45	21.55	21.65	1.60	21.53	34.5245
01 Nov 05	21.75	20.20	20.45	20.65	20.90	21.10	1.61	20.84	33.57086
02 Nov 05	21.35	20.15	20.35	20.50	20.70	20.90	1.62	20.66	33.56716
03 Nov 05	21.25	19.50	19.65	19.85	20.00	20.15	1.62	20.07	32.45766
04 Nov 05	21.35	19.75	19.95	20.15	20.35	20.55	1.61	20.35	32.78807
07 Nov 05	21.60	19.90	20.10	20.30	20.50	20.70	1.61	20.52	33.01905
08 Nov 05	22.05	20.35	20.50	20.65	21.00	21.20	1.60	20.96	33.5975
09 Nov 05	22.50	20.35	20.40	20.50	20.65	20.80	1.60	20.87	33.30659
10 Nov 05	22.70	20.40	20.55	20.70	20.85	21.00	1.60	21.03	33.71661
11 Nov 05	22.70	20.25	20.40	20.60	20.80	21.00	1.60	20.96	33.47469
14 Nov 05	23.15	20.90	21.40	21.55	21.70	21.85	1.61	21.76	34.95272
15 Nov 05	22.90	20.55	20.65	20.80	20.95	21.10	1.60	21.16	33.81428
16 Nov 05	22.75	20.25	20.35	20.45	20.55	20.65	1.60	20.83	33.29859
17 Nov 05	22.45	20.05	20.15	20.25	20.35	20.45	1.60	20.62	32.96032
18 Nov 05	21.65	20.00	20.10	20.20	20.30	20.40	1.61	20.44	32.80906
21 Nov 05	21.70	19.25	19.35	19.45	19.55	19.65	1.59	19.83	31.57829
22 Nov 05	22.20	20.00	20.05	20.10	20.15	20.20	1.60	20.45	32.70789
23 Nov 05	21.60	18.85	18.90	19.00	19.05	19.10	1.60	19.42	31.05057
24 Nov 05	19.90	17.60	17.70	17.80	17.90	18.00	1.59	18.15	28.92726
25 Nov 05	20.15	18.30	18.40	18.50	18.60	18.70	1.59	18.78	29.88571
28 Nov 05	20.50	18.50	18.40	18.50	18.60	18.70	1.59	18.87	30.05743
29 Nov 05	19.90	18.25	18.35	18.45	18.55	18.65	1.60	18.69	29.82195
30 Nov 05	20.15	18.05	18.20	18.30	18.40	18.50	1.59	18.60	29.65059
01 Dec 05	20.55	18.25	18.35	18.45	18.55	18.65	1.58	18.80	29.67465
02 Dec 05	21.80	18.50	18.40	18.30	18.20	18.10	1.56	18.88	29.53437
05 Dec 05	22.70	19.80	19.70	19.60	19.50	19.40	1.57	20.12	31.56466
06 Dec 05	23.40	20.10	20.00	19.90	19.80	19.70	1.56	20.48	32.04044
07 Dec 05	22.90	19.90	19.70	19.60	19.50	19.40	1.57	20.17	31.60875
08 Dec 05	22.05	19.25	19.05	18.90	18.80	18.70	1.57	19.46	30.63534
09 Dec 05	21.70	19.00	19.20	19.30	19.40	19.50	1.57	19.68	30.93755
12 Dec 05	22.35	19.25	19.35	19.45	19.55	19.65	1.58	19.93	31.55578
13 Dec 05	22.70	19.75	19.90	20.05	20.20	20.35	1.58	20.49	32.41133
14 Dec 05	22.45	19.40	19.55	19.70	19.85	20.00	1.59	20.16	31.98821
15 Dec 05	22.40	19.45	19.60	19.75	19.85	20.00	1.60	20.18	32.27619
16 Dec 05	22.10	19.25	19.35	19.45	19.55	19.65	1.61	19.89	32.11185
19 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.62	19.98	32.34954
20 Dec 05	21.95	19.10	19.25	19.40	19.55	19.70	1.62	19.83	32.09156
21 Dec 05	21.85	19.00	19.15	19.30	19.45	19.60	1.61	19.73	31.82807
22 Dec 05	21.65	19.10	19.20	19.30	19.40	19.50	1.62	19.69	31.98563
23 Dec 05	21.35	18.70	18.80	18.90	19.00	19.10	1.63	19.31	31.47509
27 Dec 05	21.65	19.00	19.10	19.20	19.30	19.40	1.64	19.61	32.0683
28 Dec 05	21.85	19.15	19.25	19.35	19.45	19.55	1.63	19.77	32.13662
29 Dec 05	22.05	19.55	19.65	19.75	19.85	19.95	1.62	20.13	32.53445
30 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.61	19.98	32.18077
03 Jan 06	22.75	19.70	19.80	19.90	20.00	20.10	1.62	20.38	33.01227
04 Jan 06	23.05	20.05	20.15	20.25	20.35	20.45	1.62	20.72	33.55703
05 Jan 06	23.45	20.00	20.15	20.25	20.35	20.45	1.62	20.78	33.58321
06 Jan 06	24.00	20.80	21.00	21.10	21.20	21.30	1.61	21.57	34.71891

8/27/2008	20.87	21.60	21.85	22.33	23.10	1.71	21.95	37.63858
8/28/2008	20.99	21.70	21.95	22.40	23.13	1.71	22.03	37.58769
8/29/2008	21.20	21.90	22.08	22.50	23.26	1.71	22.19	37.90735
9/1/2008	21.00	21.70	21.91	22.34	23.10	1.72	22.01	37.78821
9/2/2008	20.55	21.21	21.43	21.85	22.61	1.73	21.53	37.24461
9/3/2008	20.48	21.16	21.35	21.77	22.51	1.73	21.45	37.22242
9/4/2008	20.70	21.38	21.60	21.94	22.65	1.74	21.65	37.64496
9/5/2008	20.35	20.97	21.12	21.52	22.32	1.75	21.26	37.20771
9/8/2008	20.25	20.87	21.12	21.42	22.12	1.73	21.16	36.5919
9/9/2008	19.23	19.89	20.10	20.43	21.12	1.76	20.15	35.51827
9/10/2008	19.05	19.75	19.94	20.28	20.96	1.75	20.00	34.95637
9/11/2008	19.01	19.70	19.94	20.28	20.95	1.74	19.98	34.76856
9/12/2008	19.74	20.39	20.64	20.99	21.74	1.73	20.70	35.75917
9/15/2008	19.23	19.90	20.18	20.52	21.33	1.77	20.23	35.85037
9/16/2008	19.20	19.85	20.05	20.36	21.11	1.77	20.11	35.52706
9/17/2008	19.15	19.94	20.21	20.56	21.33	1.80	20.24	36.4968
9/18/2008	19.54	20.30	20.61	21.00	21.88	1.79	20.67	36.90189
9/19/2008	20.42	21.17	21.59	21.92	22.78	1.73	21.58	37.42122
9/22/2008	20.35	21.08	21.53	21.88	22.78	1.75	21.52	37.59583
9/23/2008	20.20	20.93	21.31	21.68	22.58	1.76	21.34	37.48103
9/24/2008	19.68	20.36	20.74	21.06	22.01	1.75	20.77	36.43006
9/25/2008	19.61	20.13	20.46	20.77	21.51	1.75	20.50	35.86158
9/26/2008	19.50	19.75	20.04	20.35	20.94	1.76	20.12	35.38989
9/29/2008	18.41	18.52	18.85	19.17	19.72	1.80	18.93	34.07878
9/30/2008	18.45	18.63	18.90	19.21	19.78	1.78	18.99	33.82531
10/1/2008	18.95	19.15	19.47	19.78	20.36	1.78	19.54	34.72508
10/2/2008	19.20	19.45	19.74	20.10	20.82	1.79	19.86	35.45683
10/3/2008	18.98	19.14	19.45	19.79	20.46	1.78	19.56	34.79268
10/6/2008	18.41	18.52	18.72	19.02	19.68	1.92	18.87	36.15196
10/7/2008	18.79	18.89	19.07	19.36	19.95	1.91	19.21	36.63085
10/8/2008	18.78	18.84	18.97	19.26	19.89	2.02	19.15	38.75183
10/9/2008	19.60	19.67	19.76	20.02	20.68	1.96	19.95	39.0901
10/10/2008	19.11	19.10	19.26	19.52	20.10	2.09	19.42	40.60768
10/13/2008	19.71	19.60	19.73	20.02	20.37	1.99	19.89	39.50529
10/14/2008	20.20	20.06	20.07	20.32	20.72	1.95	20.27	39.60647
10/15/2008	19.83	19.70	19.69	19.94	20.40	2.01	19.91	39.94942
10/16/2008	18.83	18.93	19.03	19.29	19.93	1.96	19.20	37.64268
10/17/2008	18.77	18.78	18.90	19.21	19.77	1.94	19.09	36.95791
10/20/2008	18.55	18.45	18.60	18.90	19.33	1.90	18.77	35.62931
10/21/2008	17.90	17.75	17.95	18.05	18.60	1.92	18.05	34.59361
10/22/2008	16.65	16.46	16.45	16.65	17.21	1.91	16.68	31.91144
10/23/2008	16.96	16.78	16.78	16.95	17.55	1.96	17.00	33.3956
10/24/2008	16.02	15.83	15.85	16.00	16.59	2.03	16.06	32.60011
10/27/2008	15.08	14.87	14.86	15.06	15.69	2.06	15.11	31.18603
10/28/2008	15.20	15.02	15.02	15.16	15.78	1.98	15.24	30.15717
10/29/2008	15.69	15.54	15.54	15.71	16.29	1.93	15.75	30.35377
10/30/2008	15.19	15.23	15.39	15.62	16.32	1.90	15.55	29.58788
10/31/2008	15.05	15.13	15.37	15.49	16.19	1.91	15.45	29.44554
11/3/2008	15.12	15.19	15.36	15.65	16.39	1.86	15.54	28.97664
11/4/2008	15.45	15.55	15.93	16.43	17.10	1.87	16.09	30.02809
11/5/2008	15.10	15.17	15.51	15.89	16.56	1.88	15.65	29.364
11/6/2008	15.13	15.14	15.43	15.79	16.43	1.91	15.58	29.73124
11/7/2008	15.62	15.63	15.92	16.30	16.90	1.89	16.07	30.3393
11/10/2008	15.70	15.70	15.99	16.36	17.00	1.90	16.15	30.72271
11/11/2008	15.36	15.38	15.64	16.01	16.64	1.91	15.81	30.15315
11/12/2008	15.65	15.49	15.78	16.15	16.73	1.96	15.96	31.24578
11/13/2008	15.87	15.60	15.82	16.13	16.64	1.95	16.01	31.23358
11/14/2008	15.50	15.26	15.51	15.74	16.31	1.93	15.66	30.25246
11/17/2008	15.30	15.03	15.12	15.36	15.52	1.94	15.27	29.56255
11/18/2008	14.95	14.71	14.71	14.91	15.21	1.94	14.90	28.92287
11/19/2008	14.81	14.64	14.64	14.79	15.04	1.94	14.78	28.70136
11/20/2008	13.35	13.15	13.15	13.34	13.56	2.02	13.31	26.95053
11/21/2008	13.87	13.72	13.77	13.94	14.17	2.02	13.89	28.04447
11/24/2008	14.30	14.19	14.29	14.58	14.89	1.99	14.45	28.74614
11/25/2008	14.02	13.91	14.05	14.28	14.56	2.01	14.16	28.44147

09 Jan 06	23.70	20.10	20.20	20.30	20.40	20.50	1.60	20.87	33.44547
10 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.61	21.08	33.94555
11 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.60	21.08	33.78345
12 Jan 06	24.00	20.40	20.55	20.70	20.80	20.95	1.60	21.23	34.00398
13 Jan 06	24.00	20.80	20.70	20.85	20.95	21.10	1.61	21.40	34.40937
16 Jan 06	24.05	20.85	21.00	21.10	21.20	21.30	1.61	21.58	34.65398
17 Jan 06	25.25	21.55	21.70	21.85	22.00	22.15	1.61	22.42	36.02128
18 Jan 06	26.45	22.30	22.55	22.65	22.75	22.85	1.62	23.26	37.6071
19 Jan 06	26.65	22.40	22.55	22.70	22.85	23.00	1.62	23.36	37.75106
20 Jan 06	27.90	22.80	22.90	23.00	23.10	23.20	1.62	23.82	38.63698
23 Jan 06	26.90	22.60	22.75	22.90	23.05	23.20	1.63	23.57	38.46897
24 Jan 06	26.35	21.85	22.05	22.20	22.35	22.50	1.63	22.88	37.41181
25 Jan 06	26.70	22.25	22.45	22.60	22.75	22.90	1.63	23.28	37.84966
26 Jan 06	27.45	22.70	22.85	23.00	23.15	23.30	1.62	23.74	38.49748
27 Jan 06	26.90	22.80	22.95	23.10	23.25	23.40	1.61	23.73	38.25389
30 Jan 06	27.50	24.05	24.20	24.40	24.60	24.80	1.61	24.93	40.20559
31 Jan 06	27.55	24.65	25.00	25.15	25.35	25.50	1.61	25.53	41.08016
01 Feb 06	28.05	25.50	25.90	26.25	26.70	27.10	1.60	26.58	42.57681
02 Feb 06	28.55	25.95	26.45	26.90	27.25	27.55	1.60	27.11	43.46511
03 Feb 06	28.85	26.80	27.00	27.20	27.40	27.60	1.60	27.48	44.0457
06 Feb 06	28.70	28.15	28.50	28.90	29.30	29.70	1.61	28.88	46.5195
07 Feb 06	27.65	27.50	27.80	28.05	28.30	28.55	1.61	27.98	45.17256
08 Feb 06	27.15	27.00	27.25	27.55	27.75	27.95	1.61	27.44	44.29182
09 Feb 06	27.45	27.30	27.95	28.15	28.35	28.55	1.62	27.96	45.23857
10 Feb 06	27.30	27.45	27.90	28.30	28.55	28.80	1.62	28.05	45.30473
13 Feb 06	27.20	27.10	27.60	27.80	28.00	28.20	1.61	27.65	44.51164
14 Feb 06	27.35	27.40	27.60	27.80	28.00	28.20	1.61	27.73	44.63193
15 Feb 06	27.60	27.55	27.65	27.80	27.95	28.10	1.61	27.78	44.70835
16 Feb 06	27.95	27.85	28.45	29.00	29.70	30.30	1.61	28.88	46.45744
17 Feb 06	27.70	27.75	28.40	28.90	29.40	29.90	1.61	28.68	46.29899
20 Feb 06	28.10	27.55	28.05	28.55	29.05	29.55	1.61	28.48	45.8541
21 Feb 06	28.30	27.15	27.70	28.20	29.00	29.60	1.61	28.33	45.67823
22 Feb 06	28.20	26.65	27.30	27.85	28.60	29.20	1.62	27.97	45.22865
23 Feb 06	27.65	24.40	25.00	25.60	25.70	25.00	1.61	25.56	41.24082
24 Feb 06	27.65	24.50	25.10	25.70	26.30	26.90	1.61	26.03	41.77746
27 Feb 06	27.20	24.20	24.75	25.35	26.30	26.90	1.61	25.78	41.42353
28 Feb 06	27.40	24.30	24.85	25.45	26.05	26.65	1.60	25.78	41.37455
01 Mar 06	27.85	24.10	24.65	25.20	25.75	26.30	1.60	25.64	41.03069
02 Mar 06	28.15	24.00	24.50	25.00	25.50	26.00	1.61	25.53	41.01498
03 Mar 06	28.05	24.20	24.70	25.20	25.70	26.20	1.62	25.68	41.47192
06 Mar 06	28.05	24.10	24.70	25.25	25.75	26.25	1.62	25.68	41.6705
07 Mar 06	27.60	23.55	24.00	24.50	25.00	25.50	1.62	25.03	40.51006
08 Mar 06	27.75	23.95	24.45	24.95	25.45	25.95	1.63	25.42	41.32151
09 Mar 06	27.70	23.70	24.20	24.70	25.20	25.70	1.62	25.20	40.89379
10 Mar 06	27.90	23.75	24.20	24.70	25.20	25.70	1.63	25.24	41.08227
13 Mar 06	28.45	24.15	24.80	25.15	25.55	25.95	1.63	25.68	41.81631
14 Mar 06	28.25	24.05	24.60	25.10	25.60	26.10	1.63	25.62	41.77793
15 Mar 06	28.05	24.15	24.70	25.20	25.70	26.20	1.63	25.67	41.89444
16 Mar 06	27.70	23.90	24.50	25.00	25.50	26.00	1.65	25.43	42.01271
17 Mar 06	27.95	24.00	24.60	25.00	25.50	26.00	1.67	25.51	42.67832
20 Mar 06	28.15	24.05	24.70	25.10	25.60	26.10	1.69	25.62	43.19924
21 Mar 06	28.10	24.05	24.65	25.25	25.80	26.40	1.69	25.71	43.31929
22 Mar 06	28.15	24.25	24.90	25.50	26.35	26.95	1.68	26.02	43.69683
23 Mar 06	28.20	24.20	24.85	25.45	26.30	26.90	1.67	25.98	43.50993
24 Mar 06	27.95	24.10	24.90	25.60	26.30	27.00	1.70	25.98	44.09624
27 Mar 06	27.80	24.15	24.80	25.40	25.90	26.40	1.70	25.74	43.83071
28 Mar 06	27.95	24.25	24.90	25.55	26.20	26.85	1.70	25.95	44.19253
29 Mar 06	28.20	25.50	26.15	26.80	27.45	28.10	1.70	27.03	45.96684
30 Mar 06	28.35	26.75	27.45	28.10	28.80	29.45	1.70	28.15	47.83023
31 Mar 06	28.40	26.80	27.55	28.10	28.60	29.10	1.69	28.09	47.57884
03 Apr 06	28.35	27.00	27.50	28.10	28.70	29.30	1.70	28.16	47.78494
04 Apr 06	28.85	27.00	27.70	28.40	29.10	29.80	1.70	28.48	48.43404
05 Apr 06	29.80	27.35	27.95	28.60	29.30	29.95	1.69	28.83	48.69367
06 Apr 06	30.35	27.75	28.35	28.95	29.50	30.10	1.67	29.17	48.7768
07 Apr 06	29.85	27.90	28.50	29.10	29.70	30.30	1.67	29.23	48.68947

11/26/2008	13.91	13.83	13.98	14.15	14.50	1.98	14.07	27.87666
11/27/2008	14.23	14.17	14.33	14.56	14.88	1.95	14.43	28.18368
11/28/2008	13.91	13.84	14.00	14.21	14.52	1.94	14.10	27.33538
12/1/2008	14.20	14.20	14.32	14.54	14.85	1.95	14.42	28.17951
12/2/2008	14.10	14.08	14.20	14.41	14.70	1.99	14.30	28.40645
12/3/2008	14.05	14.00	14.12	14.33	14.62	1.97	14.22	28.02061
12/4/2008	13.69	13.72	13.79	13.94	14.15	1.98	13.86	27.48632
12/5/2008	12.82	12.85	12.90	13.04	13.24	1.99	12.97	25.78635
12/8/2008	13.17	13.24	13.28	13.40	13.59	1.95	13.34	26.04779
12/9/2008	12.98	13.00	13.05	13.16	13.34	1.96	13.11	25.74274
12/10/2008	13.03	13.05	13.11	13.22	13.40	1.98	13.16	26.06246
12/11/2008	13.21	13.27	13.32	13.41	13.59	1.97	13.36	26.37058
12/12/2008	13.28	13.42	13.42	13.53	13.74	2.03	13.48	27.34092
12/15/2008	13.52	13.59	13.66	13.76	13.94	2.05	13.69	28.12438
12/16/2008		13.64	13.65	13.82	14.00	2.04	13.78	28.08552
12/17/2008		13.75	13.80	13.87	14.03	2.04	13.86	28.33737
12/18/2008		13.41	13.40	13.51	13.67	2.04	13.50	27.59635
12/19/2008		13.33	13.36	13.47	13.62	2.03	13.45	27.31493
12/22/2008		13.35	13.39	13.50	13.63	2.03	13.47	27.31278
12/23/2008		13.27	13.31	13.44	13.56	2.05	13.40	27.46137
12/24/2008		13.17	13.20	13.31	13.46	2.05	13.29	27.24465
12/29/2008		13.24	13.28	13.37	13.54	2.04	13.36	27.20089
12/30/2008		13.49	13.52	13.61	13.79	2.04	13.60	27.7831
12/31/2008		13.69	13.71	13.77	13.93	1.97	13.78	27.19853
1/2/2009		13.32	13.33	13.42	13.59	1.96	13.42	26.29443
1/5/2009		13.31	13.37	13.48	13.67	1.90	13.46	25.51877
1/6/2009		13.50	13.55	13.66	13.84	1.87	13.64	25.45224
1/7/2009		13.38	13.41	13.52	13.72	1.91	13.51	25.83554
1/8/2009		12.79	12.80	12.90	13.09	1.93	12.90	24.92895
1/9/2009		12.45	12.46	12.56	12.75	1.91	12.56	23.94998
1/12/2009		12.28	12.33	12.43	12.58	1.95	12.41	24.20214
1/13/2009		12.15	12.22	12.31	12.47	1.99	12.29	24.49901
1/14/2009		11.78	11.80	11.89	12.02	1.99	11.87	23.67891
1/15/2009		11.80	11.79	11.91	12.04	1.98	11.89	23.55541
1/16/2009		11.00	11.02	11.12	11.24	1.98	11.10	22.0153
1/19/2009		10.00	10.01	10.12	10.25	1.95	10.10	19.72658
1/20/2009		9.96	9.97	10.05	10.17	1.98	10.04	19.85598
1/21/2009		10.03	10.06	10.16	10.27	1.97	10.13	19.95108
1/22/2009		10.15	10.16	10.25	10.31	1.97	10.22	20.16323
1/23/2009		10.05	10.06	10.12	10.21	1.98	10.11	19.98258
1/26/2009		10.49	10.51	10.57	10.66	1.99	10.56	21.02093
1/27/2009		10.32	10.33	10.40	10.50	1.99	10.39	20.67665
1/28/2009		10.23	10.24	10.30	10.41	1.97	10.30	20.29406
1/29/2009		10.35	10.39	10.45	10.56	1.98	10.44	20.68559
1/30/2009		10.45	10.46	10.52	10.63	2.01	10.52	21.15209
2/2/2009		10.06	10.11	10.19	10.29	2.03	10.16	20.65389
2/3/2009		9.71	9.76	9.86	9.99	2.00	9.83	19.62384
2/4/2009		9.56	9.62	9.74	9.85	1.99	9.69	19.27417
2/5/2009		9.45	9.50	9.60	9.72	1.96	9.57	18.77218
2/6/2009		9.26	9.32	9.42	9.54	1.92	9.39	17.98804
2/9/2009		9.20	9.27	9.37	9.52	1.92	9.34	17.88707
2/10/2009		8.57	8.63	8.72	8.87	1.97	8.70	17.14974
2/11/2009		7.66	7.73	7.83	8.00	1.97	7.81	15.37947
2/12/2009		7.39	7.47	7.58	7.74	1.98	7.55	14.90384
2/13/2009		7.89	7.97	8.09	8.30	1.96	8.06	15.7673
2/16/2009		7.72	7.79	7.92	8.20	1.97	7.91	15.54997
2/17/2009		7.94	8.02	8.17	8.43	1.97	8.14	16.07298
2/18/2009		8.82	8.87	8.97	9.25	1.97	8.98	17.66495
2/19/2009		9.82	9.87	10.00	10.20	1.96	9.97	19.55915
2/20/2009		8.84	8.90	9.02	9.23	1.98	9.00	17.84921
2/23/2009		8.51	8.61	8.75	8.99	1.98	8.72	17.21885
2/24/2009		8.18	8.26	8.43	8.70	1.98	8.39	16.58321
2/25/2009		8.65	8.74	8.90	9.16	1.97	8.86	17.4752
2/26/2009		9.39	9.48	9.64	9.92	1.956589	9.6075	18.79793
2/27/2009		8.81	8.91	9.05	9.32	1.971545	9.0225	17.78827

10 Apr 06	30.00	28.35	28.65	29.25	29.75	30.35	1.66	29.39	48.78921
11 Apr 06	30.45	29.15	29.90	30.50	31.15	31.75	1.66	30.48	50.46738
12 Apr 06	30.35	29.80	30.45	31.05	31.70	32.30	1.65	30.94	51.10312
13 Apr 06	30.15	30.00	30.65	31.30	31.95	32.50	1.66	31.11	51.73968
18 Apr 06	30.30	30.15	30.80	31.45	32.10	32.75	1.66	31.26	51.87758
19 Apr 06	31.50	32.20	32.80	33.45	34.15	34.85	1.66	33.16	54.93529
20 Apr 06	31.50	32.25	32.90	33.55	34.20	34.85	1.67	33.21	55.43442
21 Apr 06	30.95	30.95	31.45	32.10	32.75	33.40	1.66	31.93	52.89724
24 Apr 06	30.75	31.00	31.70	32.40	33.10	33.80	1.67	32.13	53.49947
25 Apr 06	30.95	30.95	31.60	32.20	32.90	33.50	1.67	32.02	53.38565
26 Apr 06	28.30	29.55	30.20	30.85	31.50	32.15	1.65	30.43	50.30848
27 Apr 06	20.75	22.15	22.80	23.45	24.10	24.75	1.66	23.00	38.09062
28 Apr 06	17.30	21.45	22.15	22.80	23.45	24.10	1.66	21.88	36.3557
01 May 06	14.25	18.80	19.30	19.80	20.30	20.80	1.66	18.88	31.2855
02 May 06	13.95	18.50	19.00	19.50	20.00	20.50	1.66	18.58	30.75081
03 May 06	11.95	18.25	18.90	19.45	19.95	20.50	1.64	18.17	29.77485
04 May 06	12.85	20.00	20.55	21.05	21.55	22.05	1.65	19.68	32.37752
05 May 06	14.85	22.15	22.70	23.25	23.80	24.35	1.65	21.85	36.02406
08 May 06	13.20	20.25	20.80	21.25	21.70	22.20	1.65	19.90	32.90031
09 May 06	12.65	19.90	20.50	21.10	21.75	22.35	1.65	19.71	32.47491
10 May 06	12.75	18.65	19.05	19.70	20.30	20.90	1.65	18.56	30.61358
11 May 06	13.65	19.20	19.80	20.45	21.10	21.70	1.65	19.32	31.91975
12 May 06	13.40	19.25	19.85	20.50	21.15	21.85	1.67	19.33	32.29075
15 May 06	9.80	17.80	18.30	18.75	19.25	19.75	1.68	17.28	29.04409
16 May 06	15.75	21.45	22.20	22.70	23.20	23.70	1.67	21.50	35.99244
17 May 06	17.35	21.60	22.30	22.90	23.50	24.10	1.68	21.96	36.86625
18 May 06	16.25	21.90	22.60	23.30	24.00	24.70	1.68	22.13	37.13773
19 May 06	16.25	21.90	22.50	23.15	23.75	24.35	1.69	21.98	37.06717
22 May 06	16.95	21.90	22.55	23.25	23.90	24.55	1.71	22.18	37.90156
23 May 06	18.95	23.80	24.45	25.15	25.80	26.55	1.70	24.12	40.98196
24 May 06	20.45	24.20	24.65	25.25	25.85	26.45	1.70	24.48	41.50861
25 May 06	19.75	23.60	24.20	24.80	25.45	26.05	1.68	23.98	40.30701
26 May 06	19.85	24.00	24.65	25.30	25.95	26.60	1.68	24.39	40.93566
30 May 06	19.55	24.00	24.60	25.25	25.85	26.45	1.69	24.28	40.98305
31 May 06	18.50	23.20	23.95	24.55	25.20	25.85	1.70	23.54	40.08329
01 Jun 06	17.40	22.25	22.90	23.55	24.20	24.85	1.71	22.53	38.54489
02 Jun 06	17.00	21.30	21.95	22.60	23.25	23.90	1.72	21.67	37.22849
05 Jun 06	17.05	21.25	21.85	22.45	23.05	23.65	1.72	21.55	37.15893
06 Jun 06	16.65	20.90	21.55	22.15	22.75	23.35	1.73	21.23	36.77945
07 Jun 06	16.30	20.90	21.45	22.00	22.55	23.10	1.73	21.05	36.37297
08 Jun 06	15.60	20.05	20.70	21.30	21.90	22.50	1.71	20.34	34.71512
09 Jun 06	14.60	19.50	20.10	20.70	21.30	21.90	1.69	19.68	33.23258
12 Jun 06	14.60	19.00	19.70	20.40	21.10	21.80	1.69	19.43	32.79079
13 Jun 06	15.60	20.10	20.80	21.50	22.20	22.90	1.70	20.52	34.88036
14 Jun 06	15.50	19.85	20.60	21.30	22.00	22.70	1.71	20.33	34.76313
15 Jun 06	15.50	19.40	19.80	20.50	21.20	21.90	1.70	19.72	33.51796
16 Jun 06	15.50	19.50	20.05	20.70	21.35	22.00	1.71	19.85	33.9418
19 Jun 06	15.65	19.35	19.95	20.55	21.15	21.75	1.71	19.73	33.68528
20 Jun 06	15.90	20.00	20.70	21.50	22.20	22.90	1.71	20.53	35.01275
21 Jun 06	16.60	20.60	21.20	21.90	22.60	23.30	1.71	21.03	36.02128
22 Jun 06	16.05	19.90	20.65	21.35	22.10	22.90	1.71	20.49	35.1025
23 Jun 06	16.15	20.10	20.80	21.50	22.20	22.90	1.71	20.61	35.22994
26 Jun 06	16.05	19.80	20.55	21.30	22.10	22.90	1.72	20.45	35.15096
27 Jun 06	15.60	19.45	20.10	20.70	21.30	21.95	1.72	19.85	34.07498
28 Jun 06	15.75	19.70	20.35	21.00	21.65	22.30	1.72	20.13	34.6329
29 Jun 06	16.20	19.85	20.45	21.10	21.75	22.40	1.71	20.29	34.75763
30 Jun 06	16.55	19.65	20.30	20.95	21.60	22.25	1.72	20.22	34.79038
03 Jul 06	16.55	19.45	20.10	20.75	21.40	22.05	1.72	20.05	34.57068
04 Jul 06	16.85	19.45	20.15	20.80	21.45	22.10	1.72	20.13	34.58227
05 Jul 06	16.85	19.00	19.60	20.20	20.80	21.40	1.72	19.64	33.68554
06 Jul 06	16.65	18.75	19.45	20.05	20.70	21.35	1.71	19.49	33.3805
07 Jul 06	17.05	19.25	19.90	20.50	21.15	21.75	1.70	19.93	33.95063
10 Jul 06	16.80	19.25	19.95	20.60	21.30	21.95	1.71	19.98	34.07094
11 Jul 06	16.95	19.65	20.25	20.85	21.45	22.05	1.70	20.20	34.25637
12 Jul 06	17.10	19.90	20.55	21.20	21.85	22.50	1.69	20.52	34.64963

3/2/2009	9.17	9.27	9.41	9.68	9.1	1.987994	9.326	18.54003
3/3/2009	9.9	10	10.1	10.4	9.87	1.9616	10.054	19.72193
3/4/2009	10.51	10.59	10.75	11.05	10.71	1.945813	10.722	20.86301
3/5/2009	10.29	10.38	10.55	10.84	10.46	1.965088	10.504	20.64129
3/6/2009	9.94	10.04	10.22	10.51	10.11	1.979452	10.164	20.11915
3/9/2009	10.57	10.67	10.86	11.16	10.7	1.993619	10.792	21.51513
3/10/2009	10.97	11.09	11.28	11.58	11.08	1.970043	11.2	22.06448
3/11/2009	10.63	10.75	10.94	11.24	10.73	1.973819	10.858	21.43173
3/12/2009	10.82	10.94	11.13	11.43	10.92	1.972285	11.048	21.7898
3/13/2009	11.16	11.32	11.52	11.83	11.24	1.962486	11.414	22.39981
3/16/2009	11.42	11.61	11.81	12.11	11.44	1.962607	11.678	22.91933
3/17/2009	11.72	11.9	12.1	12.4	11.72	1.96704	11.968	23.54153
3/18/2009	11.23	11.41	11.63	11.94	11.2	1.979552	11.482	22.72921

13 Jul 06	17.05	19.85	20.55	21.20	21.90	22.55	1.68	20.52	34.51396
14 Jul 06	17.15	20.05	20.70	21.30	21.90	22.50	1.68	20.60	34.58676
17 Jul 06	17.50	20.00	20.55	21.20	21.85	22.50	1.67	20.60	34.49728
18 Jul 06	18.05	20.25	20.85	21.45	22.05	22.65	1.68	20.88	34.99595
19 Jul 06	17.70	20.10	20.70	21.30	21.90	22.50	1.68	20.70	34.76592
20 Jul 06	17.20	19.90	20.45	21.10	21.75	22.40	1.68	20.47	34.4031
21 Jul 06	17.55	19.85	20.50	21.10	21.75	22.35	1.69	20.52	34.61732
24 Jul 06	17.40	19.75	20.40	21.00	21.60	22.20	1.67	20.39	34.1028
25 Jul 06	17.30	19.50	20.10	20.70	21.30	21.90	1.67	20.13	33.63002
26 Jul 06	17.00	19.15	19.90	20.40	21.00	21.60	1.67	19.84	33.08945
27 Jul 06	17.15	18.95	19.55	20.15	20.75	21.35	1.67	19.65	32.72284
28 Jul 06	17.35	18.85	19.45	20.05	20.65	21.25	1.66	19.60	32.5693
31 Jul 06	16.90	18.25	18.85	19.45	20.05	20.65	1.67	19.03	31.69252
01 Aug 06	16.85	18.65	19.25	19.85	20.45	21.05	1.67	19.35	32.40864
02 Aug 06	17.05	18.70	19.30	19.90	20.50	21.10	1.67	19.43	32.5156
03 Aug 06	17.15	18.50	19.05	19.65	20.25	20.80	1.68	19.23	32.3478
04 Aug 06	16.60	17.75	18.30	18.80	19.35	19.85	1.68	18.44	31.01098
07 Aug 06	15.90	17.00	17.55	18.15	18.70	19.30	1.68	17.77	29.87737
08 Aug 06	16.45	17.70	18.25	18.85	19.40	20.00	1.69	18.44	31.10927
09 Aug 06	16.55	17.85	18.45	19.05	19.65	20.25	1.68	18.63	31.27257
10 Aug 06	16.50	17.95	18.55	19.10	19.70	20.25	1.67	18.68	31.14331
11 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.66	18.55	30.81162
14 Aug 06	16.50	17.75	18.30	18.85	19.40	19.95	1.68	18.46	30.92382
15 Aug 06	16.25	17.65	18.20	18.75	19.30	19.85	1.67	18.33	30.63376
16 Aug 06	16.25	17.55	18.15	18.75	19.35	19.95	1.67	18.33	30.64298
17 Aug 06	16.40	17.70	18.35	18.95	19.60	20.20	1.69	18.53	31.23175
18 Aug 06	16.45	17.65	18.20	18.75	19.30	19.85	1.69	18.37	31.04436
21 Aug 06	16.55	17.75	18.40	19.05	19.70	20.35	1.69	18.63	31.46311
22 Aug 06	17.35	18.10	18.70	19.35	19.95	20.55	1.68	19.00	31.91716
23 Aug 06	17.60	18.15	18.80	19.40	20.00	20.60	1.68	19.09	32.01667
24 Aug 06	17.40	17.40	18.90	19.50	20.10	20.70	1.68	19.00	31.84233
25 Aug 06	16.90	17.80	18.50	19.10	19.70	20.30	1.69	18.72	31.55453
28 Aug 06	17.00	18.05	18.65	19.25	19.85	20.45	1.68	18.88	31.78045
29 Aug 06	16.90	17.95	18.55	19.15	19.75	20.35	1.68	18.78	31.52045
30 Aug 06	16.60	17.80	18.45	19.10	19.70	20.35	1.68	18.67	31.35384
31 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.68	18.55	31.13614
01 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.17209
04 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.0979
05 Sep 06	16.90	18.15	18.75	19.35	19.95	20.55	1.66	18.94	31.44657
06 Sep 06	17.10	18.20	18.80	19.40	20.00	20.60	1.67	19.02	31.78743
07 Sep 06	17.15	18.25	18.80	19.35	19.90	20.45	1.68	18.98	31.85529
08 Sep 06	17.05	18.20	18.70	19.25	19.80	20.35	1.68	18.89	31.72574
11 Sep 06	16.95	18.20	18.75	19.30	19.85	20.45	1.69	18.92	32.00566
12 Sep 06	16.80	17.90	18.50	19.05	19.65	20.20	1.69	18.68	31.58888
13 Sep 06	16.90	18.00	18.60	19.15	19.75	20.30	1.69	18.78	31.65998
14 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.69	18.68	31.47244
15 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.68	18.68	31.42123
18 Sep 06	16.75	17.85	18.40	18.95	19.45	20.00	1.68	18.57	31.21917
19 Sep 06	16.75	17.85	18.45	19.05	19.65	20.30	1.68	18.68	31.45145
20 Sep 06	16.25	17.50	18.05	18.65	19.25	19.80	1.68	18.25	30.74952
21 Sep 06	14.70	16.50	17.10	17.70	18.30	18.90	1.69	17.20	29.04786
22 Sep 06	14.00	16.10	16.70	17.30	17.85	18.45	1.70	16.73	28.50572
25 Sep 06	13.85	16.15	16.70	17.25	17.85	18.40	1.69	16.70	28.26652
26 Sep 06	13.25	16.00	16.55	17.10	17.65	18.20	1.69	16.46	27.80008
27 Sep 06	12.35	15.20	15.75	16.30	16.85	17.40	1.69	15.64	26.45925
28 Sep 06	12.45	15.45	16.00	16.55	17.10	17.65	1.70	15.87	26.91497
29 Sep 06	12.90	15.70	16.25	16.80	17.35	17.90	1.70	16.15	27.46697
02 Oct 06	13.30	16.15	16.70	17.25	17.80	18.35	1.70	16.59	28.24273
03 Oct 06	12.50	15.40	15.95	16.50	17.00	17.55	1.71	15.82	27.10182
04 Oct 06	12.30	15.60	16.10	16.65	17.15	17.70	1.70	15.92	27.11794
05 Oct 06	12.30	15.90	16.45	17.00	17.55	18.10	1.70	16.22	27.56764
06 Oct 06	12.45	16.40	16.95	17.50	18.05	18.60	1.70	16.66	28.24003
09 Oct 06	12.40	16.35	16.90	17.45	18.00	18.55	1.69	16.61	28.1128
10 Oct 06	12.65	16.40	16.95	17.50	18.05	18.60	1.68	16.69	28.09764
11 Oct 06	12.75	16.00	16.55	17.10	17.65	18.20	1.69	16.38	27.60469

12 Oct 06	12.75	15.80	16.35	16.90	17.45	18.00	1.67	16.21	27.08625
13 Oct 06	12.65	15.10	15.65	16.20	16.75	17.30	1.67	15.61	25.99701
16 Oct 06	12.75	15.10	15.65	16.20	16.75	17.55	1.66	15.67	26.02425
17 Oct 06	12.80	15.05	15.65	16.25	16.85	17.45	1.66	15.68	26.06867
18 Oct 06	13.00	15.85	15.85	16.40	17.00	17.55	1.66	15.94	26.46989
19 Oct 06	13.15	15.95	15.95	16.50	17.05	17.60	1.66	16.03	26.64138
20 Oct 06	13.05	15.65	16.15	16.65	17.25	17.85	1.66	16.10	26.76345
23 Oct 06	13.05	16.00	16.55	17.10	17.65	18.20	1.66	16.43	27.22751
24 Oct 06	12.75	16.30	16.85	17.40	17.95	18.50	1.66	16.63	27.5428
25 Oct 06	12.80	16.30	16.90	17.45	17.95	18.50	1.66	16.65	27.57503
26 Oct 06	12.35	16.25	16.25	16.75	17.25	17.75	1.66	16.10	26.72362
27 Oct 06	12.40	15.90	16.45	16.95	17.45	17.95	1.66	16.18	26.81082
30 Oct 06	12.15	15.75	16.35	16.85	17.40	17.90	1.65	16.07	26.55414
31 Oct 06	11.05	15.20	15.80	16.40	16.95	17.55	1.65	15.49	25.53236
01 Nov 06	11.25	15.45	16.00	16.55	17.10	17.65	1.65	15.67	25.78231
02 Nov 06	11.25	15.75	16.30	16.85	17.40	17.95	1.65	15.92	26.24293
03 Nov 06	10.95	15.65	16.25	16.80	17.35	17.90	1.65	15.82	26.11289
06 Nov 06	10.80	15.85	16.40	16.95	17.50	18.05	1.65	15.93	26.2615
07 Nov 06	10.55	16.00	16.55	17.10	17.65	18.20	1.65	16.01	26.42903
08 Nov 06	9.65	15.65	16.20	16.75	17.30	17.85	1.66	15.57	25.78851
09 Nov 06	9.70	15.80	16.35	16.85	17.40	17.90	1.67	15.67	26.13898
10 Nov 06	9.70	16.10	16.65	17.20	17.70	18.25	1.67	15.93	26.67852
13 Nov 06	8.95	15.75	16.25	16.80	17.30	17.85	1.68	15.48	25.99499
14 Nov 06	8.70	15.85	16.35	16.90	17.40	17.95	1.68	15.53	26.01054
15 Nov 06	9.40	15.80	16.00	16.55	17.10	17.65	1.68	15.42	25.82704
16 Nov 06	9.25	16.00	16.50	17.00	17.55	18.05	1.67	15.73	26.21302
17 Nov 06	8.90	16.00	16.55	17.10	17.65	18.20	1.67	15.73	26.23008
20 Nov 06	8.75	16.20	16.75	17.25	17.80	18.30	1.66	15.84	26.33001
21 Nov 06	9.00	17.10	17.65	18.20	18.75	19.30	1.66	16.67	27.73616
22 Nov 06	9.10	17.45	18.00	18.55	19.10	19.65	1.67	16.98	28.29265
23 Nov 06	8.90	17.30	17.85	18.40	18.95	19.50	1.67	16.82	28.0919
24 Nov 06	9.00	17.40	17.95	18.50	19.05	19.60	1.68	16.92	28.43875
27 Nov 06	9.20	18.40	18.95	19.50	20.05	20.60	1.69	17.78	29.99068
28 Nov 06	9.20	19.00	19.55	20.05	20.60	21.10	1.68	18.25	30.68431
29 Nov 06	8.90	17.85	18.40	18.95	19.50	20.05	1.68	17.28	28.99142
30 Nov 06	8.40	18.45	19.00	19.55	20.10	20.65	1.68	17.69	29.71115
01 Dec 06	8.20	18.25	18.80	19.35	19.90	20.45	1.69	17.49	29.50533
04 Dec 06	7.65	19.65	20.20	20.75	21.30	21.85	1.69	18.57	31.32966
05 Dec 06	7.25	19.30	19.85	20.35	20.90	21.45	1.69	18.18	30.80268
06 Dec 06	6.85	18.75	19.30	19.85	20.40	20.95	1.69	17.68	29.8835
07 Dec 06	7.10	18.75	19.35	19.90	20.45	21.00	1.68	17.76	29.87239
08 Dec 06	7.55	18.25	18.80	19.35	19.90	20.45	1.68	17.38	29.22228
11 Dec 06	7.30	18.70	19.25	19.80	20.35	20.90	1.69	17.72	29.88817
12 Dec 06	7.10	18.25	18.75	19.30	19.85	20.40	1.69	17.28	29.16791
13 Dec 06	6.85	17.45	18.00	18.60	19.15	19.70	1.68	16.63	27.94211
14 Dec 06	6.60	17.00	17.60	18.15	18.65	19.20	1.68	16.20	27.20997
15 Dec 06	6.60	17.00	17.55	18.15	18.65	19.20	1.67	16.19	27.08416
18 Dec 06	6.60	17.10	17.65	18.25	18.80	19.35	1.68	16.29	27.32771
19 Dec 06	6.70	17.30	17.80	18.35	18.90	19.45	1.68	16.42	27.62967
20 Dec 06	6.65	17.10	17.65	18.20	18.75	19.30	1.68	16.28	27.27581
21 Dec 06	6.60	17.10	17.60	18.15	18.70	19.25	1.68	16.23	27.255
22 Dec 06	6.80	17.40	17.95	18.45	19.00	19.55	1.68	16.53	27.69612
26 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25468
27 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25637
28 Dec 06	6.70	18.25	18.75	19.30	19.85	20.40	1.67	17.21	28.69645
29 Dec 06	6.70	18.20	18.70	19.25	19.80	20.35	1.67	17.17	28.7106
02 Jan 07	5.60	17.50	18.05	18.65	19.20	19.80	1.67	16.47	27.47525
03 Jan 07	4.85	16.55	17.10	17.55	18.10	18.60	1.66	15.46	25.70415
04 Jan 07	4.85	16.55	17.10	17.70	18.25	18.85	1.67	15.55	25.90932
05 Jan 07	4.80	15.80	16.40	16.95	17.50	18.05	1.67	14.92	24.90459
08 Jan 07	3.95	14.50	15.05	15.60	16.15	16.70	1.67	13.66	22.79225
09 Jan 07	3.50	14.70	15.30	15.85	16.40	16.95	1.67	13.78	22.95828
10 Jan 07	3.85	14.85	15.50	16.05	16.60	17.15	1.66	14.00	23.29748
11 Jan 07	4.00	15.25	15.80	16.35	16.90	17.45	1.65	14.29	23.57868
12 Jan 07	4.05	15.55	16.15	16.75	17.35	17.95	1.65	14.63	24.11584

15 Jan 07	4.05	16.15	16.75	17.30	17.90	18.45	1.65	15.10	24.90246
16 Jan 07	4.25	16.40	16.95	17.50	18.05	18.60	1.65	15.29	25.23357
17 Jan 07	4.10	15.65	16.20	16.75	17.30	17.85	1.65	14.64	24.09465
18 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.22983
19 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.2197
22 Jan 07	3.90	15.65	16.20	16.75	17.30	17.85	1.64	14.61	23.99319
23 Jan 07	3.80	15.65	16.20	16.75	17.30	17.85	1.64	14.59	23.97928
24 Jan 07	3.45	15.25	15.80	16.35	16.90	17.45	1.66	14.20	23.55028
25 Jan 07	3.30	15.35	15.90	16.45	17.05	17.60	1.67	14.28	23.84923
26 Jan 07	3.05	15.55	16.10	16.65	17.25	17.85	1.67	14.41	24.05445
29 Jan 07	2.50	15.50	16.05	16.65	17.25	17.80	1.68	14.29	23.99447
30 Jan 07	2.45	15.35	15.90	16.50	17.05	17.65	1.68	14.15	23.73552
31 Jan 07	2.35	15.30	15.85	16.45	17.00	17.55	1.68	14.08	23.64266
01 Feb 07	2.25	15.35	15.95	16.50	17.05	17.65	1.68	14.13	23.75307
02 Feb 07	2.00	14.75	15.30	15.85	16.40	16.95	1.67	13.54	22.65233
05 Feb 07	1.80	14.95	15.50	16.05	16.60	17.15	1.66	13.68	22.76397
06 Feb 07	1.50	14.85	15.40	15.95	16.50	17.05	1.67	13.54	22.61091
07 Feb 07	1.35	14.45	15.00	15.55	16.10	16.65	1.67	13.18	22.04637
08 Feb 07	1.50	13.80	14.35	14.90	15.45	16.00	1.67	12.67	21.12249
09 Feb 07	1.65	14.10	14.65	15.20	15.75	16.30	1.67	12.94	21.65748
12 Feb 07	1.30	14.20	14.75	15.30	15.85	16.40	1.68	12.97	21.75431
13 Feb 07	1.25	13.70	14.25	14.80	15.35	15.90	1.67	12.54	20.98943
14 Feb 07	1.20	13.60	14.15	14.70	15.25	15.80	1.67	12.45	20.84839
15 Feb 07	1.15	13.65	14.20	14.75	15.30	15.85	1.67	12.48	20.90178
16 Feb 07	1.15	13.70	14.25	14.80	15.35	15.90	1.67	12.53	20.90707
19 Feb 07	0.80	12.75	13.30	13.85	14.40	14.95	1.67	11.68	19.51137
20 Feb 07	0.90	12.25	12.80	13.30	13.80	14.35	1.67	11.23	18.78479
21 Feb 07	0.95	12.90	13.45	14.00	14.55	15.10	1.66	11.83	19.63965
22 Feb 07	0.90	13.05	13.60	14.15	14.70	15.25	1.66	11.94	19.86368
23 Feb 07	0.95	14.05	15.05	15.60	16.15	16.70	1.66	13.08	21.75623
26 Feb 07	1.00	15.30	15.85	16.40	16.95	17.50	1.66	13.83	22.98063
27 Feb 07	1.00	15.00	15.60	16.15	16.70	17.30	1.67	13.63	22.77724
28 Feb 07	0.95	14.90	15.45	16.00	16.55	17.10	1.68	13.49	22.63226
01 Mar 07	1.00	15.25	15.75	16.30	16.80	17.35	1.68	13.74	23.06199
02 Mar 07	1.10	14.85	15.40	15.95	16.50	17.05	1.69	13.48	22.71238
05 Mar 07	1.00	13.65	14.20	14.75	15.30	15.85	1.70	12.46	21.16049
06 Mar 07	1.05	13.75	14.30	14.80	15.30	15.85	1.69	12.51	21.18086
07 Mar 07	1.15	14.25	14.80	15.35	15.90	16.45	1.69	12.98	21.95731
08 Mar 07	1.15	14.75	15.30	15.80	16.40	16.95	1.69	13.39	22.60398
09 Mar 07	1.35	14.80	15.35	15.85	16.40	16.95	1.68	13.45	22.60002
12 Mar 07	1.35	15.10	15.65	16.20	16.75	17.30	1.68	13.73	23.04817
13 Mar 07	1.25	15.00	15.60	16.20	16.80	17.40	1.68	13.71	23.07543
14 Mar 07	1.25	15.00	15.60	16.15	16.75	17.35	1.68	13.68	23.05327
15 Mar 07	1.25	15.50	16.05	16.60	17.25	17.80	1.68	14.08	23.58853
16 Mar 07	1.20	15.45	16.00	16.55	17.10	17.65	1.67	13.99	23.38837
19 Mar 07	1.05	15.60	16.15	16.70	17.25	17.80	1.66	14.09	23.45152
20 Mar 07	1.05	16.50	17.05	17.60	18.15	18.70	1.66	14.84	24.59009
21 Mar 07	1.05	16.45	17.00	17.55	18.10	18.65	1.66	14.80	24.5198
22 Mar 07	1.00	16.45	17.00	17.50	18.05	18.60	1.65	14.77	24.40108
23 Mar 07	1.00	16.35	16.90	17.40	17.95	18.50	1.65	14.68	24.21753
26 Mar 07	1.00	17.25	17.80	18.35	18.90	19.45	1.65	15.46	25.43926
27 Mar 07	1.04	16.95	17.50	18.05	18.60	19.15	1.65	15.22	25.1223
28 Mar 07	1.20	17.34	17.86	18.39	18.91	19.44	1.65	15.52	25.66836
29 Mar 07	1.36	17.49	18.02	18.56	19.09	19.62	1.65	15.69	25.9364
30 Mar 07	1.31	17.48	18.03	18.58	19.13	19.68	1.65	15.70	25.91346
02 Apr 07	1.03	16.83	17.37	17.92	18.45	18.98	1.64	15.10	24.70646
03 Apr 07	0.90	15.89	16.45	17.00	17.55	18.00	1.64	14.30	23.45002
04 Apr 07	0.85	16.13	16.67	17.22	17.77	18.31	1.63	14.49	23.6464
05 Apr 07	0.83	16.58	17.13	17.68	18.23	18.78	1.64	14.87	24.35228
09 Apr 07	0.83	16.04	16.59	17.14	17.69	18.24	1.63	14.42	23.57839
10 Apr 07	0.83	16.65	17.20	17.70	18.30	18.85	1.63	14.92	24.25554
11 Apr 07	0.80	17.03	17.58	18.13	18.68	19.23	1.63	15.24	24.8194
12 Apr 07	0.80	17.45	17.98	18.53	19.08	19.63	1.63	15.58	25.33526
13 Apr 07	0.76	17.83	18.35	18.88	19.40	19.93	1.62	15.86	25.75274
16 Apr 07	0.72	17.82	18.37	18.92	19.47	20.02	1.63	15.89	25.83326

17 Apr 07	0.68	17.80	18.34	18.88	19.42	19.96	1.62	15.85	25.69997
18 Apr 07	0.56	17.50	18.03	18.58	19.13	19.68	1.62	15.58	25.28852
19 Apr 07	0.51	17.14	17.69	18.24	18.79	19.34	1.63	15.29	24.90997
20 Apr 07	0.63	17.45	17.95	18.50	19.03	19.55	1.62	15.52	25.18602
23 Apr 07	0.68	18.00	18.54	19.07	19.61	20.14	1.63	16.01	26.09704
24 Apr 07	0.68	18.04	18.56	19.08	19.60	20.12	1.65	16.01	26.41472
25 Apr 07	0.64	18.22	18.74	19.26	19.78	20.30	1.64	16.16	26.42358
26 Apr 07	0.54	18.08	18.60	19.13	19.65	20.18	1.65	16.03	26.38519
27 Apr 07	0.53	18.15	18.69	19.22	19.76	20.29	1.64	16.11	26.46763
30 Apr 07	0.53	19.01	19.54	20.07	20.60	21.13	1.64	16.81	27.62148
01 May 07	0.58	19.35	19.87	20.40	20.93	21.46	1.64	17.10	28.09598
02 May 07	0.56	18.98	19.43	19.90	20.46	20.96	1.65	16.72	27.53119
03 May 07	0.54	19.10	19.40	19.85	20.30	20.75	1.64	16.66	27.38741
04 May 07	0.54	19.31	19.60	20.05	20.50	20.95	1.65	16.83	27.839
07 May 07	0.53	19.78	20.10	20.50	20.90	21.30	1.65	17.19	28.32292
08 May 07	0.47	19.84	20.00	20.43	20.88	21.33	1.63	17.16	28.04816
09 May 07	0.40	19.62	19.95	20.42	20.90	21.37	1.63	17.11	27.9444
10 May 07	0.30	19.35	19.68	20.12	20.55	20.98	1.63	16.83	27.40397
11 May 07	0.32	19.90	20.23	20.60	20.95	21.30	1.63	17.22	28.00337
14 May 07	0.33	20.39	20.74	21.17	21.59	22.02	1.63	17.71	28.81306
15 May 07	0.29	20.60	20.93	21.43	21.93	22.43	1.63	17.94	29.2458
16 May 07	0.33	20.84	21.17	21.67	22.17	22.67	1.64	18.14	29.76581
17 May 07	0.30	21.43	21.77	22.18	22.70	23.15	1.64	18.59	30.44759
18 May 07	0.28	21.75	22.10	22.60	23.11	23.61	1.64	18.91	30.99948
21 May 07	0.30	22.01	22.34	22.80	23.25	23.70	1.64	19.07	31.24529
22 May 07	0.29	21.75	22.13	22.50	22.95	23.40	1.64	18.84	30.92028
23 May 07	0.29	22.12	22.43	22.87	23.30	23.73	1.63	19.12	31.24107
24 May 07	0.29	23.25	23.57	24.07	24.57	25.07	1.64	20.14	33.03074
25 May 07	0.29	24.08	24.38	24.85	25.33	25.80	1.64	20.79	34.15802
28 May 07	0.30	24.15	24.45	24.92	25.40	25.87	1.64	20.85	34.22042
29 May 07	0.27	25.15	25.45	26.02	26.43	26.90	1.64	21.70	35.65849
30 May 07	0.27	22.97	23.30	23.80	24.30	24.80	1.63	19.91	32.49604
31 May 07	0.29	23.00	23.38	23.85	24.35	23.80	1.62	19.78	32.12908
01 Jun 07	0.29	23.88	24.22	24.67	25.12	25.57	1.62	20.63	33.30987
04 Jun 07	0.29	24.61	24.92	25.37	25.80	26.10	1.62	21.18	34.24427
05 Jun 07	0.28	23.36	23.55	23.90	24.40	24.90	1.61	20.07	32.38773
06 Jun 07	0.29	23.35	23.63	24.03	24.45	24.80	1.61	20.09	32.28532
07 Jun 07	0.27	22.77	23.04	23.45	23.80	24.10	1.60	19.57	31.23245
08 Jun 07	0.27	23.03	23.32	23.73	24.15	24.57	1.58	19.85	31.42624
11 Jun 07	0.25	22.78	23.08	23.45	23.75	24.05	1.58	19.56	30.94313
12 Jun 07	0.24	22.70	23.00	23.40	23.85	24.30	1.58	19.58	30.96525
13 Jun 07	0.22	23.65	23.95	24.40	24.85	25.30	1.58	20.40	32.31789
14 Jun 07	0.19	23.65	23.95	24.40	24.85	25.30	1.59	20.39	32.4554
15 Jun 07	0.17	22.78	23.13	23.53	23.95	24.40	1.59	19.66	31.23534
18 Jun 07	0.14	21.90	22.10	22.48	22.85	23.23	1.59	18.78	29.86042
19 Jun 07	0.14	21.19	21.40	21.80	22.25	22.70	1.59	18.25	28.94531
20 Jun 07	0.13	21.84	22.07	22.52	22.97	23.42	1.59	18.83	29.89426
21 Jun 07	0.12	21.62	21.91	22.36	22.81	23.26	1.58	18.68	29.5228
22 Jun 07	0.12	21.89	22.13	22.57	23.00	23.43	1.59	18.86	29.99642
25 Jun 07	0.11	21.18	21.48	21.88	22.31	22.73	1.59	18.28	29.08463
26 Jun 07	0.13	21.07	21.37	21.84	22.17	22.57	1.59	18.19	28.93351
27 Jun 07	0.13	21.43	21.73	22.11	22.48	22.86	1.61	18.46	29.6323
28 Jun 07	0.14	22.36	22.67	22.99	23.31	23.61	1.59	19.18	30.45575
29 Jun 07	0.13	22.29	22.61	23.01	23.41	23.81	1.60	19.21	30.66152
02 Jul 07	0.14	21.70	22.02	22.40	22.82	23.22	1.59	18.72	29.68553
03 Jul 07	0.13	21.16	21.49	21.89	22.29	22.71	1.59	18.28	29.11019
04 Jul 07	0.13	21.05	21.38	21.76	22.25	22.70	1.59	18.21	28.89982
05 Jul 07	0.14	21.48	21.80	22.13	22.55	22.98	1.59	18.51	29.39526
06 Jul 07	0.15	21.80	22.15	22.53	23.00	23.43	1.59	18.84	29.91936
09 Jul 07	0.14	21.12	21.45	21.74	22.16	22.58	1.58	18.20	28.82585
10 Jul 07	0.14	21.00	21.33	21.70	22.07	22.44	1.59	18.11	28.86603
11 Jul 07	0.14	20.67	21.00	21.40	21.75	22.04	1.59	17.83	28.44288
12 Jul 07	0.13	19.79	20.13	20.50	20.88	21.28	1.59	17.12	27.2581
13 Jul 07	0.13	19.89	20.21	20.63	21.02	21.40	1.59	17.21	27.28581
16 Jul 07	0.13	18.88	19.23	19.60	19.97	20.33	1.58	16.36	25.85294

17 Jul 07	0.14	19.25	19.58	19.93	20.28	20.63	1.58	16.64	26.27426
18 Jul 07	0.13	18.91	19.28	19.65	20.05	20.46	1.57	16.41	25.80774
19 Jul 07	0.12	19.35	19.72	20.10	20.50	20.85	1.57	16.77	26.30958
20 Jul 07	0.13	19.58	19.96	20.34	20.73	21.13	1.57	16.98	26.67855
23 Jul 07	0.12	19.25	19.62	20.00	20.34	20.72	1.56	16.68	26.05515
24 Jul 07	0.12	19.30	19.69	20.09	20.46	20.84	1.57	16.75	26.24944
25 Jul 07	0.12	19.98	20.38	20.75	21.13	21.50	1.55	17.31	26.87368
26 Jul 07	0.12	20.07	20.48	20.84	21.26	21.59	1.58	17.39	27.42546
27 Jul 07	0.12	20.30	20.68	21.00	21.42	21.79	1.60	17.55	28.08664
30 Jul 07	0.11	20.85	21.24	21.63	22.02	22.41	1.60	18.04	28.90214
31 Jul 07	0.12	21.15	21.54	21.92	22.30	22.68	1.61	18.29	29.39249
01 Aug 07	0.11	20.46	20.90	21.26	21.65	22.07	1.60	17.74	28.4428
02 Aug 07	0.09	20.70	21.11	21.48	21.88	22.30	1.60	17.93	28.62104
03 Aug 07	0.09	20.39	20.81	21.21	21.59	22.02	1.61	17.69	28.50051
06 Aug 07	0.09	19.60	20.02	20.42	20.82	21.23	1.61	17.03	27.35048
07 Aug 07	0.09	20.05	20.44	20.84	21.24	21.64	1.61	17.38	27.90389
08 Aug 07	0.10	19.91	20.32	20.74	21.14	21.55	1.60	17.29	27.6765
09 Aug 07	0.10	19.65	20.08	20.48	20.89	21.30	1.61	17.08	27.48092
10 Aug 07	0.10	19.06	19.49	19.87	20.27	20.68	1.62	16.58	26.8795
13 Aug 07	0.10	19.60	20.00	20.37	20.78	21.20	1.62	17.01	27.46914
14 Aug 07	0.11	19.40	19.86	20.29	20.69	21.15	1.62	16.92	27.43453
15 Aug 07	0.11	19.65	20.13	20.58	21.01	21.50	1.64	17.16	28.11958
16 Aug 07	0.11	19.29	19.77	20.24	20.73	21.24	1.70	16.90	28.64707
17 Aug 07	0.11	19.40	19.90	20.37	20.85	21.36	1.69	17.00	28.73782
20 Aug 07	0.11	19.20	19.77	20.24	20.74	21.25	1.67	16.89	28.21618
21 Aug 07	0.11	19.18	19.81	20.42	21.01	21.60	1.68	17.02	28.60451
22 Aug 07	0.11	18.63	19.30	19.94	20.59	21.23	1.68	16.63	27.92238
23 Aug 07	0.11	18.81	19.49	20.17	20.90	21.62	1.65	16.85	27.86721
24 Aug 07	0.11	18.63	19.30	19.99	20.71	21.44	1.65	16.70	27.60736
27 Aug 07	0.11	18.40	19.05	19.75	20.45	21.20	1.65	16.49	27.14256
28 Aug 07	0.11	19.38	20.00	20.66	21.32	21.97	1.67	17.24	28.7443
29 Aug 07	0.10	19.93	20.53	21.02	21.67	22.39	1.66	17.61	29.2995
30 Aug 07	0.11	19.40	19.99	20.59	21.16	21.75	1.67	17.17	28.7096
31 Aug 07	0.10	19.40	19.98	20.59	21.19	21.78	1.66	17.17	28.584
03 Sep 07	0.10	19.77	20.37	20.97	21.57	22.17	1.66	17.49	29.0313
04 Sep 07	0.10	20.91	21.50	22.09	22.68	23.27	1.65	18.43	30.41615
05 Sep 07	0.10	20.25	20.85	21.45	22.05	22.65	1.66	17.89	29.6761
06 Sep 07	0.10	20.53	21.13	21.73	22.33	22.93	1.65	18.13	29.91174
07 Sep 07	0.10	20.47	21.07	21.67	22.27	22.87	1.66	18.08	30.08272
10 Sep 07	0.09	20.31	20.91	21.51	22.11	22.71	1.67	17.94	29.99247
11 Sep 07	0.08	20.76	21.37	21.97	22.57	23.17	1.66	18.32	30.36612
12 Sep 07	0.09	21.10	21.70	22.30	22.90	23.50	1.65	18.60	30.67734
13 Sep 07	0.07	20.53	21.14	21.73	22.35	22.92	1.65	18.12	29.91644
14 Sep 07	0.07	20.70	21.29	21.87	22.46	23.05	1.65	18.24	30.03409
17 Sep 07	0.07	20.54	21.10	21.67	22.23	22.80	1.67	18.07	30.10479
18 Sep 07	0.06	20.80	21.30	21.80	22.35	22.90	1.64	18.20	29.87004
19 Sep 07	0.08	21.28	21.76	22.26	22.75	23.30	1.63	18.57	30.28864
20 Sep 07	0.08	21.77	22.22	22.67	23.12	23.57	1.63	18.91	30.854
21 Sep 07	0.08	21.75	22.20	22.75	23.25	23.75	1.63	18.96	30.88679
24 Sep 07	0.08	21.75	22.24	22.73	23.22	23.71	1.62	18.96	30.75356
25 Sep 07	0.08	21.39	21.86	22.34	22.83	23.32	1.62	18.64	30.18538
26 Sep 07	0.08	21.30	21.77	22.23	22.70	23.17	1.61	18.54	29.90787
27 Sep 07	0.08	21.60	22.06	22.54	23.00	23.47	1.61	18.79	30.18671
28 Sep 07	0.08	21.68	22.13	22.58	23.04	23.63	1.61	18.86	30.28556
01 Oct 07	0.07	21.60	22.10	22.58	23.06	23.60	1.59	18.84	29.98107
02 Oct 07	0.08	21.70	22.20	22.72	23.20	23.85	1.60	18.96	30.32972
03 Oct 07	0.07	21.38	21.91	22.46	22.98	23.60	1.60	18.73	29.92609
04 Oct 07	0.07	21.56	22.14	22.71	23.25	24.01	1.59	18.96	30.18307
05 Oct 07	0.11	21.52	22.11	22.70	23.30	24.07	1.57	18.97	29.86136
08 Oct 07	0.07	21.67	22.21	22.78	23.34	23.97	1.57	19.01	29.90683
09 Oct 07	0.07	21.65	22.23	22.83	23.45	24.10	1.57	19.06	29.87685
10 Oct 07	0.07	22.18	22.77	23.39	24.02	24.67	1.58	19.52	30.75463
11 Oct 07	0.07	22.36	22.92	23.53	24.16	24.80	1.58	19.64	30.95153
12 Oct 07	0.07	22.35	22.93	23.54	24.17	24.82	1.57	19.65	30.81702
15 Oct 07	0.07	22.60	23.18	23.70	24.32	24.95	1.58	19.80	31.31627

16 Oct 07	0.07	22.82	23.38	23.95	24.52	25.13	1.60	19.98	31.92515
17 Oct 07	0.07	23.00	23.52	24.10	24.68	25.46	1.60	20.14	32.12371
18 Oct 07	0.07	22.83	23.40	23.97	24.55	25.20	1.60	20.00	31.9165
19 Oct 07	0.07	22.62	23.16	23.72	24.29	24.92	1.60	19.80	31.73678
22 Oct 07	0.07	22.16	22.71	23.27	23.84	24.43	1.60	19.41	31.10248
23 Oct 07	0.07	22.34	22.89	23.45	24.01	24.61	1.59	19.56	31.06344
24 Oct 07	0.07	22.55	23.09	23.66	24.23	24.83	1.58	19.74	31.21732
25 Oct 07	0.07	22.78	23.32	23.97	24.52	25.17	1.58	19.97	31.4949
26 Oct 07	0.07	22.72	23.31	23.88	24.44	25.00	1.57	19.90	31.19099
29 Oct 07	0.07	22.88	23.48	24.02	24.60	25.20	1.57	20.04	31.39359
30 Oct 07	0.07	22.17	22.76	23.29	23.87	24.46	1.57	19.44	30.47857
31 Oct 07	0.09	22.27	22.81	23.39	23.99	24.59	1.55	19.52	30.33085
01 Nov 07	0.08	21.70	22.26	22.83	23.41	23.98	1.57	19.04	29.98741
02 Nov 07	0.08	21.50	22.05	22.66	23.20	23.76	1.57	18.88	29.7235
05 Nov 07	0.07	21.50	22.05	22.61	23.17	23.74	1.57	18.86	29.65774
06 Nov 07	0.07	21.52	22.02	22.57	23.14	23.70	1.57	18.84	29.60364
07 Nov 07	0.10	21.62	22.17	22.72	23.27	23.83	1.57	18.95	29.82651
08 Nov 07	0.11	21.65	22.18	22.73	23.28	23.84	1.59	18.97	30.09927
09 Nov 07	0.10	21.85	22.38	22.92	23.47	24.02	1.60	19.12	30.662
12 Nov 07	0.10	21.91	22.44	22.99	23.56	24.15	1.65	19.19	31.60596
13 Nov 07	0.10	22.30	22.86	23.41	23.97	24.65	1.64	19.55	32.03947
14 Nov 07	0.09	22.97	23.51	24.11	24.71	25.41	1.63	20.13	32.83444
15 Nov 07	0.09	22.60	23.14	23.73	24.35	25.07	1.65	19.83	32.63054
16 Nov 07	0.08	22.54	23.09	23.69	24.32	25.04	1.64	19.79	32.54896
19 Nov 07	0.08	22.85	23.37	23.94	24.55	25.29	1.66	20.01	33.19107
20 Nov 07	0.07	23.74	24.29	24.91	25.53	26.34	1.68	20.81	34.8696
21 Nov 07	0.07	23.72	24.23	24.83	25.45	26.16	1.70	20.74	35.28591
22 Nov 07	0.08	23.70	24.21	24.81	25.41	26.18	1.70	20.73	35.34644
23 Nov 07	0.08	23.69	24.21	24.81	25.41	26.20	1.69	20.73	35.12168
26 Nov 07	0.07	23.80	24.31	24.91	25.54	26.35	1.70	20.83	35.4071
27 Nov 07	0.07	23.53	24.02	24.62	25.24	26.03	1.70	20.59	34.93923
28 Nov 07	0.07	23.29	23.81	24.41	25.01	25.82	1.67	20.40	34.0131
29 Nov 07	0.04	22.70	23.23	23.82	24.43	25.23	1.68	19.91	33.36222
30 Nov 07	0.01	22.35	22.88	23.46	24.09	24.89	1.66	19.61	32.58973
03 Dec 07	0.03	22.98	23.49	24.07	24.71	25.53	1.66	20.14	33.50572
04 Dec 07	0.03	23.40	23.94	24.55	25.18	25.99	1.69	20.52	34.64022
05 Dec 07	0.03	22.81	23.35	23.96	24.58	25.39	1.68	20.02	33.64083
06 Dec 07	0.03	22.77	23.31	23.92	24.52	25.32	1.67	19.98	33.42526
07 Dec 07	0.03	22.30	22.85	23.46	24.02	24.82	1.67	19.58	32.67786
10 Dec 07	0.03	22.43	22.97	23.55	24.13	24.93	1.66	19.67	32.73175
11 Dec 07	0.03	22.51	23.06	23.63	24.23	25.02	1.66	19.75	32.69498
12 Dec 07	0.03	22.70	23.22	23.81	24.40	25.22	1.66	19.90	33.12573
13 Dec 07	0.03	22.80	23.35	23.92	24.53	25.32	1.67	19.99	33.34791
14 Dec 07	0.03	22.65	23.17	23.75	24.37	25.16	1.67	19.86	33.20868
17 Dec 07	0.01	22.35	22.87	23.45	24.03	24.83	1.68	19.59	32.84219
18 Dec 07		22.60	23.14	23.72	24.32	25.09	1.68	23.77	39.90794
19 Dec 07		22.45	22.99	23.58	24.21	25.03	1.67	23.65	39.59729
20 Dec 07		22.30	22.84	23.42	24.05	24.82	1.67	23.49	39.24157
21 Dec 07		21.93	22.53	23.11	23.72	24.48	1.66	23.15	38.38501
24 Dec 07		22.00	22.55	23.11	23.73	24.51	1.65	23.18	38.33998
27 Dec 07		21.87	22.38	22.97	23.65	24.43	1.67	23.06	38.4317
28 Dec 07		22.21	22.72	23.28	23.91	24.75	1.68	23.37	39.35953
31 Dec 07		22.41	22.94	23.51	24.14	24.97	1.67	23.59	39.29199
02 Jan 08		22.92	23.46	24.05	24.74	25.43	1.67	24.12	40.25339
03 Jan 08		23.54	24.06	24.65	25.31	26.12	1.67	24.74	41.39918
04 Jan 08		23.55	24.07	24.63	25.32	26.12	1.69	24.74	41.80943
07 Jan 08		23.66	24.18	24.77	25.43	26.25	1.69	24.86	41.97292
08 Jan 08		23.70	24.23	24.84	25.43	26.29	1.66	24.90	41.44697
09 Jan 08		23.42	23.95	24.55	25.18	26.00	1.67	24.62	41.03065
10 Jan 08		23.11	23.66	24.24	24.88	25.67	1.65	24.31	40.23441
11 Jan 08		23.11	23.63	24.21	24.70	25.67	1.66	24.26	40.25358
14 Jan 08		23.41	23.93	24.50	25.12	25.99	1.66	24.59	40.75092
15 Jan 08		23.17	23.69	24.28	24.91	25.74	1.67	24.36	40.62308
16 Jan 08		22.75	23.24	23.84	24.49	25.33	1.67	23.93	39.94965
17 Jan 08		22.23	22.70	23.26	23.87	24.80	1.66	23.38	38.89919

18 Jan 08	22.28	22.76	23.31	23.94	24.86	1.66	23.43	39.00453
21 Jan 08	20.84	21.32	21.85	22.45	23.40	1.68	21.97	36.86012
22 Jan 08	20.31	20.78	21.32	21.98	22.88	1.68	21.45	36.05817
23 Jan 08	20.03	20.50	21.04	21.68	22.57	1.68	21.16	35.57712
24 Jan 08	19.76	20.21	20.75	21.39	22.33	1.68	20.89	35.04732
25 Jan 08	21.04	21.48	22.01	22.65	23.60	1.67	22.16	36.98396
28 Jan 08	20.65	21.10	21.63	22.28	23.21	1.67	21.77	36.30423
29 Jan 08	20.70	21.17	21.69	22.33	23.25	1.66	21.83	36.31657
30 Jan 08	20.08	20.55	21.08	21.72	22.65	1.66	21.22	35.29403
31 Jan 08	19.10	19.57	20.10	20.75	21.66	1.66	20.24	33.49178
01 Feb 08	19.22	19.67	20.20	20.84	21.76	1.64	20.34	33.39355
04 Feb 08	19.19	19.67	20.18	20.82	21.74	1.63	20.32	33.15496
05 Feb 08	18.84	19.33	19.84	20.47	21.39	1.63	19.97	32.60759
06 Feb 08	19.97	20.45	20.97	21.65	22.61	1.63	21.13	34.47446
07 Feb 08	20.44	20.90	21.42	22.10	23.03	1.62	21.58	34.91431
08 Feb 08	20.39	20.88	21.41	22.10	23.03	1.62	21.56	34.95125
11 Feb 08	20.16	20.63	21.18	21.87	22.80	1.60	21.33	34.22835
12 Feb 08	19.97	20.43	21.01	21.72	22.66	1.61	21.16	34.12043
13 Feb 08	19.93	20.41	20.98	21.68	22.61	1.63	21.12	34.43073
14 Feb 08	20.72	21.21	21.81	22.46	23.40	1.62	21.92	35.50431
15 Feb 08	20.87	21.35	21.95	22.61	23.59	1.62	22.07	35.69107
18 Feb 08	20.93	21.41	22.01	22.69	23.65	1.61	22.14	35.53493
19 Feb 08	21.64	22.13	22.74	23.42	24.37	1.60	22.86	36.55542
20 Feb 08	21.50	22.00	22.60	23.25	24.21	1.60	22.71	36.38971
21 Feb 08	21.70	22.18	22.81	23.51	24.45	1.61	22.93	36.95066
22 Feb 08	21.48	21.96	22.61	23.28	24.22	1.61	22.71	36.51943
25 Feb 08	21.59	22.09	22.74	23.34	24.31	1.60	22.81	36.58847
26 Feb 08	21.35	21.85	22.50	23.15	24.11	1.60	22.59	36.22305
27 Feb 08	21.26	21.78	22.41	23.10	24.05	1.61	22.52	36.18808
28 Feb 08	21.16	21.66	22.31	23.02	23.93	1.60	22.42	35.91915
29 Feb 08	21.31	21.83	22.51	23.21	24.15	1.63	22.60	36.72835
03 Mar 08	20.88	21.40	22.14	22.80	23.74	1.62	22.19	35.86616
04 Mar 08	20.67	21.19	21.91	22.66	23.59	1.65	22.00	36.26339
05 Mar 08	21.24	21.78	22.51	23.26	24.20	1.64	22.60	37.05659
06 Mar 08	21.35	21.89	22.62	23.36	24.30	1.66	22.70	37.5969
07 Mar 08	21.38	21.92	22.67	23.40	24.34	1.65	22.74	37.56517
10 Mar 08	21.66	22.21	23.03	23.88	24.77	1.67	23.11	38.62803
11 Mar 08	21.86	22.41	23.14	23.88	24.86	1.65	23.23	38.42859
12 Mar 08	21.95	22.48	23.19	24.02	24.98	1.66	23.32	38.69784
13 Mar 08	22.55	23.10	23.81	24.64	25.59	1.65	23.94	39.44987
14 Mar 08	22.21	22.76	23.52	24.30	25.28	1.67	23.61	39.48375
17 Mar 08	21.43	21.97	22.65	23.45	24.38	1.71	22.78	39.0027
18 Mar 08	21.66	22.22	22.92	23.73	24.67	1.69	23.04	38.98855
19 Mar 08	21.56	22.12	22.83	23.63	24.60	1.71	22.95	39.12914
20 Mar 08	21.97	22.54	23.26	24.05	25.02	1.71	23.37	40.06845
25 Mar 08	22.54	23.12	23.83	24.64	25.60	1.70	23.95	40.76307
26 Mar 08	22.51	23.10	23.79	24.55	25.56	1.72	23.90	41.16311
27 Mar 08	22.26	22.84	23.53	24.31	25.28	1.71	23.64	40.53072
28 Mar 08	21.76	22.34	23.02	23.77	24.75	1.72	23.13	39.76914
31 Mar 08	22.27	22.85	23.53	24.29	25.28	1.73	23.64	40.84975
01 Apr 08	22.52	23.10	23.81	24.54	25.53	1.72	23.90	41.17891
02 Apr 08	23.42	24.00	24.71	25.43	26.41	1.72	24.79	42.52716
03 Apr 08	23.47	24.09	24.79	25.51	26.50	1.71	24.87	42.5176
04 Apr 08	23.31	23.96	24.61	25.35	26.34	1.70	24.71	42.1265
07 Apr 08	23.82	24.48	25.15	25.86	26.85	1.70	25.23	42.7728
08 Apr 08	23.51	24.18	24.87	25.58	26.55	1.69	24.94	42.11126
09 Apr 08	23.69	24.35	25.05	25.76	26.74	1.70	25.12	42.80502
10 Apr 08	24.44	25.08	25.78	26.50	27.48	1.69	25.86	43.6506
11 Apr 08	24.38	25.01	25.70	26.44	27.43	1.70	25.79	43.89006
14 Apr 08	25.00	25.63	26.34	27.09	28.07	1.71	26.43	45.16074
15 Apr 08	25.14	25.78	26.47	27.23	28.22	1.71	26.57	45.37995
16 Apr 08	24.80	25.45	26.15	26.90	27.89	1.70	26.24	44.54426
17 Apr 08	24.69	25.35	26.07	26.81	27.80	1.70	26.14	44.35405
18 Apr 08	24.51	25.16	25.87	26.65	27.64	1.69	25.97	43.92773
21 Apr 08	25.23	25.87	26.70	27.39	28.38	1.69	26.71	45.12068

22 Apr 08	25.34	25.99	26.76	27.46	28.45	1.69	26.80	45.34755
23 Apr 08	25.00	25.66	26.38	27.10	28.09	1.67	26.45	44.24457
24 Apr 08	24.51	25.13	25.87	26.61	27.55	1.67	25.93	43.24395
25 Apr 08	24.74	25.38	26.13	26.87	27.86	1.67	26.20	43.81191
28 Apr 08	24.63	25.27	26.01	26.79	27.78	1.67	26.10	43.50298
29 Apr 08	24.19	24.84	25.58	26.34	27.33	1.67	25.66	42.74743
30 Apr 08	23.88	24.54	25.31	26.04	27.03	1.66	25.36	41.98501
01 May 08	23.56	24.22	24.95	25.67	26.66	1.65	25.01	41.39147
02 May 08	24.50	25.15	25.81	26.51	27.39	1.65	25.87	42.59338
06 May 08	25.31	25.97	26.69	27.45	28.43	1.63	26.77	43.73038
07 May 08	25.03	25.67	26.40	27.18	28.13	1.63	26.48	43.2878
08 May 08	24.91	25.55	26.27	27.04	27.98	1.63	26.35	42.97012
09 May 08	25.17	25.82	26.52	27.29	28.28	1.64	26.62	43.68162
12 May 08	25.39	26.02	26.74	27.52	28.52	1.64	26.84	44.02195
13 May 08	25.04	25.67	26.37	27.14	28.14	1.64	26.47	43.52495
14 May 08	24.46	25.06	25.78	26.56	27.56	1.65	25.88	42.82814
15 May 08	24.68	25.30	26.01	26.76	27.75	1.64	26.10	42.85479
16 May 08	24.89	25.48	26.21	26.95	27.93	1.63	26.29	42.92659
19 May 08	25.31	25.91	26.61	27.33	28.33	1.63	26.70	43.42471
20 May 08	25.36	25.97	26.66	27.39	28.39	1.63	26.75	43.73289
21 May 08	25.73	26.35	27.03	27.78	28.77	1.64	27.13	44.49296
22 May 08	26.06	26.68	27.41	28.10	29.08	1.64	27.47	45.15804
23 May 08	26.11	26.72	27.41	28.14	29.14	1.64	27.50	45.1612
26 May 08	26.38	26.90	27.40	27.95	28.90	1.64	27.51	45.14669
27 May 08	26.34	26.95	27.59	28.31	29.30	1.64	27.70	45.3306
28 May 08	26.19	26.77	27.42	28.10	29.09	1.63	27.51	44.71786
29 May 08	26.59	27.15	27.79	28.53	29.44	1.62	27.90	45.21162
30 May 08	26.10	26.69	27.33	28.05	29.01	1.63	27.44	44.62325
02 Jun 08	26.34	26.93	27.56	28.29	29.26	1.63	27.68	45.0327
03 Jun 08	27.13	27.74	28.39	29.08	30.09	1.62	28.49	46.26918
04 Jun 08	26.60	27.21	27.84	28.56	29.56	1.61	27.95	45.08449
05 Jun 08	26.44	27.05	27.69	28.46	29.49	1.63	27.83	45.27264
06 Jun 08	27.54	28.17	28.86	29.59	30.65	1.64	28.96	47.434
09 Jun 08	27.49	28.13	28.79	29.55	30.61	1.65	28.91	47.58534
10 Jun 08	27.20	27.84	28.52	29.27	30.34	1.63	28.63	46.7696
11 Jun 08	27.32	27.97	28.63	29.39	30.45	1.64	28.75	47.22145
12 Jun 08	27.16	27.81	28.47	29.24	30.29	1.65	28.59	47.1781
13 Jun 08	27.00	27.65	28.32	29.08	30.14	1.64	28.44	46.53096
16 Jun 08	27.13	27.77	28.45	29.22	30.29	1.65	28.57	47.00462
17 Jun 08	27.24	27.87	28.55	29.31	30.37	1.64	28.67	47.10205
18 Jun 08	27.50	28.16	28.84	29.60	30.71	1.64	28.96	47.52291
19 Jun 08	27.64	28.33	29.04	29.84	31.04	1.63	29.18	47.54445
20 Jun 08	27.41	28.11	28.83	29.63	30.83	1.64	28.96	47.4221
23 Jun 08	27.77	28.50	29.28	30.10	31.35	1.63	29.40	47.95882
24 Jun 08	27.78	28.63	29.45	30.39	31.72	1.63	29.59	48.25329
25 Jun 08	27.59	28.42	29.27	30.26	31.66	1.63	29.44	48.11121
26 Jun 08	27.88	28.81	29.77	30.86	32.28	1.65	29.92	49.2969
27 Jun 08	28.34	29.29	30.24	31.42	32.82	1.64	30.42	50.00249
30 Jun 08	28.77	29.80	30.79	31.93	33.37	1.64	30.93	50.82857
01 Jul 08	29.33	30.53	31.71	32.90	34.38	1.66	31.77	52.59106
02 Jul 08	27.99	29.19	30.26	31.49	32.85	1.65	30.36	50.07561
03 Jul 08	27.45	28.64	29.74	30.98	32.46	1.63	29.85	48.78912
04 Jul 08	27.64	29.00	30.10	31.17	32.70	1.63	30.12	49.06976
07 Jul 08	27.51	28.67	29.82	30.92	32.32	1.64	29.85	49.05391
08 Jul 08	25.79	26.85	27.88	28.99	30.34	1.64	27.97	45.8877
09 Jul 08	26.02	27.11	28.12	29.17	30.51	1.65	28.19	46.42521
10 Jul 08	26.68	27.87	28.94	30.06	31.53	1.64	29.02	47.57756
11 Jul 08	27.45	28.75	29.85	31.00	32.48	1.65	29.91	49.29654
14 Jul 08	27.26	28.56	29.64	30.78	32.27	1.64	29.70	48.59725
15 Jul 08	26.32	27.61	28.71	29.85	31.32	1.62	28.76	46.72425
16 Jul 08	25.03	26.20	27.23	28.17	29.49	1.62	27.22	44.19855
17 Jul 08	25.76	26.89	27.85	28.82	30.17	1.63	27.90	45.55694
18 Jul 08	24.50	25.61	26.47	27.54	28.95	1.63	26.61	43.44138
21 Jul 08	24.49	25.59	26.52	27.49	28.79	1.63	26.58	43.32397
22 Jul 08	24.67	25.83	26.75	27.78	29.11	1.62	26.83	43.59012

23 Jul 08	24.74	25.85	26.89	27.99	29.31	1.63	26.96	43.95184
24 Jul 08	25.14	26.32	27.39	28.50	29.85	1.63	27.44	44.83007
25 Jul 08	24.94	26.11	27.21	28.38	29.68	1.64	27.26	44.74414
28 Jul 08	24.41	25.53	26.57	27.68	28.99	1.65	26.64	43.82655
29 Jul 08	23.63	24.72	25.76	26.85	28.08	1.64	25.81	42.22642
30 Jul 08	22.70	23.79	24.81	25.85	27.06	1.65	24.84	41.0125
31 Jul 08	22.06	23.10	24.12	25.17	26.39	1.66	24.17	40.00885
01 Aug 08	21.38	22.38	23.36	24.42	25.64	1.67	23.44	39.20562
04 Aug 08	21.21	22.25	23.26	24.31	25.56	1.68	23.32	39.08238
05 Aug 08	21.67	22.70	23.71	24.76	25.98	1.69	23.76	40.11076
06 Aug 08	22.26	23.33	24.37	25.49	26.76	1.70	24.44	41.46208
07 Aug 08	22.82	23.89	24.97	26.15	27.42	1.69	25.05	42.35241
08 Aug 08	22.61	23.70	24.73	25.83	27.09	1.69	24.79	41.87277
11 Aug 08	22.65	23.74	24.80	25.90	27.21	1.69	24.86	41.95868
12 Aug 08	23.31	24.38	25.38	26.59	27.93	1.71	25.52	43.52341
13 Aug 08	23.67	24.78	25.81	26.97	28.28	1.70	25.90	44.12736
14 Aug 08	23.43	24.50	25.52	26.64	27.95	1.70	25.61	43.54502
15 Aug 08	23.19	24.22	25.20	26.34	27.60	1.69	25.31	42.87255
18 Aug 08	23.59	24.68	25.68	26.80	28.07	1.69	25.76	43.64002
19 Aug 08	23.73	24.78	25.76	26.86	28.14	1.70	25.85	43.84158
20 Aug 08	24.42	25.49	26.50	27.61	28.92	1.69	26.59	44.89045
21 Aug 08	24.72	25.80	26.80	27.93	29.26	1.69	26.90	45.52285
22 Aug 08	24.58	25.67	26.67	27.80	29.13	1.70	26.77	45.63108
25 Aug 08	24.37	25.46	26.50	27.67	29.07	1.71	26.61	45.47093
26 Aug 08	24.72	25.81	26.80	27.92	29.25	1.71	26.90	46.0443
27 Aug 08	25.14	26.25	27.27	28.32	29.67	1.71	27.33	46.86389
28 Aug 08	25.17	26.28	27.27	28.40	29.74	1.71	27.37	46.69375
29 Aug 08	25.19	26.29	27.24	28.38	29.68	1.71	27.36	46.73668
01 Sep 08	24.96	26.06	27.00	28.14	29.45	1.72	27.12	46.56483
02 Sep 08	24.72	25.80	26.74	27.84	29.14	1.73	26.85	46.44418
03 Sep 08	24.45	25.52	26.47	27.61	28.91	1.73	26.59	46.13678
04 Sep 08	24.65	25.72	26.68	27.84	29.13	1.74	26.80	46.59812
05 Sep 08	24.40	25.46	26.42	27.57	28.86	1.75	26.54	46.46062
08 Sep 08	24.19	25.25	26.20	27.25	28.55	1.73	26.29	45.46833
09 Sep 08	22.86	23.91	24.84	25.87	27.06	1.76	24.91	43.89645
10 Sep 08	22.77	23.81	24.76	25.71	26.96	1.75	24.80	43.35807
11 Sep 08	23.07	24.11	25.03	25.99	27.24	1.74	25.09	43.66609
12 Sep 08	23.90	24.95	25.79	26.82	28.07	1.73	25.91	44.75251
15 Sep 08	23.03	24.07	24.94	25.94	27.20	1.77	25.04	44.36289
16 Sep 08	22.91	23.93	24.81	25.78	27.07	1.77	24.90	43.9805
17 Sep 08	23.25	24.29	25.17	26.19	27.50	1.80	25.28	45.58944
18 Sep 08	23.78	24.83	25.71	26.74	28.04	1.79	25.82	46.10504
19 Sep 08	24.68	25.73	26.61	27.66	28.98	1.73	26.73	46.36375
22 Sep 08	24.85	25.89	26.75	27.83	29.15	1.75	26.89	46.97557
23 Sep 08	25.06	26.05	26.84	27.94	29.27	1.76	27.03	47.47831
24 Sep 08	24.65	25.57	26.32	27.43	28.69	1.75	26.53	46.53646
25 Sep 08	24.67	25.55	26.27	27.32	28.53	1.75	26.47	46.31071
26 Sep 08	24.45	25.43	26.17	27.20	28.50	1.76	26.35	46.35731
29 Sep 08	23.19	24.11	24.84	25.89	27.14	1.80	25.03	45.058
30 Sep 08	22.35	23.29	24.05	25.06	26.23	1.78	24.20	43.08924
01 Oct 08	22.83	23.84	24.56	25.59	26.82	1.78	24.73	43.94033
02 Oct 08	23.14	24.09	24.85	25.90	27.10	1.79	25.02	44.65754
03 Oct 08	23.07	24.01	24.80	25.82	27.01	1.78	24.94	44.35694
06 Oct 08	22.08	23.01	23.77	24.75	25.90	1.92	23.90	45.79248
07 Oct 08	22.25	23.09	23.78	24.69	25.77	1.91	23.92	45.59981
08 Oct 08	21.81	22.60	23.23	24.19	25.29	2.02	23.42	47.40562
09 Oct 08	22.50	23.36	24.01	24.96	26.15	1.96	24.20	47.41924
10 Oct 08	22.04	22.81	23.42	24.30	25.44	2.09	23.60	49.35742
13 Oct 08	22.84	23.40	23.98	24.88	25.94	1.99	24.21	48.09132
14 Oct 08	23.29	23.80	24.42	25.29	26.34	1.95	24.63	48.11227
15 Oct 08	22.82	23.31	24.01	24.90	25.97	2.01	24.20	48.55645
16 Oct 08	21.91	22.67	23.42	24.21	25.45	1.96	23.53	46.131
17 Oct 08	21.68	22.43	23.19	24.08	25.27	1.94	23.33	45.17594
20 Oct 08	21.80	22.49	23.26	24.21	25.38	1.90	23.43	44.48063
21 Oct 08	21.25	21.87	22.62	23.55	24.73	1.92	22.80	43.70486

22 Oct 08	19.90	20.57	21.25	22.19	23.40	1.91	21.46	41.05031
23 Oct 08	20.19	20.74	21.35	22.27	23.48	1.96	21.61	42.43386
24 Oct 08	19.14	19.70	20.28	21.19	22.32	2.03	20.53	41.67081
27 Oct 08	17.87	18.37	18.83	19.52	20.51	2.06	19.02	39.25081
28 Oct 08	17.63	18.15	18.54	19.19	20.16	1.98	18.73	37.08089
29 Oct 08	18.45	18.98	19.39	20.00	21.01	1.93	19.57	37.69849
30 Oct 08	18.12	18.70	19.14	19.76	20.85	1.90	19.31	36.74986
31 Oct 08	17.94	18.55	18.94	19.48	20.58	1.91	19.12	36.44567
03 Nov 08	18.25	18.88	19.24	19.82	20.95	1.86	19.43	36.22173
04 Nov 08	18.94	19.57	19.97	20.57	21.69	1.87	20.15	37.5967
05 Nov 08	18.54	19.17	19.60	20.23	21.35	1.88	19.78	37.11883
06 Nov 08	18.20	18.82	19.26	19.87	21.00	1.91	19.43	37.06866
07 Nov 08	18.69	19.34	19.75	20.43	21.65	1.89	19.97	37.69669
10 Nov 08	18.51	19.15	19.65	20.43	21.64	1.90	19.88	37.81081
11 Nov 08	17.94	18.60	19.15	19.92	21.13	1.91	19.35	36.91023
12 Nov 08	17.95	18.55	19.05	19.82	20.91	1.96	19.26	37.69855
13 Nov 08	17.95	18.50	18.97	19.75	20.80	1.95	19.19	37.44051
14 Nov 08	17.43	18.05	18.55	19.31	20.41	1.93	18.75	36.21256
17 Nov 08	17.03	17.69	18.23	19.01	20.13	1.94	18.42	35.66638
18 Nov 08	16.55	17.25	17.81	18.56	19.70	1.94	17.97	34.89459
19 Nov 08	16.33	17.03	17.60	18.35	19.43	1.94	17.75	34.45562
20 Nov 08	14.92	15.54	16.05	16.76	17.70	2.02	16.19	32.79015
21 Nov 08	15.03	15.68	16.28	16.88	17.79	2.02	16.33	32.96547
24 Nov 08	15.86	16.55	17.13	17.78	18.72	1.99	17.21	34.23277
25 Nov 08	15.76	16.46	17.10	17.73	18.68	2.01	17.15	34.42936
26 Nov 08	15.63	16.27	16.80	17.54	18.41	1.98	16.93	33.5336
27 Nov 08	16.31	17.05	17.73	18.29	19.23	1.95	17.72	34.60379
28 Nov 08	15.52	16.19	16.88	17.57	18.51	1.94	16.93	32.83892
01 Dec 08	15.53	16.21	16.90	17.53	18.42	1.95	16.92	33.05651
02 Dec 08	15.36	16.05	16.74	17.39	18.27	1.99	16.76	33.30178
03 Dec 08	15.22	15.90	16.53	17.20	18.05	1.97	16.58	32.66181
04 Dec 08	14.82	15.49	16.12	16.81	17.65	1.98	16.18	32.08787
05 Dec 08	13.72	14.36	14.97	15.58	16.38	1.99	15.00	29.82628
08 Dec 08	14.45	15.10	15.72	16.35	17.20	1.95	15.76	30.79015
09 Dec 08	14.28	14.90	15.53	16.12	16.99	1.96	15.56	30.57073
10 Dec 08	14.37	15.04	15.64	16.31	17.16	1.98	15.70	31.09595
11 Dec 08	14.86	15.64	16.25	16.91	17.80	1.97	16.29	32.15789
12 Dec 08	14.88	15.58	16.15	16.81	17.75	2.03	16.23	32.93163
15 Dec 08	15.30	15.95	16.49	17.21	18.16	2.05	16.62	34.13784
16 Dec 08		15.93	16.45	17.15	18.05	2.04	16.90	34.44057
17 Dec 08		15.95	16.44	17.06	17.95	2.04	16.85	34.44434
18 Dec 08		15.73	16.25	16.90	17.75	2.04	16.66	34.05714
19 Dec 08		15.74	16.21	16.89	17.77	2.03	16.65	33.83131
22 Dec 08		16.07	16.57	17.22	18.10	2.03	16.99	34.45659
23 Dec 08		15.81	16.33	16.98	17.86	2.05	16.75	34.32927
24 Dec 08		15.75	16.27	16.91	17.74	2.05	16.67	34.18143
29 Dec 08		15.81	16.38	17.02	17.90	2.04	16.78	34.1653
30 Dec 08		16.02	16.58	17.23	18.07	2.04	16.98	34.67143
31 Dec 08		15.90	16.46	17.08	17.95	1.97	16.85	33.26514
02 Jan 09		15.55	16.11	16.74	17.60	1.96	16.50	32.34127
05 Jan 09		15.38	15.92	16.56	17.46	1.90	16.33	30.96575
06 Jan 09		15.69	16.20	16.86	17.67	1.87	16.61	30.99061
07 Jan 09		15.45	15.94	16.61	17.45	1.91	16.36	31.29624
08 Jan 09		14.76	15.27	15.87	16.65	1.93	15.64	30.23083
09 Jan 09		14.44	14.95	15.50	16.25	1.91	15.29	29.15774
12 Jan 09		13.94	14.37	14.91	15.59	1.95	14.70	28.68456
13 Jan 09		13.78	14.18	14.74	15.39	1.99	14.52	28.95518
14 Jan 09		13.28	13.63	14.16	14.82	1.99	13.97	27.86722
15 Jan 09		13.25	13.62	14.14	14.77	1.98	13.95	27.63822
16 Jan 09		12.60	12.98	13.52	14.09	1.98	13.30	26.38562
19 Jan 09		11.63	12.00	12.52	13.07	1.95	12.31	24.04513
20 Jan 09		11.51	11.97	12.47	12.99	1.98	12.24	24.20303
21 Jan 09		11.50	11.90	12.41	12.97	1.97	12.20	24.01811
22 Jan 09		11.70	12.02	12.51	13.06	1.97	12.32	24.31724
23 Jan 09		11.67	12.00	12.46	13.11	1.98	12.31	24.33092

26 Jan 09	12.11	12.46	12.92	13.53	1.99	12.76	25.39635
27 Jan 09	11.91	12.26	12.74	13.38	1.99	12.57	25.02596
28 Jan 09	11.74	12.08	12.54	13.18	1.97	12.39	24.41398
29 Jan 09	11.88	12.20	12.67	13.29	1.98	12.51	24.79298
30 Jan 09	11.85	12.17	12.66	13.29	2.01	12.49	25.13005
02 Feb 09	11.29	11.69	12.11	12.76	2.03	11.96	24.31214
03 Feb 09	10.61	10.94	11.41	12.02	2.00	11.25	22.44864
04 Feb 09	10.43	10.72	11.19	11.78	1.99	11.03	21.93388
05 Feb 09	10.20	10.48	10.95	11.53	1.96	10.79	21.17082
06 Feb 09	10.07	10.35	10.82	11.40	1.92	10.66	20.43181
09 Feb 09	10.05	10.32	10.80	11.37	1.92	10.64	20.36714
10 Feb 09	9.33	9.57	10.04	10.60	1.97	9.89	19.49126
11 Feb 09	8.49	8.72	9.19	9.73	1.97	9.03	17.79822
12 Feb 09	8.20	8.43	8.90	9.43	1.98	8.74	17.26436
13 Feb 09	8.63	8.95	9.43	10.02	1.96	9.26	18.10428
16 Feb 09	8.40	8.72	9.19	9.78	1.97	9.02	17.74259
17 Feb 09	8.64	8.96	9.44	10.04	1.97	9.27	18.30424
18 Feb 09	9.68	9.98	10.47	11.07	1.97	10.30	20.26722
19 Feb 09	10.81	11.18	11.75	12.45	1.96	11.55	22.64821
20 Feb 09	9.97	10.33	10.87	11.55	1.98	10.68	21.18695
23 Feb 09	9.64	9.94	10.47	11.18	1.98	10.31	20.36527
24 Feb 09	9.36	9.72	10.25	10.96	1.98	10.07	19.90281
25 Feb 09	9.74	10.11	10.69	11.44	1.97	10.50	20.69419
26 Feb 09	10.60	11.05	11.64	12.44	1.96	11.43	22.3687
27 Feb 09	10.09	10.53	11.13	11.93	1.97	10.92	21.52927
02 Mar 09	10.06	10.49	11.16	11.97	1.99	10.92	21.70889
03 Mar 09	10.98	11.41	12.13	13.02	1.96	11.89	23.31361
04 Mar 09	11.64	12.14	12.86	13.77	1.95	12.60	24.52211
05 Mar 09	11.64	12.14	12.86	13.77	1.97	12.60	24.76503
06 Mar 09	10.83	11.33	12.03	12.97	1.98	11.79	23.33773
09 Mar 09	11.65	12.20	12.95	13.98	1.99	12.45	24.82853
10 Mar 09	12.01	12.57	13.32	14.35	1.97	12.75	25.1141
11 Mar 09	11.69	12.33	13.10	14.15	1.97	12.55	24.77538
12 Mar 09	11.87	12.54	13.41	14.62	1.97	12.79	25.21763
13 Mar 09	12.29	12.99	13.90	15.05	1.96	13.26	26.01471
16 Mar 09	12.58	13.29	14.19	15.39	1.96	13.55	26.58548
17 Mar 09	12.58	13.29	14.19	15.39	1.97	13.55	26.64552
18 Mar 09	12.58	13.29	14.19	15.39	1.98	13.55	26.81501

	EURO			AUD		
Date	EJA Dec07	EUA Dec09-12	CER Dec09-12	EUA Dec07	EUA Dec09-12	CER Dec09-12
22-Apr-05	16.95	17.13		28.30	28.59	
25-Apr-05	17.55	17.73		29.25	29.54	
26-Apr-05	17.20	17.38		28.68	28.97	
27-Apr-05	16.45	16.63		27.40	27.69	
28-Apr-05	16.00	16.18		26.47	26.76	
29-Apr-05	16.50	16.68		27.18	27.46	
03-May-05	16.25	16.43		27.04	27.33	
04-May-05	16.20	16.38		26.86	27.15	
05-May-05	16.60	16.78		27.54	27.83	
06-May-05	16.60	16.78		27.43	27.72	
09-May-05	17.00	17.18		28.28	28.57	
10-May-05	17.10	17.28		28.35	28.64	
11-May-05	16.90	17.08		27.94	28.23	
12-May-05	16.75	16.93		27.78	28.07	
13-May-05	16.80	17.13		27.87	28.41	
16-May-05	16.90	17.13		28.25	28.62	
17-May-05	17.20	17.53		28.68	29.22	
18-May-05	17.45	17.78		29.05	29.59	
19-May-05	18.00	18.23		30.01	30.38	
20-May-05	18.75	18.93		31.16	31.45	
23-May-05	18.50	18.95		30.64	31.39	
24-May-05	19.10	19.39		31.47	31.94	
25-May-05	19.95	20.13		32.97	33.26	
26-May-05	19.75	20.03		32.54	32.99	
27-May-05	19.65	19.98		32.38	32.91	
31-May-05	19.90	20.18		32.43	32.88	
01-Jun-05	19.60	19.83		31.96	32.33	
02-Jun-05	19.50	19.66		31.71	32.30	
03-Jun-05	19.10	19.55		30.87	31.59	
06-Jun-05	19.30	19.78		30.94	31.70	
07-Jun-05	19.60	20.15		31.32	32.19	
08-Jun-05	19.80	20.25		31.65	32.37	
09-Jun-05	19.65	20.00		31.28	31.84	
10-Jun-05	19.65	20.00		31.25	31.81	
13-Jun-05	19.85	20.35		31.58	32.38	
14-Jun-05	19.90	20.44		31.36	32.21	
15-Jun-05	20.10	20.45		31.62	32.17	
16-Jun-05	20.60	20.85		32.24	32.63	
17-Jun-05	21.50	21.85		33.95	34.51	
20-Jun-05	22.95	23.35		35.92	36.54	
21-Jun-05	23.00	23.50		35.87	36.65	
22-Jun-05	23.20	23.55		36.12	36.67	
23-Jun-05	23.40	23.83		36.46	37.12	
24-Jun-05	24.00	24.30		37.74	38.21	
27-Jun-05	23.95	24.30		37.65	38.40	
28-Jun-05	24.50	24.90		38.75	39.38	
29-Jun-05	25.45	25.94		40.31	41.08	
30-Jun-05	25.80	26.50		41.02	42.13	
01-Jul-05	26.90	27.48		42.83	43.75	
04-Jul-05	29.45	29.90		46.76	47.47	
05-Jul-05	28.85	29.30		46.31	47.03	
06-Jul-05	29.30	29.93		47.16	48.17	
07-Jul-05	29.40	30.03		47.42	48.43	
08-Jul-05	29.70	30.50		47.89	49.18	
11-Jul-05	29.90	30.65		48.26	49.47	
12-Jul-05	29.45	30.03		47.60	48.53	
13-Jul-05	27.95	28.40		45.05	45.78	
14-Jul-05	24.00	24.53		38.56	39.41	
15-Jul-05	24.30	24.93		39.02	40.02	
18-Jul-05	24.70	25.13		39.51	40.19	
19-Jul-05	24.55	24.94		39.32	39.94	
20-Jul-05	20.90	21.75		33.59	34.96	
21-Jul-05	20.35	21.20		32.35	33.70	
22-Jul-05	20.10	20.45		31.73	32.28	
25-Jul-05	20.15	20.83		31.87	32.93	
26-Jul-05	20.80	21.50		32.96	34.07	
27-Jul-05	22.05	22.58		35.20	36.04	
28-Jul-05	22.05	22.55		35.22	36.01	
29-Jul-05	22.35	22.98		35.78	36.78	
01-Aug-05	21.45	22.10		34.30	35.34	

02-Aug-05	20.70	21.15	32.98	33.70
03-Aug-05	20.70	21.40	33.06	34.18
04-Aug-05	20.50	21.20	32.84	33.96
05-Aug-05	21.25	21.75	34.16	34.97
08-Aug-05	21.75	22.25	35.15	35.96
09-Aug-05	22.45	22.95	36.48	37.29
10-Aug-05	22.45	23.05	36.27	37.24
11-Aug-05	22.55	23.35	36.26	37.55
12-Aug-05	22.80	23.25	36.68	37.41
15-Aug-05	22.40	22.98	36.04	36.96
16-Aug-05	22.45	23.03	36.05	36.98
17-Aug-05	22.80	23.43	36.76	37.77
18-Aug-05	22.75	23.35	36.79	37.76
19-Aug-05	22.90	23.38	37.06	37.83
22-Aug-05	23.05	23.63	37.34	38.28
23-Aug-05	23.10	23.58	37.40	38.17
24-Aug-05	23.10	23.58	37.50	38.27
25-Aug-05	23.35	23.75	37.81	38.46
30-Aug-05	23.65	24.30	38.63	39.69
31-Aug-05	23.95	24.48	39.17	40.03
01-Sep-05	24.40	24.98	39.98	40.93
02-Sep-05	24.75	25.28	40.53	41.39
05-Sep-05	24.75	25.33	40.41	41.35
06-Sep-05	24.65	25.13	40.02	40.79
07-Sep-05	24.70	25.23	40.03	40.88
08-Sep-05	24.35	24.70	39.06	39.62
09-Sep-05	23.75	24.20	38.05	38.77
12-Sep-05	22.25	22.65	35.49	36.13
13-Sep-05	21.75	22.10	34.72	35.28
14-Sep-05	22.45	22.70	35.74	36.13
15-Sep-05	22.70	22.95	36.19	36.59
16-Sep-05	22.05	22.35	35.14	35.61
19-Sep-05	22.60	22.95	35.80	36.36
20-Sep-05	22.05	22.40	34.88	35.43
21-Sep-05	22.00	20.81	34.86	32.98
22-Sep-05	22.30	20.75	35.52	33.05
23-Sep-05	22.05	19.38	35.06	30.81
26-Sep-05	21.60	18.88	34.45	30.10
27-Sep-05	22.05	19.30	35.03	30.66
28-Sep-05	22.75	20.25	36.08	32.11
29-Sep-05	22.90	20.25	36.25	32.05
30-Sep-05	22.85	20.60	36.02	32.47
03-Oct-05	22.75	20.85	35.50	32.53
04-Oct-05	23.30	21.80	36.35	34.01
05-Oct-05	23.80	22.13	37.62	34.98
06-Oct-05	23.60	22.68	37.89	36.40
07-Oct-05	23.05	22.09	36.93	35.39
10-Oct-05	23.05	22.75	36.64	36.17
11-Oct-05	23.15	22.68	36.89	36.14
12-Oct-05	23.50	23.03	37.41	36.65
13-Oct-05	23.45	23.28	37.55	37.27
14-Oct-05	23.05	22.80	37.02	36.62
17-Oct-05	23.10	22.95	37.07	36.82
18-Oct-05	22.85	22.53	36.52	36.00
19-Oct-05	22.40	22.38	35.78	35.74
20-Oct-05	22.10	21.88	35.29	34.93
21-Oct-05	21.80	21.68	34.80	34.60
24-Oct-05	21.45	21.00	34.24	33.52
25-Oct-05	21.40	21.15	34.21	33.81
26-Oct-05	21.65	20.93	34.62	33.46
27-Oct-05	21.85	21.25	35.02	34.05
28-Oct-05	22.10	21.35	35.55	34.34
31-Oct-05	21.90	21.50	35.13	34.48
01-Nov-05	21.75	20.78	35.03	33.46
02-Nov-05	21.35	20.61	34.69	33.49
03-Nov-05	21.25	19.91	34.37	32.21
04-Nov-05	21.35	20.25	34.40	32.63
07-Nov-05	21.60	20.40	34.76	32.83
08-Nov-05	22.05	20.84	35.35	33.40
09-Nov-05	22.50	20.59	35.91	32.86
10-Nov-05	22.70	20.78	36.39	33.30
11-Nov-05	22.70	20.70	36.26	33.06
14-Nov-05	23.15	21.63	37.19	34.74

15-Nov-05	22.90	20.88	36.60	33.36
16-Nov-05	22.75	20.50	36.36	32.77
17-Nov-05	22.45	20.30	35.89	32.45
18-Nov-05	21.65	20.25	34.75	32.50
21-Nov-05	21.70	19.50	34.56	31.06
22-Nov-05	22.20	20.13	35.51	32.19
23-Nov-05	21.60	19.01	34.54	30.40
24-Nov-05	19.90	17.85	31.72	28.45
25-Nov-05	20.15	18.55	32.07	29.53
28-Nov-05	20.50	18.55	32.66	29.55
29-Nov-05	19.90	18.50	31.75	29.52
30-Nov-05	20.15	18.35	32.12	29.25
01-Dec-05	20.55	18.50	32.44	29.20
02-Dec-05	21.80	18.25	34.10	28.54
05-Dec-05	22.70	19.55	35.62	30.68
06-Dec-05	23.40	19.85	36.60	31.05
07-Dec-05	22.90	19.55	35.89	30.64
08-Dec-05	22.05	18.86	34.72	29.70
09-Dec-05	21.70	19.35	34.11	30.41
12-Dec-05	22.35	19.50	35.38	30.87
13-Dec-05	22.70	20.13	35.90	31.83
14-Dec-05	22.45	19.78	35.62	31.38
15-Dec-05	22.40	19.80	35.84	31.68
16-Dec-05	22.10	19.50	35.68	31.48
19-Dec-05	22.10	19.60	35.79	31.74
20-Dec-05	21.95	19.48	35.53	31.53
21-Dec-05	21.85	19.38	35.26	31.26
22-Dec-05	21.65	19.35	35.17	31.43
23-Dec-05	21.35	18.95	34.80	30.89
27-Dec-05	21.65	19.25	35.41	31.48
28-Dec-05	21.85	19.40	35.52	31.54
29-Dec-05	22.05	19.80	35.63	32.00
30-Dec-05	22.10	19.60	35.60	31.58
03-Jan-06	22.75	19.95	36.86	32.32
04-Jan-06	23.05	20.30	37.34	32.88
05-Jan-06	23.45	20.30	37.91	32.82
06-Jan-06	24.00	21.15	38.64	34.05
09-Jan-06	23.70	20.35	37.99	32.62
10-Jan-06	23.80	20.60	38.33	33.18
11-Jan-06	23.80	20.60	38.15	33.02
12-Jan-06	24.00	20.75	38.43	33.23
13-Jan-06	24.00	20.90	38.59	33.61
16-Jan-06	24.05	21.15	38.61	33.96
17-Jan-06	25.25	21.93	40.57	35.23
18-Jan-06	26.45	22.70	42.77	36.70
19-Jan-06	26.65	22.78	43.07	36.81
20-Jan-06	27.90	23.05	45.26	37.39
23-Jan-06	26.90	22.98	43.91	37.50
24-Jan-06	26.35	22.28	43.08	36.42
25-Jan-06	26.70	22.68	43.42	36.87
26-Jan-06	27.45	23.08	44.51	37.42
27-Jan-06	26.90	23.18	43.36	37.35
30-Jan-06	27.50	24.50	44.36	39.52
31-Jan-06	27.55	25.25	44.32	40.62
01-Feb-06	28.05	26.49	44.93	42.42
02-Feb-06	28.55	27.04	45.78	43.35
03-Feb-06	28.85	27.30	46.25	43.77
06-Feb-06	28.70	29.10	46.24	46.88
07-Feb-06	27.65	28.18	44.65	45.50
08-Feb-06	27.15	27.63	43.82	44.59
09-Feb-06	27.45	28.25	44.42	45.71
10-Feb-06	27.30	28.39	44.09	45.85
13-Feb-06	27.20	27.90	43.79	44.91
14-Feb-06	27.35	27.90	44.03	44.91
15-Feb-06	27.60	27.88	44.43	44.87
16-Feb-06	27.95	29.36	44.97	47.24
17-Feb-06	27.70	29.15	44.72	47.07
20-Feb-06	28.10	28.80	45.25	46.38
21-Feb-06	28.30	28.63	45.64	46.16
22-Feb-06	28.20	28.24	45.61	45.67
23-Feb-06	27.65	25.33	44.62	40.86
24-Feb-06	27.65	26.00	44.39	41.74
27-Feb-06	27.20	25.83	43.70	41.49

28-Feb-06	27.40	25.75	43.97	41.32
01-Mar-06	27.85	25.48	44.56	40.76
02-Mar-06	28.15	25.25	45.23	40.57
03-Mar-06	28.05	25.45	45.31	41.11
06-Mar-06	28.05	25.49	45.51	41.35
07-Mar-06	27.60	24.75	44.68	40.06
08-Mar-06	27.75	25.20	45.11	40.97
09-Mar-06	27.70	24.95	44.95	40.49
10-Mar-06	27.90	24.95	45.41	40.61
13-Mar-06	28.45	25.36	46.34	41.31
14-Mar-06	28.25	25.35	46.07	41.34
15-Mar-06	28.05	25.45	45.78	41.54
16-Mar-06	27.70	25.25	45.76	41.71
17-Mar-06	27.95	25.28	46.76	42.29
20-Mar-06	28.15	25.38	47.47	42.79
21-Mar-06	28.10	25.53	47.35	43.01
22-Mar-06	28.15	25.93	47.28	43.54
23-Mar-06	28.20	25.88	47.22	43.33
24-Mar-06	27.95	25.95	47.45	44.05
27-Mar-06	27.80	25.63	47.34	43.63
28-Mar-06	27.95	25.88	47.60	44.06
29-Mar-06	28.20	27.13	47.95	46.12
30-Mar-06	28.35	28.45	48.17	48.34
31-Mar-06	28.40	28.34	48.10	48.00
03-Apr-06	28.35	28.40	48.11	48.20
04-Apr-06	28.85	28.75	49.07	48.90
05-Apr-06	29.80	28.95	50.34	48.90
06-Apr-06	30.35	29.23	50.76	48.87
07-Apr-06	29.85	29.40	49.73	48.98
10-Apr-06	30.00	29.50	49.80	48.97
11-Apr-06	30.45	30.83	50.41	51.03
12-Apr-06	30.35	31.38	50.13	51.82
13-Apr-06	30.15	31.63	50.15	52.60
18-Apr-06	30.30	31.78	50.29	52.74
19-Apr-06	31.50	33.81	52.19	56.02
20-Apr-06	31.50	33.88	52.58	56.55
21-Apr-06	30.95	32.43	51.27	53.71
24-Apr-06	30.75	32.75	51.21	54.54
25-Apr-06	30.95	32.55	51.61	54.27
26-Apr-06	28.30	31.18	46.79	51.55
27-Apr-06	20.75	23.78	34.36	39.37
28-Apr-06	17.30	23.13	28.75	38.43
01-May-06	14.25	20.05	23.62	33.23
02-May-06	13.95	19.75	23.09	32.70
03-May-06	11.95	19.70	19.59	32.29
04-May-06	12.85	21.30	21.15	35.05
05-May-06	14.85	23.53	24.48	38.79
08-May-06	13.20	21.49	21.82	35.52
09-May-06	12.65	21.43	20.84	35.30
10-May-06	12.75	19.99	21.03	32.97
11-May-06	13.65	20.76	22.56	34.31
12-May-06	13.40	20.84	22.38	34.80
15-May-06	9.80	19.01	16.48	31.97
16-May-06	15.75	22.95	26.37	38.42
17-May-06	17.35	23.20	29.13	38.95
18-May-06	16.25	23.65	27.28	39.70
19-May-06	16.25	23.44	27.40	39.52
22-May-06	16.95	23.56	28.96	40.26
23-May-06	18.95	25.49	32.20	43.31
24-May-06	20.45	25.55	34.68	43.33
25-May-06	19.75	25.13	33.20	42.24
26-May-06	19.85	25.63	33.31	43.01
30-May-06	19.55	25.54	32.99	43.10
31-May-06	18.50	24.89	31.50	42.37
01-Jun-06	17.40	23.88	29.77	40.86
02-Jun-06	17.00	22.93	29.21	39.39
05-Jun-06	17.05	22.75	29.40	39.23
06-Jun-06	16.65	22.45	28.85	38.90
07-Jun-06	16.30	22.28	28.17	38.49
08-Jun-06	15.60	21.60	26.62	36.86
09-Jun-06	14.60	21.00	24.65	35.46
12-Jun-06	14.60	20.75	24.64	35.01
13-Jun-06	15.60	21.85	26.52	37.15

14-Jun-06	15.50	21.65	26.51	37.03
15-Jun-06	15.50	20.85	26.35	35.44
16-Jun-06	15.50	21.03	26.50	35.95
19-Jun-06	15.65	20.85	26.71	35.59
20-Jun-06	15.90	21.83	27.11	37.22
21-Jun-06	16.60	22.25	28.43	38.10
22-Jun-06	16.05	21.75	27.49	37.26
23-Jun-06	16.15	21.85	27.61	37.35
26-Jun-06	16.05	21.71	27.59	37.32
27-Jun-06	15.60	21.01	26.78	36.07
28-Jun-06	15.75	21.33	27.10	36.70
29-Jun-06	16.20	21.43	27.75	36.70
30-Jun-06	16.55	21.28	28.48	36.61
03-Jul-06	16.55	21.08	28.54	36.34
04-Jul-06	16.85	21.13	28.94	36.29
05-Jul-06	16.85	20.50	28.90	35.16
06-Jul-06	16.65	20.39	28.51	34.91
07-Jul-06	17.05	20.83	29.04	35.47
10-Jul-06	16.80	20.95	28.66	35.73
11-Jul-06	16.95	21.15	28.74	35.87
12-Jul-06	17.10	21.53	28.88	36.35
13-Jul-06	17.05	21.55	28.68	36.25
14-Jul-06	17.15	21.60	28.79	36.27
17-Jul-06	17.50	21.53	29.31	36.05
18-Jul-06	18.05	21.75	30.25	36.45
19-Jul-06	17.70	21.60	29.73	36.28
20-Jul-06	17.20	21.43	28.91	36.01
21-Jul-06	17.55	21.43	29.61	36.15
24-Jul-06	17.40	21.30	29.10	35.62
25-Jul-06	17.30	21.00	28.90	35.08
26-Jul-06	17.00	20.73	28.35	34.56
27-Jul-06	17.15	20.45	28.56	34.06
28-Jul-06	17.35	20.35	28.83	33.82
31-Jul-06	16.90	19.75	28.15	32.90
01-Aug-06	16.85	20.15	28.22	33.75
02-Aug-06	17.05	20.20	28.54	33.81
03-Aug-06	17.15	19.94	28.84	33.53
04-Aug-06	16.60	19.08	27.91	32.08
07-Aug-06	15.90	18.43	26.74	30.98
08-Aug-06	16.45	19.13	27.75	32.26
09-Aug-06	16.55	19.35	27.78	32.48
10-Aug-06	16.50	19.40	27.52	32.35
11-Aug-06	16.30	19.30	27.07	32.06
14-Aug-06	16.50	19.13	27.64	32.04
15-Aug-06	16.25	19.03	27.15	31.79
16-Aug-06	16.25	19.05	27.16	31.84
17-Aug-06	16.40	19.28	27.64	32.48
18-Aug-06	16.45	19.03	27.80	32.16
21-Aug-06	16.55	19.38	27.95	32.72
22-Aug-06	17.35	19.64	29.15	32.99
23-Aug-06	17.60	19.70	29.52	33.04
24-Aug-06	17.40	19.80	29.16	33.18
25-Aug-06	16.90	19.40	28.49	32.71
28-Aug-06	17.00	19.55	28.62	32.92
29-Aug-06	16.90	19.45	28.37	32.65
30-Aug-06	16.60	19.40	27.88	32.59
31-Aug-06	16.30	19.30	27.36	32.40
01-Sep-06	16.50	19.35	27.62	32.39
04-Sep-06	16.50	19.35	27.55	32.31
05-Sep-06	16.90	19.65	28.06	32.62
06-Sep-06	17.10	19.70	28.58	32.93
07-Sep-06	17.15	19.63	28.78	32.93
08-Sep-06	17.05	19.53	28.63	32.79
11-Sep-06	16.95	19.59	28.68	33.14
12-Sep-06	16.80	19.35	28.40	32.72
13-Sep-06	16.90	19.45	28.49	32.78
14-Sep-06	16.80	19.33	28.31	32.57
15-Sep-06	16.80	19.33	28.27	32.51
18-Sep-06	16.75	19.20	28.16	32.28
19-Sep-06	16.75	19.36	28.21	32.61
20-Sep-06	16.25	18.94	27.38	31.91
21-Sep-06	14.70	18.00	24.83	30.40
22-Sep-06	14.00	17.58	23.85	29.94

25-Sep-06	13.85	17.55	23.44	29.71
26-Sep-06	13.25	17.38	22.38	29.35
27-Sep-06	12.35	16.58	20.89	28.04
28-Sep-06	12.45	16.83	21.12	28.54
29-Sep-06	12.90	17.08	21.94	29.04
02-Oct-06	13.30	17.53	22.64	29.83
03-Oct-06	12.50	16.75	21.42	28.70
04-Oct-06	12.30	16.90	20.96	28.79
05-Oct-06	12.30	17.28	20.91	29.37
06-Oct-06	12.45	17.78	21.11	30.13
09-Oct-06	12.40	17.73	20.99	30.00
10-Oct-06	12.65	17.78	21.29	29.92
11-Oct-06	12.75	17.38	21.49	29.29
12-Oct-06	12.75	17.18	21.31	28.70
13-Oct-06	12.65	16.48	21.07	27.44
16-Oct-06	12.75	16.54	21.18	27.47
17-Oct-06	12.80	16.55	21.29	27.52
18-Oct-06	13.00	16.70	21.59	27.73
19-Oct-06	13.15	16.78	21.85	27.87
20-Oct-06	13.05	16.98	21.69	28.22
23-Oct-06	13.05	17.38	21.63	28.80
24-Oct-06	12.75	17.68	21.12	29.28
25-Oct-06	12.80	17.70	21.20	29.31
26-Oct-06	12.35	17.00	20.50	28.22
27-Oct-06	12.40	17.20	20.54	28.50
30-Oct-06	12.15	17.13	20.08	28.30
31-Oct-06	11.05	16.68	18.21	27.48
01-Nov-06	11.25	16.83	18.51	27.69
02-Nov-06	11.25	17.13	18.55	28.24
03-Nov-06	10.95	17.08	18.08	28.19
06-Nov-06	10.80	17.23	17.81	28.41
07-Nov-06	10.55	17.38	17.42	28.69
08-Nov-06	9.65	17.03	15.99	28.20
09-Nov-06	9.70	17.13	16.18	28.57
10-Nov-06	9.70	17.45	16.24	29.22
13-Nov-06	8.95	17.05	15.03	28.63
14-Nov-06	8.70	17.15	14.58	28.73
15-Nov-06	9.40	16.83	15.75	28.19
16-Nov-06	9.25	17.28	15.42	28.80
17-Nov-06	8.90	17.38	14.84	28.97
20-Nov-06	8.75	17.53	14.54	29.13
21-Nov-06	9.00	18.48	14.98	30.75
22-Nov-06	9.10	18.83	15.17	31.38
23-Nov-06	8.90	18.68	14.87	31.20
24-Nov-06	9.00	18.78	15.13	31.56
27-Nov-06	9.20	19.78	15.52	33.35
28-Nov-06	9.20	20.33	15.47	34.17
29-Nov-06	8.90	19.23	14.94	32.26
30-Nov-06	8.40	19.83	14.11	33.29
01-Dec-06	8.20	19.63	13.83	33.10
04-Dec-06	7.85	21.03	12.91	35.48
05-Dec-06	7.25	20.64	12.28	34.96
06-Dec-06	6.85	20.13	11.58	34.01
07-Dec-06	7.10	20.18	11.94	33.94
08-Dec-06	7.55	19.63	12.69	32.99
11-Dec-06	7.30	20.08	12.32	33.87
12-Dec-06	7.10	19.58	11.99	33.05
13-Dec-06	6.85	18.86	11.51	31.70
14-Dec-06	6.60	18.40	11.09	30.91
15-Dec-06	6.60	18.39	11.04	30.76
18-Dec-06	6.60	18.51	11.07	31.05
19-Dec-06	6.70	18.63	11.28	31.35
20-Dec-06	6.65	18.48	11.14	30.96
21-Dec-06	6.60	18.43	11.08	30.93
22-Dec-06	6.60	18.74	11.40	31.40
26-Dec-06	6.95	19.13	11.64	32.02
27-Dec-06	6.95	19.13	11.64	32.02
28-Dec-06	6.70	19.58	11.17	32.64
29-Dec-06	6.70	19.53	11.21	32.65
02-Jan-07	5.60	18.93	9.34	31.58
03-Jan-07	4.85	17.84	8.06	29.66
04-Jan-07	4.85	17.98	8.08	29.95
05-Jan-07	4.80	17.23	8.01	28.76

08-Jan-07	3.95	15.88	6.59	26.49
09-Jan-07	3.50	16.13	5.83	26.86
10-Jan-07	3.85	16.33	6.41	27.17
11-Jan-07	4.00	16.63	6.60	27.43
12-Jan-07	4.05	17.05	6.67	28.10
15-Jan-07	4.05	17.60	6.68	29.03
16-Jan-07	4.25	17.78	7.01	29.33
17-Jan-07	4.10	17.03	6.75	28.02
18-Jan-07	4.00	17.18	6.57	28.21
19-Jan-07	4.00	17.18	6.57	28.20
22-Jan-07	3.90	17.03	6.41	27.96
23-Jan-07	3.80	17.03	6.24	27.98
24-Jan-07	3.45	16.63	5.72	27.57
25-Jan-07	3.30	16.75	5.51	27.98
26-Jan-07	3.05	16.96	5.09	28.32
29-Jan-07	2.50	16.94	4.20	28.44
30-Jan-07	2.45	16.78	4.11	28.14
31-Jan-07	2.35	16.71	3.95	28.06
01-Feb-07	2.25	16.79	3.78	28.23
02-Feb-07	2.00	16.13	3.35	26.97
05-Feb-07	1.80	16.33	3.00	27.18
06-Feb-07	1.50	16.23	2.50	27.09
07-Feb-07	1.35	15.83	2.26	26.46
08-Feb-07	1.50	15.18	2.50	25.31
09-Feb-07	1.65	15.48	2.76	25.90
12-Feb-07	1.30	15.58	2.18	26.13
13-Feb-07	1.25	15.08	2.09	25.23
14-Feb-07	1.20	14.98	2.01	25.08
15-Feb-07	1.15	15.03	1.93	25.16
16-Feb-07	1.15	15.08	1.92	25.16
19-Feb-07	0.80	14.13	1.34	23.61
20-Feb-07	0.90	13.56	1.51	22.68
21-Feb-07	0.95	14.28	1.58	23.71
22-Feb-07	0.90	14.43	1.50	23.99
23-Feb-07	0.95	15.88	1.58	26.40
26-Feb-07	1.00	16.68	1.66	27.70
27-Feb-07	1.00	16.44	1.67	27.48
28-Feb-07	0.95	16.28	1.59	27.30
01-Mar-07	1.00	16.55	1.68	27.78
02-Mar-07	1.10	16.23	1.85	27.35
05-Mar-07	1.00	15.03	1.70	25.52
06-Mar-07	1.05	15.06	1.78	25.51
07-Mar-07	1.15	15.63	1.94	26.42
08-Mar-07	1.15	16.11	1.94	27.20
09-Mar-07	1.35	16.14	2.27	27.12
12-Mar-07	1.35	16.48	2.27	27.67
13-Mar-07	1.25	16.50	2.10	27.77
14-Mar-07	1.25	16.46	2.11	27.74
15-Mar-07	1.25	16.93	2.09	28.36
16-Mar-07	1.20	16.83	2.01	28.12
19-Mar-07	1.05	16.98	1.75	28.25
20-Mar-07	1.05	17.88	1.74	29.62
21-Mar-07	1.05	17.83	1.74	29.53
22-Mar-07	1.00	17.79	1.65	29.39
23-Mar-07	1.00	17.69	1.65	29.17
26-Mar-07	1.00	18.63	1.65	30.65
27-Mar-07	1.04	18.33	1.72	30.26
28-Mar-07	1.20	18.65	1.98	30.84
29-Mar-07	1.36	18.82	2.25	31.11
30-Mar-07	1.31	18.86	2.16	31.12
02-Apr-07	1.03	18.18	1.69	29.75
03-Apr-07	0.90	17.25	1.48	28.29
04-Apr-07	0.85	17.49	1.39	28.54
05-Apr-07	0.83	17.96	1.36	29.40
09-Apr-07	0.83	17.42	1.36	28.47
10-Apr-07	0.83	18.01	1.35	29.28
11-Apr-07	0.80	18.41	1.30	29.97
12-Apr-07	0.80	18.81	1.30	30.58
13-Apr-07	0.76	19.14	1.23	31.08
16-Apr-07	0.72	19.20	1.17	31.21
17-Apr-07	0.68	19.15	1.10	31.06
18-Apr-07	0.56	18.86	0.91	30.60
19-Apr-07	0.51	18.52	0.83	30.17

20-Apr-07	0.63	18.76	1.02	30.44
23-Apr-07	0.68	19.34	1.11	31.53
24-Apr-07	0.68	19.34	1.12	31.90
25-Apr-07	0.64	19.52	1.05	31.92
26-Apr-07	0.54	19.39	0.89	31.92
27-Apr-07	0.53	19.49	0.87	32.03
30-Apr-07	0.53	20.34	0.87	33.41
01-May-07	0.58	20.67	0.95	33.96
02-May-07	0.56	20.19	0.92	33.25
03-May-07	0.54	20.08	0.89	33.01
04-May-07	0.54	20.28	0.89	33.55
07-May-07	0.53	20.70	0.87	34.12
08-May-07	0.47	20.66	0.77	33.77
09-May-07	0.40	20.66	0.65	33.74
10-May-07	0.30	20.33	0.49	33.11
11-May-07	0.32	20.77	0.52	33.78
14-May-07	0.33	21.38	0.54	34.79
15-May-07	0.29	21.68	0.47	35.35
16-May-07	0.33	21.92	0.54	35.97
17-May-07	0.30	22.45	0.49	36.77
18-May-07	0.28	22.86	0.46	37.47
21-May-07	0.30	23.02	0.49	37.73
22-May-07	0.29	22.75	0.48	37.34
23-May-07	0.29	23.08	0.47	37.71
24-May-07	0.29	24.32	0.48	39.89
25-May-07	0.29	25.09	0.48	41.23
28-May-07	0.30	25.16	0.49	41.30
29-May-07	0.27	26.20	0.44	43.05
30-May-07	0.27	24.05	0.44	39.26
31-May-07	0.29	23.85	0.47	38.74
01-Jun-07	0.29	24.90	0.47	40.21
04-Jun-07	0.29	25.55	0.47	41.30
05-Jun-07	0.28	24.19	0.45	39.04
06-Jun-07	0.29	24.23	0.47	38.93
07-Jun-07	0.27	23.60	0.43	37.66
08-Jun-07	0.27	23.94	0.43	37.91
11-Jun-07	0.25	23.58	0.40	37.31
12-Jun-07	0.24	23.64	0.38	37.38
13-Jun-07	0.22	24.63	0.35	39.02
14-Jun-07	0.19	24.63	0.30	39.20
15-Jun-07	0.17	23.75	0.27	37.74
18-Jun-07	0.14	22.67	0.22	36.03
19-Jun-07	0.14	22.04	0.22	34.96
20-Jun-07	0.13	22.75	0.21	36.12
21-Jun-07	0.12	22.59	0.19	35.69
22-Jun-07	0.12	22.78	0.19	36.24
25-Jun-07	0.11	22.10	0.18	35.16
26-Jun-07	0.13	21.99	0.21	34.97
27-Jun-07	0.13	22.30	0.21	35.79
28-Jun-07	0.14	23.15	0.22	36.75
29-Jun-07	0.13	23.21	0.21	37.05
02-Jul-07	0.14	22.62	0.22	35.87
03-Jul-07	0.13	22.10	0.21	35.19
04-Jul-07	0.13	22.02	0.21	34.95
05-Jul-07	0.14	22.37	0.22	35.51
06-Jul-07	0.15	22.78	0.24	36.17
09-Jul-07	0.14	21.98	0.22	34.82
10-Jul-07	0.14	21.89	0.22	34.88
11-Jul-07	0.14	21.55	0.22	34.37
12-Jul-07	0.13	20.70	0.21	32.96
13-Jul-07	0.13	20.82	0.21	33.00
16-Jul-07	0.13	19.78	0.21	31.27
17-Jul-07	0.14	20.11	0.22	31.75
18-Jul-07	0.13	19.86	0.20	31.23
19-Jul-07	0.12	20.29	0.19	31.83
20-Jul-07	0.13	20.54	0.20	32.28
23-Jul-07	0.12	20.17	0.19	31.52
24-Jul-07	0.12	20.27	0.19	31.77
25-Jul-07	0.12	20.94	0.19	32.51
26-Jul-07	0.12	21.04	0.19	33.18
27-Jul-07	0.12	21.22	0.19	33.96
30-Jul-07	0.11	21.83	0.18	34.96
31-Jul-07	0.12	22.11	0.19	35.54

01-Aug-07	0.11	21.47	0.18	34.42
02-Aug-07	0.09	21.69	0.14	34.63
03-Aug-07	0.09	21.41	0.15	34.50
06-Aug-07	0.09	20.62	0.14	33.12
07-Aug-07	0.09	21.04	0.14	33.77
08-Aug-07	0.10	20.94	0.16	33.51
09-Aug-07	0.10	20.69	0.16	33.28
10-Aug-07	0.10	20.08	0.16	32.55
13-Aug-07	0.10	20.59	0.16	33.25
14-Aug-07	0.11	20.50	0.18	33.24
15-Aug-07	0.11	20.81	0.18	34.09
16-Aug-07	0.11	20.50	0.19	34.75
17-Aug-07	0.11	20.62	0.19	34.86
20-Aug-07	0.11	20.50	0.18	34.26
21-Aug-07	0.11	20.71	0.18	34.80
22-Aug-07	0.11	20.27	0.18	34.02
23-Aug-07	0.11	20.55	0.18	33.98
24-Aug-07	0.11	20.36	0.18	33.66
27-Aug-07	0.11	20.11	0.18	33.10
28-Aug-07	0.11	20.99	0.18	34.99
29-Aug-07	0.10	21.40	0.17	35.62
30-Aug-07	0.11	20.87	0.18	34.91
31-Aug-07	0.10	20.89	0.17	34.76
03-Sep-07	0.10	21.27	0.17	35.30
04-Sep-07	0.10	22.39	0.17	36.95
05-Sep-07	0.10	21.75	0.17	36.08
06-Sep-07	0.10	22.03	0.17	36.36
07-Sep-07	0.10	21.97	0.17	36.57
10-Sep-07	0.09	21.81	0.15	36.46
11-Sep-07	0.08	22.27	0.13	36.91
12-Sep-07	0.09	22.60	0.15	37.28
13-Sep-07	0.07	22.04	0.12	36.37
14-Sep-07	0.07	22.17	0.12	36.50
17-Sep-07	0.07	21.95	0.12	36.57
18-Sep-07	0.06	22.09	0.10	36.25
19-Sep-07	0.08	22.52	0.13	36.72
20-Sep-07	0.08	22.90	0.13	37.37
21-Sep-07	0.08	22.99	0.13	37.44
24-Sep-07	0.08	22.98	0.13	37.28
25-Sep-07	0.08	22.59	0.13	36.58
26-Sep-07	0.08	22.47	0.13	36.24
27-Sep-07	0.08	22.77	0.13	36.57
28-Sep-07	0.08	22.85	0.13	36.69
01-Oct-07	0.07	22.84	0.11	36.35
02-Oct-07	0.08	22.99	0.13	36.78
03-Oct-07	0.07	22.74	0.11	36.32
04-Oct-07	0.07	23.03	0.11	36.66
05-Oct-07	0.11	23.05	0.17	36.28
08-Oct-07	0.07	23.08	0.11	36.31
09-Oct-07	0.07	23.15	0.11	36.30
10-Oct-07	0.07	23.71	0.11	37.37
11-Oct-07	0.07	23.85	0.11	37.59
12-Oct-07	0.07	23.87	0.11	37.43
15-Oct-07	0.07	24.04	0.11	38.01
16-Oct-07	0.07	24.25	0.11	38.74
17-Oct-07	0.07	24.44	0.11	38.99
18-Oct-07	0.07	24.28	0.11	38.74
19-Oct-07	0.07	24.02	0.11	38.51
22-Oct-07	0.07	23.56	0.11	37.75
23-Oct-07	0.07	23.74	0.11	37.70
24-Oct-07	0.07	23.95	0.11	37.88
25-Oct-07	0.07	24.25	0.11	38.23
26-Oct-07	0.07	24.16	0.11	37.86
29-Oct-07	0.07	24.33	0.11	38.10
30-Oct-07	0.07	23.60	0.11	37.00
31-Oct-07	0.09	23.70	0.14	36.81
01-Nov-07	0.08	23.12	0.13	36.41
02-Nov-07	0.08	22.92	0.13	36.09
05-Nov-07	0.07	22.89	0.11	36.01
06-Nov-07	0.07	22.86	0.11	35.92
07-Nov-07	0.10	23.00	0.16	36.19
08-Nov-07	0.11	23.01	0.17	36.52
09-Nov-07	0.10	23.20	0.16	37.19

12-Nov-07	0.10	23.29	0.16	38.35
13-Nov-07	0.10	23.72	0.16	38.88
14-Nov-07	0.09	24.44	0.15	39.85
15-Nov-07	0.09	24.07	0.15	39.61
16-Nov-07	0.08	24.04	0.13	39.52
19-Nov-07	0.08	24.29	0.13	40.26
20-Nov-07	0.07	25.27	0.12	42.33
21-Nov-07	0.07	25.17	0.12	42.81
22-Nov-07	0.08	25.15	0.14	42.88
23-Nov-07	0.08	25.16	0.14	42.62
26-Nov-07	0.07	25.28	0.12	42.97
27-Nov-07	0.07	24.98	0.12	42.39
28-Nov-07	0.07	24.76	0.12	41.28
29-Nov-07	0.04	24.18	0.07	40.52
30-Nov-07	0.01	23.83	0.02	39.60
03-Dec-07	0.03	24.45	0.05	40.69
04-Dec-07	0.03	24.92	0.05	42.07
05-Dec-07	0.03	24.32	0.05	40.87
06-Dec-07	0.03	24.27	0.05	40.60
07-Dec-07	0.03	23.79	0.05	39.70
10-Dec-07	0.03	23.90	0.05	39.76
11-Dec-07	0.03	23.99	0.05	39.71
12-Dec-07	0.03	24.16	0.05	40.23
13-Dec-07	0.03	24.28	0.05	40.50
14-Dec-07	0.03	24.11	0.05	40.33
17-Dec-07	0.01	23.80	0.02	39.89
18-Dec-07		24.07		40.40
19-Dec-07		23.95		40.10
20-Dec-07		23.78		39.74
21-Dec-07		23.46		38.89
24-Dec-07		23.48		38.83
27-Dec-07		23.36		38.93
28-Dec-07		23.67		39.85
31-Dec-07		23.89		39.78
02-Jan-08		24.42		40.75
03-Jan-08		25.04		41.90
04-Jan-08		25.04		42.31
07-Jan-08		25.16		42.48
08-Jan-08		25.20		41.95
09-Jan-08		24.92		41.53
10-Jan-08		24.61		40.73
11-Jan-08		24.55		40.73
14-Jan-08		24.89		41.24
15-Jan-08		24.66		41.12
16-Jan-08		24.23		40.44
17-Jan-08		23.66		39.38
18-Jan-08		23.72		39.48
21-Jan-08		22.26		37.33
22-Jan-08		21.74		36.54
23-Jan-08		21.45		36.05
24-Jan-08		21.17		35.52
25-Jan-08		22.44		37.45
28-Jan-08		22.06		36.77
29-Jan-08		22.11		36.79
30-Jan-08		21.50		35.77
31-Jan-08		20.52		33.96
01-Feb-08		20.62		33.85
04-Feb-08		20.60		33.62
05-Feb-08		20.26		33.07
06-Feb-08		21.42		34.95
07-Feb-08		21.86		35.37
08-Feb-08		21.86		35.43
11-Feb-08		21.62		34.70
12-Feb-08		21.46		34.60
13-Feb-08		21.42		34.92
14-Feb-08		22.22		35.99
15-Feb-08		22.38		36.18
18-Feb-08		22.44		36.02
19-Feb-08		23.17		37.04
20-Feb-08		23.02		36.88
21-Feb-08		23.24		37.45
22-Feb-08		23.02		37.01
25-Feb-08		23.12		37.08

26-Feb-08	22.90		36.72	
27-Feb-08	22.84		36.69	
28-Feb-08	22.73		36.42	
29-Feb-08	22.93		37.25	
03-Mar-08	22.52		36.40	
04-Mar-08	22.34		36.81	
05-Mar-08	22.94		37.61	
06-Mar-08	23.04		38.16	
07-Mar-08	23.08		38.13	
10-Mar-08	23.47		39.23	
11-Mar-08	23.57		39.00	
12-Mar-08	23.67		39.27	
13-Mar-08	24.29		40.02	
14-Mar-08	23.97	15.39	40.07	25.73
17-Mar-08	23.11	14.83	39.58	25.39
18-Mar-08	23.39	15.04	39.57	25.45
19-Mar-08	23.30	14.99	39.72	25.56
20-Mar-08	23.72	15.35	40.67	26.32
25-Mar-08	24.30	15.73	41.36	26.77
26-Mar-08	24.25	15.66	41.76	26.97
27-Mar-08	23.99	15.57	41.12	26.69
28-Mar-08	23.47	15.31	40.36	26.33
31-Mar-08	23.99	15.54	41.44	26.85
01-Apr-08	24.25	15.61	41.77	26.89
02-Apr-08	25.14	16.12	43.12	27.64
03-Apr-08	25.22	16.15	43.12	27.61
04-Apr-08	25.07	16.13	42.72	27.49
07-Apr-08	25.59	16.15	43.37	27.38
08-Apr-08	25.30	16.00	42.71	27.02
09-Apr-08	25.48	15.99	43.41	27.25
10-Apr-08	26.21	16.39	44.25	27.66
11-Apr-08	26.15	16.29	44.49	27.72
14-Apr-08	26.78	16.49	45.77	28.18
15-Apr-08	26.93	16.46	45.99	28.12
16-Apr-08	26.60	16.35	45.15	27.75
17-Apr-08	26.51	16.33	44.97	27.70
18-Apr-08	26.33	16.25	44.54	27.49
21-Apr-08	27.09	16.38	45.75	27.66
22-Apr-08	27.17	16.38	45.97	27.71
23-Apr-08	26.81	16.23	44.85	27.16
24-Apr-08	26.29	16.11	43.84	26.86
25-Apr-08	26.56	16.19	44.42	27.07
28-Apr-08	26.46	16.15	44.11	26.92
29-Apr-08	26.02	16.17	43.36	26.94
30-Apr-08	25.73	16.31	42.60	27.01
01-May-08	25.38	16.14	41.99	26.70
02-May-08	26.22	16.38	43.16	26.96
06-May-08	27.14	16.61	44.33	27.46
07-May-08	26.85	16.63	43.88	27.19
08-May-08	26.71	16.83	43.56	27.45
09-May-08	26.98	17.15	44.27	28.14
12-May-08	27.20	17.21	44.62	28.23
13-May-08	26.83	17.34	44.11	28.51
14-May-08	26.24	17.05	43.42	28.21
15-May-08	26.46	17.13	43.44	28.12
16-May-08	26.64	17.18	43.50	28.04
19-May-08	27.05	17.18	43.99	27.95
20-May-08	27.10	17.19	44.30	28.10
21-May-08	27.48	17.37	45.07	28.48
22-May-08	27.82	17.42	45.74	28.64
23-May-08	27.85	17.43	45.73	28.62
26-May-08	27.79	17.50	45.61	28.72
27-May-08	28.04	17.65	45.89	28.89
28-May-08	27.85	17.58	45.26	28.56
29-May-08	28.23	17.70	45.74	28.68
30-May-08	27.77	17.80	45.17	28.95
02-Jun-08	28.01	17.81	45.58	28.98
03-Jun-08	28.83	18.91	46.82	30.72
04-Jun-08	28.29	18.76	45.63	30.26
05-Jun-08	28.17	18.97	45.84	30.86
06-Jun-08	29.32	19.51	48.02	31.95
09-Jun-08	29.27	19.48	48.17	32.06
10-Jun-08	28.99	19.58	47.36	31.97

11-Jun-08	29.11	19.79	47.81	32.49
12-Jun-08	28.95	19.65	47.77	32.41
13-Jun-08	28.80	19.76	47.12	32.34
16-Jun-08	28.93	19.81	47.60	32.59
17-Jun-08	29.03	19.92	47.69	32.73
18-Jun-08	29.33	20.03	48.12	32.87
19-Jun-08	29.56	20.20	48.17	32.91
20-Jun-08	29.35	20.21	48.06	33.10
23-Jun-08	29.81	20.63	48.62	33.65
24-Jun-08	30.05	21.05	48.99	34.31
25-Jun-08	29.90	20.80	48.87	33.99
26-Jun-08	30.43	21.19	50.14	34.90
27-Jun-08	30.94	21.66	50.86	35.59
30-Jun-08	31.47	22.16	51.72	36.41
01-Jul-08	32.38	23.53	53.60	38.95
02-Jul-08	30.95	24.55	51.05	40.49
03-Jul-08	30.46	23.50	49.77	38.40
04-Jul-08	30.74	24.07	50.08	39.20
07-Jul-08	30.43	25.04	50.01	41.15
08-Jul-08	28.52	23.35	46.78	38.31
09-Jul-08	28.73	23.60	47.32	38.86
10-Jul-08	29.60	23.71	48.54	38.88
11-Jul-08	30.52	24.27	50.31	40.01
14-Jul-08	30.31	24.06	49.60	39.37
15-Jul-08	29.37	23.47	47.72	38.13
16-Jul-08	27.77	22.64	45.09	36.76
17-Jul-08	28.43	23.23	46.43	37.93
18-Jul-08	27.14	22.43	44.30	36.62
21-Jul-08	27.10	22.44	44.17	36.58
22-Jul-08	27.37	22.11	44.47	35.92
23-Jul-08	27.51	21.30	44.86	34.73
24-Jul-08	28.02	21.53	45.77	35.17
25-Jul-08	27.85	21.44	45.70	35.19
28-Jul-08	27.19	20.82	44.74	34.26
29-Jul-08	26.35	20.11	43.12	32.90
30-Jul-08	25.38	19.26	41.90	31.79
31-Jul-08	24.70	18.73	40.88	31.01
01-Aug-08	23.95	18.34	40.07	30.68
04-Aug-08	23.85	18.83	39.97	31.55
05-Aug-08	24.29	19.43	40.99	32.80
06-Aug-08	24.99	19.88	42.39	33.72
07-Aug-08	25.61	20.63	43.29	34.87
08-Aug-08	25.34	20.72	42.79	35.00
11-Aug-08	25.41	20.94	42.89	35.34
12-Aug-08	26.07	21.50	44.46	36.66
13-Aug-08	26.46	21.50	45.08	36.63
14-Aug-08	26.15	21.38	44.47	36.36
15-Aug-08	25.84	21.31	43.77	36.09
18-Aug-08	26.31	21.76	44.56	36.86
19-Aug-08	26.39	21.71	44.74	36.81
20-Aug-08	27.13	21.93	45.81	37.02
21-Aug-08	27.45	22.06	46.45	37.33
22-Aug-08	27.32	21.93	46.56	37.38
25-Aug-08	27.18	21.99	46.43	37.57
26-Aug-08	27.45	22.14	46.98	37.89
27-Aug-08	27.88	22.22	47.80	38.10
28-Aug-08	27.92	22.30	47.63	38.03
29-Aug-08	27.90	22.44	47.66	38.33
01-Sep-08	27.66	22.26	47.49	38.22
02-Sep-08	27.38	21.78	47.36	37.67
03-Sep-08	27.13	21.70	47.07	37.64
04-Sep-08	27.34	21.89	47.53	38.06
05-Sep-08	27.08	21.48	47.40	37.60
08-Sep-08	26.81	21.38	46.38	36.98
09-Sep-08	25.42	20.39	44.80	35.93
10-Sep-08	25.31	20.23	44.25	35.37
11-Sep-08	25.59	20.22	44.54	35.19
12-Sep-08	26.41	20.94	45.62	36.17
15-Sep-08	25.54	20.48	45.25	36.29
16-Sep-08	25.40	20.34	44.86	35.93
17-Sep-08	25.79	20.51	46.50	36.99
18-Sep-08	26.33	20.95	47.02	37.40
19-Sep-08	27.25	21.87	47.25	37.92

22-Sep-08	27.41	21.82	47.87	38.11
23-Sep-08	27.53	21.63	48.34	37.98
24-Sep-08	27.00	21.04	47.36	36.91
25-Sep-08	26.92	20.72	47.10	36.25
26-Sep-08	26.83	20.27	47.19	35.66
29-Sep-08	25.50	19.07	45.89	34.31
30-Sep-08	24.66	19.13	43.91	34.07
01-Oct-08	25.20	19.69	44.78	34.99
02-Oct-08	25.49	20.03	45.49	35.75
03-Oct-08	25.41	19.71	45.19	35.05
06-Oct-08	24.36	18.99	46.67	36.37
07-Oct-08	24.33	19.32	46.39	36.83
08-Oct-08	23.83	19.24	48.22	38.94
09-Oct-08	24.62	20.03	48.25	39.26
10-Oct-08	23.99	19.50	50.17	40.77
13-Oct-08	24.55	19.93	48.77	39.59
14-Oct-08	24.96	20.29	48.77	39.64
15-Oct-08	24.55	19.93	49.25	39.99
16-Oct-08	23.94	19.30	46.93	37.82
17-Oct-08	23.74	19.17	45.97	37.11
20-Oct-08	23.84	18.82	45.25	35.73
21-Oct-08	23.19	18.09	44.45	34.67
22-Oct-08	21.85	16.69	41.80	31.93
23-Oct-08	21.96	17.02	43.13	33.42
24-Oct-08	20.87	16.07	42.37	32.62
27-Oct-08	19.31	15.12	39.84	31.20
28-Oct-08	19.01	15.25	37.63	30.17
29-Oct-08	19.85	15.77	38.24	30.38
30-Oct-08	19.61	15.64	37.32	29.76
31-Oct-08	19.41	15.55	37.01	29.63
03-Nov-08	19.72	15.65	36.77	29.17
04-Nov-08	20.45	16.25	38.16	30.33
05-Nov-08	20.09	15.78	37.70	29.62
06-Nov-08	19.74	15.70	37.66	29.95
07-Nov-08	20.29	16.19	38.30	30.55
10-Nov-08	20.22	16.26	38.46	30.94
11-Nov-08	19.70	15.92	37.58	30.37
12-Nov-08	19.58	16.04	38.34	31.40
13-Nov-08	19.51	16.05	38.05	31.30
14-Nov-08	19.08	15.71	36.85	30.33
17-Nov-08	18.77	15.26	36.34	29.55
18-Nov-08	18.33	14.89	35.59	28.90
19-Nov-08	18.10	14.78	35.14	28.69
20-Nov-08	16.51	13.30	33.44	26.93
21-Nov-08	16.66	13.90	33.62	28.06
24-Nov-08	17.55	14.49	34.90	28.82
25-Nov-08	17.49	14.20	35.13	28.51
26-Nov-08	17.26	14.12	34.18	27.96
27-Nov-08	18.08	14.49	35.29	28.28
28-Nov-08	17.29	14.14	33.52	27.43
01-Dec-08	17.27	14.48	33.73	28.29
02-Dec-08	17.11	14.35	34.00	28.50
03-Dec-08	16.92	14.27	33.33	28.11
04-Dec-08	16.52	13.90	32.76	27.57
05-Dec-08	15.32	13.01	30.46	25.86
08-Dec-08	16.09	13.38	31.43	26.13
09-Dec-08	15.89	13.14	31.20	25.80
10-Dec-08	16.04	13.20	31.76	26.13
11-Dec-08	16.65	13.40	32.86	26.44
12-Dec-08	16.57	13.53	33.62	27.44
15-Dec-08	16.95	13.74	34.82	28.21
16-Dec-08	16.90	13.78	34.44	28.09
17-Dec-08	16.85	13.86	34.44	28.34
18-Dec-08	16.66	13.50	34.06	27.60
19-Dec-08	16.65	13.45	33.83	27.31
22-Dec-08	16.99	13.47	34.46	27.31
23-Dec-08	16.75	13.40	34.33	27.46
24-Dec-08	16.67	13.29	34.18	27.24
29-Dec-08	16.78	13.36	34.17	27.20
30-Dec-08	16.98	13.60	34.67	27.78
31-Dec-08	16.85	13.78	33.27	27.20
02-Jan-09	16.50	13.42	32.34	26.29
05-Jan-09	16.33	13.46	30.97	25.52

06-Jan-09	16.61	13.64	30.99	25.45
07-Jan-09	16.36	13.51	31.30	25.84
08-Jan-09	15.64	12.90	30.23	24.93
09-Jan-09	15.29	12.56	29.16	23.95
12-Jan-09	14.70	12.41	28.68	24.20
13-Jan-09	14.52	12.29	28.90	24.50
14-Jan-09	13.97	11.87	27.87	23.68
15-Jan-09	13.95	11.89	27.64	23.56
16-Jan-09	13.30	11.10	26.39	22.02
19-Jan-09	12.31	10.10	24.05	19.73
20-Jan-09	12.24	10.04	24.20	19.86
21-Jan-09	12.20	10.13	24.02	19.95
22-Jan-09	12.32	10.22	24.32	20.16
23-Jan-09	12.31	10.11	24.33	19.98
26-Jan-09	12.76	10.56	25.40	21.02
27-Jan-09	12.57	10.39	25.03	20.68
28-Jan-09	12.39	10.30	24.41	20.29
29-Jan-09	12.51	10.44	24.79	20.69
30-Jan-09	12.49	10.52	25.13	21.15
02-Feb-09	11.96	10.16	24.31	20.65
03-Feb-09	11.25	9.83	22.45	19.62
04-Feb-09	11.03	9.69	21.93	19.27
05-Feb-09	10.79	9.57	21.17	18.77
06-Feb-09	10.66	9.39	20.43	17.99
09-Feb-09	10.64	9.34	20.37	17.89
10-Feb-09	9.89	8.70	19.49	17.15
11-Feb-09	9.03	7.81	17.80	15.38
12-Feb-09	8.74	7.55	17.26	14.90
13-Feb-09	9.26	8.06	18.10	15.77
16-Feb-09	9.02	7.91	17.74	15.55
17-Feb-09	9.27	8.14	18.30	16.07
18-Feb-09	10.30	8.98	20.27	17.66
19-Feb-09	11.55	9.97	22.65	19.56
20-Feb-09	10.68	9.00	21.19	17.85
23-Feb-09	10.31	8.72	20.37	17.22
24-Feb-09	10.07	8.39	19.90	16.58
25-Feb-09	10.50	8.86	20.69	17.48
26-Feb-09	11.43	9.61	22.37	18.80
27-Feb-09	10.92	9.02	21.53	17.79
02-Mar-09	10.92	9.38	21.71	18.65
03-Mar-09	11.89	10.10	23.31	19.81
04-Mar-09	12.60	10.73	24.52	20.87
05-Mar-09	12.60	10.52	24.77	20.66
06-Mar-09	11.79	10.18	23.34	20.15
09-Mar-09	12.70	10.82	25.31	21.56
10-Mar-09	13.06	11.23	25.73	22.12
11-Mar-09	12.82	10.89	25.30	21.49
12-Mar-09	13.11	11.08	25.86	21.85
13-Mar-09	13.56	11.46	26.61	22.49
16-Mar-09	13.86	11.74	27.21	23.04
17-Mar-09	14.300	12.030	28.13	23.66
18-Mar-09	13.713	11.553	27.14	22.87
19-Mar-09	12.845	10.910		
20-Mar-09	12.308	10.503		
23-Mar-09	13.065	11.095		
24-Mar-09	12.385	10.455		
25-Mar-09	11.715	9.863		
26-Mar-09	12.068	10.055		
27-Mar-09	12.343	10.350		
31-Mar-09	12.923	10.753		
2-Apr-09	13.225	10.800		
3-Apr-09	13.618	10.998		
6-Apr-09	13.765	10.730		
7-Apr-09	13.398	10.388		
8-Apr-09	13.886	10.576		
9-Apr-09	14.463	10.890		
14-Apr-09	15.375	11.150		
15-Apr-09	14.978	11.185		
16-Apr-09	14.980	11.223		
17-Apr-09	14.865	11.228		
20-Apr-09	14.145	11.078		
21-Apr-09	14.268	11.185		
22-Apr-09	14.645	11.340		

23-Apr-09	14.530	11.568
24-Apr-09	14.850	11.750
27-Apr-09	14.710	11.750
29-Apr-09	14.813	11.778
30-Apr-09	15.328	11.848
1-May-09	15.425	11.993
5-May-09	15.248	11.925
6-May-09	15.665	12.158
7-May-09	15.908	12.218
8-May-09	16.713	12.730
11-May-09	17.055	13.080
12-May-09	16.250	12.385
13-May-09	15.843	12.268
14-May-09	15.556	12.120
15-May-09	15.173	11.805
18-May-09	15.513	11.983
19-May-09	15.778	12.260
20-May-09	16.358	12.818
21-May-09	16.115	12.565
22-May-09	16.303	12.805
25-May-09	16.115	12.805
26-May-09	16.115	12.810
27-May-09	16.323	12.983
28-May-09	16.215	12.993
29-May-09	15.940	12.968
1-Jun-09	16.215	13.008
2-Jun-09	15.988	12.825
3-Jun-09	15.295	12.330
4-Jun-09	15.210	12.456
5-Jun-09	15.143	12.245
8-Jun-09	14.328	11.660
9-Jun-09	14.123	11.580
10-Jun-09	14.295	11.680
11-Jun-09	14.413	11.720
12-Jun-09	14.043	11.328
15-Jun-09	13.345	10.773
16-Jun-09	13.973	11.218
17-Jun-09	13.933	11.265
18-Jun-09	13.863	11.165
19-Jun-09	14.328	11.588
22-Jun-09	13.928	11.240
23-Jun-09	14.010	11.428
24-Jun-09	14.308	11.710
25-Jun-09	14.463	11.898
26-Jun-09	14.428	11.803
29-Jun-09	14.608	12.070
30-Jun-09	14.278	11.793
1-Jul-09	14.235	11.930
2-Jul-09	14.058	11.885
3-Jul-09	13.980	11.928
6-Jul-09	14.010	11.900
7-Jul-09	14.150	11.978
8-Jul-09	14.433	11.978
9-Jul-09	14.848	12.028
10-Jul-09	15.038	12.140
13-Jul-09	15.730	12.695
14-Jul-09	15.293	12.408
15-Jul-09	15.553	12.823
16-Jul-09	15.558	13.043
17-Jul-09	15.113	12.833
20-Jul-09	15.168	12.900
21-Jul-09	15.505	12.843
22-Jul-09	15.398	12.758
23-Jul-09	15.438	12.770
24-Jul-09	15.305	12.795
27-Jul-09	15.118	12.728
28-Jul-09	14.768	12.465
29-Jul-09	14.565	12.228
30-Jul-09	14.725	12.243
31-Jul-09	14.688	12.188
3-Aug-09	15.410	12.508
4-Aug-09	15.610	12.780
5-Aug-09	15.330	12.563

6-Aug-09	15.335	12.830
7-Aug-09	15.275	12.838
10-Aug-09	15.133	12.575
11-Aug-09	15.098	12.565
12-Aug-09	15.290	12.810
13-Aug-09	15.263	12.595
14-Aug-09	15.280	12.895
17-Aug-09	15.393	12.768
18-Aug-09	15.675	12.965
19-Aug-09	15.823	13.065
20-Aug-09	16.035	13.185
21-Aug-09	16.303	13.258
24-Aug-09	16.120	13.260
25-Aug-09	16.115	13.315
26-Aug-09	16.045	13.328
27-Aug-09	16.020	13.300
28-Aug-09	16.050	13.315
31-Aug-09	15.775	13.255
1-Sep-09	15.710	13.255
2-Sep-09	15.920	13.235
3-Sep-09	16.225	13.440
4-Sep-09	16.053	13.433
7-Sep-09	16.178	13.453
8-Sep-09	16.280	13.490
9-Sep-09	15.998	13.315
10-Sep-09	15.910	13.203
11-Sep-09	15.350	12.785
14-Sep-09	14.665	12.096
15-Sep-09	15.010	12.473
16-Sep-09	14.808	12.375
17-Sep-09	14.695	12.375
18-Sep-09	14.348	12.140
21-Sep-09	14.668	12.380
22-Sep-09	14.440	12.180
23-Sep-09	13.998	11.798
24-Sep-09	13.463	11.458
25-Sep-09	13.755	11.825
28-Sep-09	14.168	11.700
29-Sep-09	13.778	11.415
30-Sep-09	14.033	11.638

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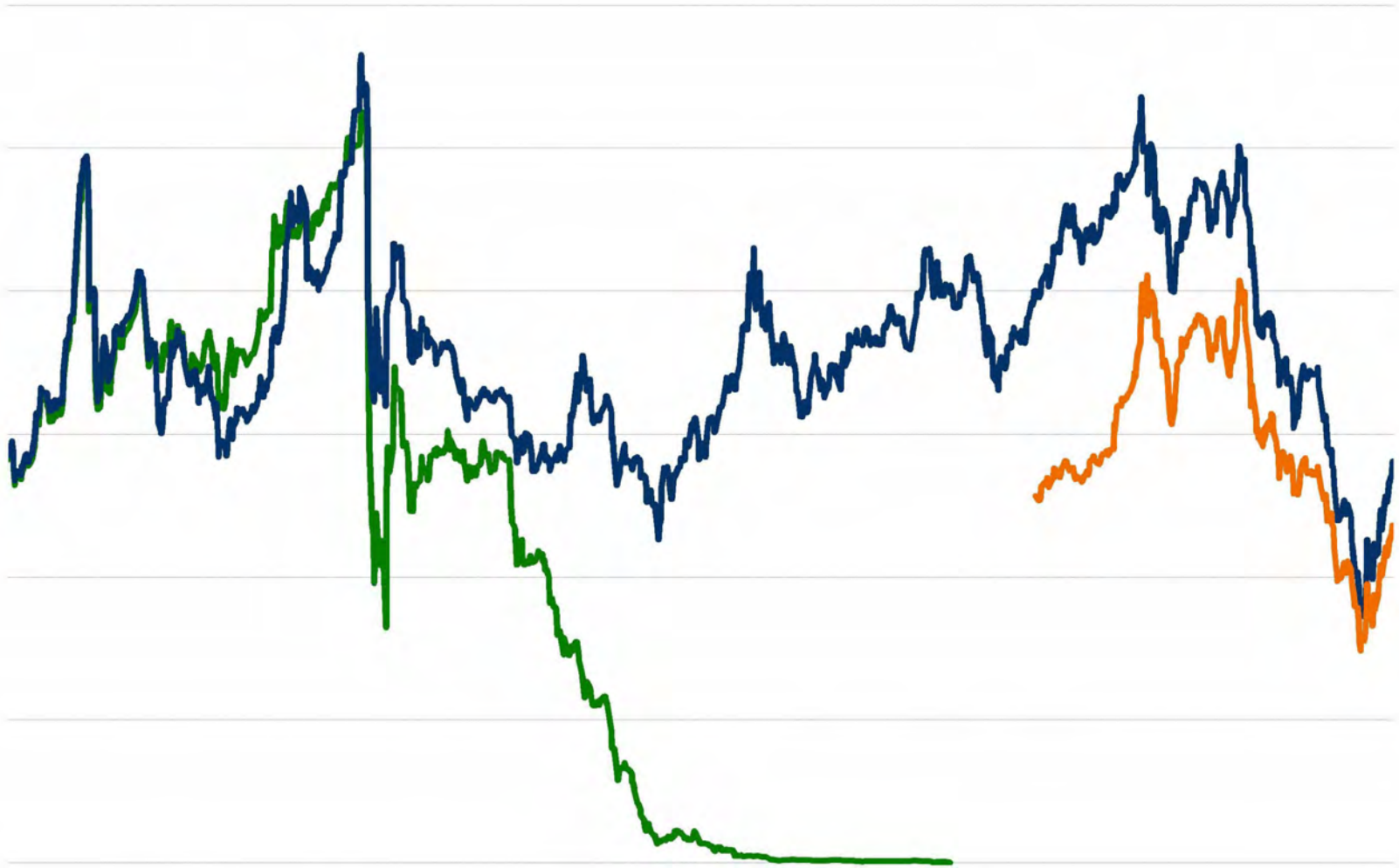

From: Ishwar Saini
To: Tisdale, Matthew
Sent: 5/18/2011 1:42:16 PM
Subject: Thank you
Attachments: FIEG Presentation to CPUC Final.ppt

Matt,

Thank you for your time yesterday to discuss Risk management in California's renewable energy markets.

FIEG appreciates the opportunity and look forward to working with you and Comm. Florio's team on some of the regulatory policy proceedings.

Attached is the final presentation for your records. Feel free to contact us for any questions.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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FIEG Presentation to CPUC

Comm. Florio and Comm. Ferron

May 17, 2011

Disclaimer

- Information presented here is meant to be informational and not necessarily accurate for all FIEG members.

FIEG

- Financial Institution Energy Group (FIEG) is comprised of investment and commercial banks
- Its members and their affiliates play a number of roles in California's wholesale power, natural gas, and renewable markets
- Members act as marketers, lenders, underwriters of debt and equity securities, and proprietary investors
- FERC has authorized FIEG's power-marketer members to sell energy, capacity, and AS at market based rates

FIEG Expertise

- FIEG members bring financial, physical, and risk management expertise to energy and environmental markets
- Active participants in global & national energy, renewable, and emissions markets
- Manage risk for clients in a dynamically changing regulatory and market environment
- Offerings with integrated energy, emissions, and financial products to clients

California's energy/environmental landscape

- Inherently complex with multiple regulatory institutions
- Markets are sensitive to respective regulatory policies, e.g.
  - CPUC's TREC decision
  - ARB Cap & Trade and Reporting regulations
  - CEC and REC eligibility
  - Legislative: RPS SB SBx1_2
- Regulatory policies have direct impact on investments, market prices, costs, and risk perception
- California markets remain a work in progress

Regulatory developments and risk assessment

- FIEG members monitor and manage regulatory and market risks
- Perceived high risk adds premium to deal prices with implications on liquidity, volatility, and potential investments
- On the contrary, reduced regulatory risk increases market liquidity and improves investment environment
- California's renewable energy markets are nascent and changing rapidly
  - High regulatory risk impedes both instate and out of state project financing
  - Creates reluctance for long term deal structures required for financing new infrastructure
  - Introduces uncertainties in grid operation planning, and market outcomes

Managing policy and regulatory risks

- Structured deals
- Project financing
  - Debt and equity
- Project development
- Regulatory advocacy and advisory
- Market liquidity
  - Trading and flow sales
  - Odd-lot liquidity

Typical examples of structured transactions

- Firming and shaping
- REC deals
- Carbon hedging
- Prepays
- Credit sleeves
- Tolling agreements
- PPAs
- Exhaustive/Dynamic contracts

Potential impact of regulatory policies

- Long term
  - Investments, risk, and returns in energy and environmental infrastructure
  - Long term hedging for both producers and consumers
- Medium term
  - Operational planning and policies
  - Impact on three to five year market environment
    - On most liquid term
  - Drives political and legislative initiatives
- Short term
  - Prices in regulatory driven markets (GHG allowances)
  - Impact on future price curves
  - Hedging costs and premiums

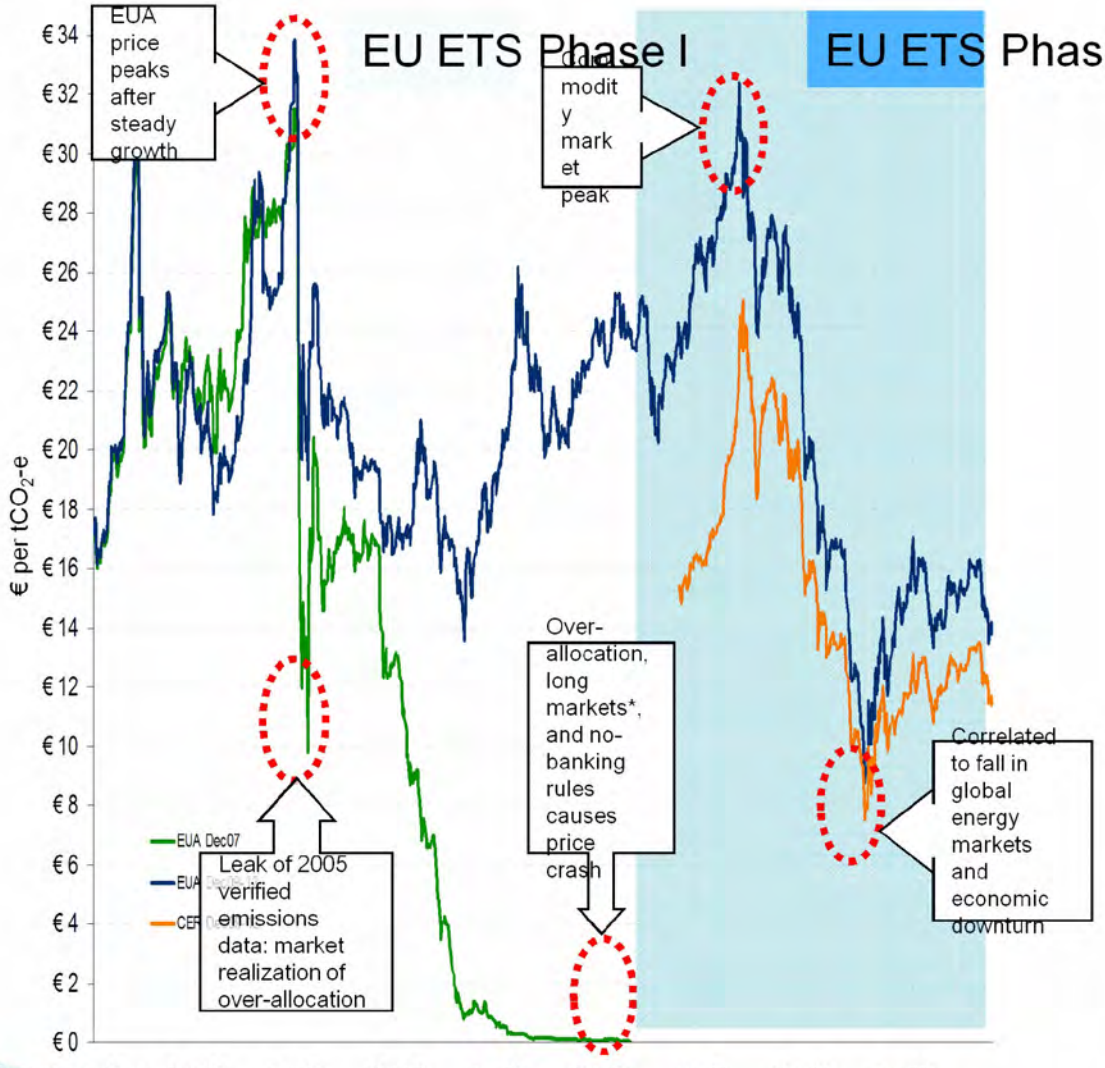
How regulatory policies impact markets?:
Forward Settled HR SP15 ONPEAK

Source: Intercontinental Exchange

Contd.. Impact of Allowance allocation on European Carbon ETS allowances

THE PRICE OF EUAs EXPERIENCED SIGNIFICANT VOLATILITY

Price evolution during the EU ETS has represented the market's view about the level of the carbon constraint, and the effort required to comply with it. It has interacted dynamically with fuel and weather markets, as well as expectations about economic growth.



Sources: ECX, Bloomberg

* Program created more allowances than there were actual emission

Recommendations

- Recommendations for nurturing renewables and environmental markets with manageable risk
  - Stable policies and rules
  - Non discriminatory regulations
  - Standardization of products and services
  - Market oriented regulatory environment
  - Integrated view of conventional power, renewables, and environmental markets
  - Effective end-user protection

FIEG members continue to add value

- FIEG members reduce risk, manage volatility, stabilize markets, and reduce costs for long terms benefits to ratepayers and consumers (e.g. providing quotes on large, small, or long-dated obligation hedges.)
- FIEG members bring national and international best industry practices to California's energy and environment industries
- In short, FIEG members manage risks in the renewable markets benefiting producers and consumers in the energy and environment value chain.

Latest date 3/18/2009

EUA

Date	Dec07	Dec08	Dec09	Dec10	Dec11	Dec12	EURAUD	EUR Avg	AUD Avg
22 Apr 05	16.95	17.00	17.05	17.10	17.15	17.20	1.67	17.08	28.50483
25 Apr 05	17.55	17.60	17.65	17.70	17.75	17.80	1.67	17.68	29.45995
26 Apr 05	17.20	17.25	17.30	17.35	17.40	17.45	1.67	17.33	28.88999
27 Apr 05	16.45	16.50	16.55	16.60	16.65	16.70	1.67	16.58	27.60976
28 Apr 05	16.00	16.10	16.10	16.15	16.20	16.25	1.65	16.13	26.69293
29 Apr 05	16.50	16.55	16.60	16.65	16.70	16.75	1.65	16.63	27.38149
03 May 05	16.25	16.30	16.35	16.40	16.45	16.50	1.66	16.38	27.25156
04 May 05	16.20	16.25	16.30	16.35	16.40	16.45	1.66	16.33	27.06684
05 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.66	16.73	27.74784
06 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.65	16.73	27.64018
09 May 05	17.00	17.05	17.10	17.15	17.20	17.25	1.66	17.13	28.48462
10 May 05	17.10	17.15	17.20	17.25	17.30	17.35	1.66	17.23	28.56019
11 May 05	16.90	16.95	17.00	17.05	17.10	17.15	1.65	17.03	28.14328
12 May 05	16.75	16.80	16.85	16.90	16.95	17.00	1.66	16.88	27.98616
13 May 05	16.80	17.00	17.05	17.10	17.15	17.20	1.66	17.05	28.28752
16 May 05	16.90	17.00	17.05	17.10	17.15	17.20	1.67	17.07	28.52631
17 May 05	17.20	17.40	17.45	17.50	17.55	17.60	1.67	17.45	29.09861
18 May 05	17.45	17.65	17.70	17.75	17.80	17.85	1.66	17.70	29.46153
19 May 05	18.00	18.10	18.15	18.20	18.25	18.30	1.67	18.17	30.28512
20 May 05	18.75	18.80	18.85	18.90	18.95	19.00	1.66	18.88	31.36366
23 May 05	18.50	18.75	18.80	18.90	19.00	19.10	1.66	18.84	31.20787
24 May 05	19.10	19.20	19.30	19.35	19.40	19.50	1.65	19.31	31.81261
25 May 05	19.95	20.00	20.05	20.10	20.15	20.20	1.65	20.08	33.18094
26 May 05	19.75	19.90	19.95	20.00	20.05	20.10	1.65	19.96	32.88223
27 May 05	19.65	19.85	19.90	19.95	20.00	20.05	1.65	19.90	32.78724
31 May 05	19.90	20.05	20.10	20.15	20.20	20.25	1.63	20.11	32.76718
01 Jun 05	19.60	19.70	19.75	19.80	19.85	19.90	1.63	19.77	32.23564
02 Jun 05	19.50	19.70	19.75	19.80	19.90	20.00	1.63	19.78	32.1553
03 Jun 05	19.10	19.35	19.45	19.50	19.60	19.65	1.62	19.44	31.41738
06 Jun 05	19.30	19.60	19.65	19.75	19.80	19.90	1.60	19.67	31.52403
07 Jun 05	19.60	19.90	20.00	20.10	20.20	20.30	1.60	20.02	31.98079
08 Jun 05	19.80	20.00	20.10	20.20	20.30	20.40	1.60	20.13	32.18545
09 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.67832
10 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.64802
13 Jun 05	19.85	20.15	20.25	20.30	20.40	20.45	1.59	20.23	32.18945
14 Jun 05	19.90	20.20	20.30	20.40	20.50	20.55	1.58	20.31	32.00852
15 Jun 05	20.10	20.20	20.30	20.40	20.50	20.60	1.57	20.35	32.01734
16 Jun 05	20.60	20.65	20.75	20.80	20.90	20.95	1.56	20.78	32.5092
17 Jun 05	21.50	21.60	21.70	21.80	21.90	22.00	1.58	21.75	34.34783
20 Jun 05	22.95	23.10	23.20	23.30	23.40	23.50	1.57	23.24	36.37411
21 Jun 05	23.00	23.20	23.30	23.45	23.55	23.70	1.56	23.37	36.44167
22 Jun 05	23.20	23.30	23.40	23.50	23.60	23.70	1.56	23.45	36.51245
23 Jun 05	23.40	23.50	23.65	23.75	23.90	24.00	1.56	23.70	36.92432
24 Jun 05	24.00	24.05	24.15	24.25	24.35	24.45	1.57	24.21	38.06438
27 Jun 05	23.95	24.05	24.15	24.25	24.35	24.45	1.58	24.20	38.24067
28 Jun 05	24.50	24.65	24.75	24.85	24.95	25.05	1.58	24.79	39.21032
29 Jun 05	25.45	25.60	25.75	25.85	25.00	26.15	1.58	25.80	40.86272
30 Jun 05	25.80	26.00	26.20	26.40	26.60	26.80	1.59	26.30	41.80991
01 Jul 05	26.90	27.10	27.25	27.40	27.55	27.70	1.59	27.32	43.49319
04 Jul 05	29.45	29.60	29.70	29.85	29.95	30.10	1.59	29.78	47.27397

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Date	Dec08	Dec09	Dec10	Dec11	Dec12	Mar09	EURAUD	EUR Avg	AUD Avg
3/14/2008	16.30	15.45	15.25	15.35	15.50		1.67	15.57	26.03379
3/17/2008	15.65	14.90	14.70	14.70	15.00		1.71	14.99	25.66958
3/18/2008	15.85	15.10	14.90	14.95	15.20		1.69	15.20	25.72161
3/19/2008	15.90	15.10	14.85	14.90	15.10		1.71	15.17	25.8667
3/20/2008	16.28	15.45	15.23	15.25	15.48		1.71	15.54	26.64257
3/25/2008	16.55	15.75	15.55	15.70	15.90		1.70	15.89	27.04941
3/26/2008	16.42	15.72	15.45	15.60	15.88		1.72	15.81	27.23427
3/27/2008	15.75	15.45	15.42	15.58	15.84		1.71	15.61	26.75535
3/28/2008	15.36	15.15	15.17	15.30	15.63		1.72	15.32	26.34654
3/31/2008	15.43	15.25	15.43	15.61	15.88		1.73	15.52	26.81391
4/1/2008	15.40	15.28	15.45	15.70	16.00		1.72	15.57	26.8197
4/2/2008	15.95	15.78	15.93	16.20	16.55		1.72	16.08	27.58416
4/3/2008	15.90	15.70	15.85	16.35	16.70		1.71	16.10	27.52225
4/4/2008	15.88	15.75	15.88	16.23	16.55		1.70	16.08	27.40592
4/7/2008	15.90	15.70	15.90	16.30	16.70		1.70	16.10	27.29241
4/8/2008	15.75	15.55	15.75	16.15	16.55		1.69	15.95	26.93378
4/9/2008	15.84	15.55	15.72	16.15	16.55		1.70	15.96	27.20175
4/10/2008	16.30	15.85	16.19	16.55	16.95		1.69	16.37	27.63277
4/11/2008	16.16	15.91	16.05	16.40	16.80		1.70	16.26	27.67633
4/14/2008	16.40	16.06	16.25	16.60	17.05		1.71	16.47	28.14984
4/15/2008	16.40	16.10	16.20	16.55	17.00		1.71	16.45	28.09772
4/16/2008	16.30	16.00	16.13	16.40	16.85		1.70	16.34	27.73363
4/17/2008	16.25	15.90	16.05	16.40	16.95		1.70	16.31	27.67039
4/18/2008	16.15	15.85	16.00	16.35	16.80		1.69	16.23	27.45695
4/21/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.63261
4/22/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.68231
4/23/2008	16.08	15.83	15.95	16.35	16.80		1.67	16.20	27.1062
4/24/2008	16.00	15.68	15.90	16.21	16.65		1.67	16.09	26.82612
4/25/2008	16.00	15.70	16.00	16.30	16.75		1.67	16.15	27.01032
4/28/2008	15.95	15.70	15.95	16.25	16.70		1.67	16.11	26.85596
4/29/2008	15.97	15.72	15.97	16.27	16.72		1.67	16.13	26.87543
4/30/2008	16.07	15.90	16.25	16.45	16.85		1.66	16.26	26.92603
5/1/2008	16.04	15.63	15.88	16.33	16.70		1.65	16.12	26.66979
5/2/2008	16.40	16.05	16.20	16.45	16.80		1.65	16.38	26.96659
5/6/2008	16.85	16.50	16.65	16.85	17.25		1.63	16.82	27.47647
5/7/2008	16.59	16.26	16.41	16.61	17.25		1.63	16.62	27.1738
5/8/2008	16.61	16.40	16.60	16.90	17.42		1.63	16.79	27.37368
5/9/2008	16.89	16.70	16.90	17.23	17.75		1.64	17.09	28.05398
5/12/2008	17.00	16.70	17.00	17.30	17.85		1.64	17.17	28.16368
5/13/2008	17.15	16.90	17.10	17.40	17.95		1.64	17.30	28.44445
5/14/2008	16.85	16.50	16.80	17.10	17.80		1.65	17.01	28.14505
5/15/2008	16.90	16.60	16.90	17.20	17.80		1.64	17.08	28.04444
5/16/2008	17.00	16.65	16.95	17.25	17.85		1.63	17.14	27.98424
5/19/2008	17.05	16.78	16.88	17.27	17.80		1.63	17.16	27.9045
5/20/2008	17.10	16.75	16.94	17.25	17.83		1.63	17.17	28.07314
5/21/2008	17.33	17.03	17.15	17.35	17.95		1.64	17.36	28.47143
5/22/2008	17.38	17.05	17.10	17.50	18.03		1.64	17.41	28.62782
5/23/2008	17.35	17.02	17.20	17.50	18.00		1.64	17.41	28.59356
5/26/2008	17.28	17.00	17.30	17.55	18.15		1.64	17.46	28.65123
5/27/2008	17.60	17.25	17.35	17.65	18.35		1.64	17.64	28.86966

05 Jul 05	28.85	29.00	29.10	29.25	29.35	29.50	1.61	29.18	46.83225
06 Jul 05	29.30	29.55	29.70	29.85	30.00	30.15	1.61	29.76	47.89828
07 Jul 05	29.40	29.65	29.80	29.95	30.10	30.25	1.61	29.86	48.16323
08 Jul 05	29.70	30.00	30.20	30.40	30.60	30.80	1.61	30.28	48.82836
11 Jul 05	29.90	30.15	30.35	30.55	30.75	30.95	1.61	30.44	49.13565
12 Jul 05	29.45	29.65	29.80	29.95	30.10	30.25	1.62	29.87	48.27566
13 Jul 05	27.95	28.15	28.25	28.35	28.45	28.55	1.61	28.28	45.59051
14 Jul 05	24.00	24.15	24.30	24.45	24.60	24.75	1.61	24.38	39.16499
15 Jul 05	24.30	24.50	24.65	24.85	25.00	25.20	1.61	24.75	39.74165
18 Jul 05	24.70	25.00	25.05	25.10	25.15	25.20	1.60	25.03	40.04043
19 Jul 05	24.55	24.70	24.80	24.90	25.00	25.05	1.60	24.83	39.7747
20 Jul 05	20.90	21.25	21.45	21.65	21.85	22.05	1.61	21.53	34.5981
21 Jul 05	20.35	20.60	20.85	21.10	21.30	21.55	1.59	20.96	33.31636
22 Jul 05	20.10	20.25	20.35	20.40	20.50	20.55	1.58	20.36	32.13624
25 Jul 05	20.15	20.40	20.55	20.75	20.90	21.10	1.58	20.64	32.64407
26 Jul 05	20.80	21.00	21.20	21.40	21.60	21.80	1.58	21.30	33.75073
27 Jul 05	22.05	22.25	22.40	22.50	22.65	22.75	1.60	22.43	35.81247
28 Jul 05	22.05	22.25	22.35	22.50	22.60	22.75	1.60	22.42	35.80124
29 Jul 05	22.35	22.55	22.70	22.90	23.05	23.25	1.60	22.80	36.49642
01 Aug 05	21.45	21.65	21.80	22.00	22.20	22.40	1.60	21.92	35.04349
02 Aug 05	20.70	20.95	21.05	21.10	21.20	21.25	1.59	21.04	33.52246
03 Aug 05	20.70	20.90	21.10	21.30	21.50	21.70	1.60	21.20	33.86237
04 Aug 05	20.50	20.70	20.90	21.10	21.30	21.50	1.60	21.00	33.64283
05 Aug 05	21.25	21.45	21.55	21.70	21.80	21.95	1.61	21.62	34.75114
08 Aug 05	21.75	21.95	22.05	22.20	22.30	22.45	1.62	22.12	35.74664
09 Aug 05	22.45	22.65	22.75	22.90	23.00	23.15	1.62	22.82	37.07299
10 Aug 05	22.45	22.60	22.80	22.95	23.15	23.30	1.62	22.88	36.95691
11 Aug 05	22.55	22.85	23.05	23.25	23.45	23.65	1.61	23.13	37.20048
12 Aug 05	22.80	23.00	23.10	23.20	23.30	23.40	1.61	23.13	37.21915
15 Aug 05	22.40	22.60	22.75	22.90	23.05	23.20	1.61	22.82	36.70811
16 Aug 05	22.45	22.65	22.80	22.95	23.10	23.25	1.61	22.87	36.72297
17 Aug 05	22.80	23.00	23.15	23.35	23.50	23.70	1.61	23.25	37.48636
18 Aug 05	22.75	22.95	23.05	23.25	23.45	23.65	1.62	23.18	37.48815
19 Aug 05	22.90	23.05	23.20	23.30	23.45	23.55	1.62	23.24	37.61642
22 Aug 05	23.05	23.25	23.40	23.55	23.70	23.85	1.62	23.47	38.01957
23 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	37.94946
24 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	38.05781
25 Aug 05	23.35	23.50	23.60	23.70	23.80	23.90	1.62	23.64	38.28517
30 Aug 05	23.65	23.85	24.05	24.20	24.40	24.55	1.63	24.12	39.39254
31 Aug 05	23.95	24.10	24.25	24.40	24.55	24.70	1.64	24.33	39.78545
01 Sep 05	24.40	24.60	24.75	24.90	25.05	25.20	1.64	24.82	40.66722
02 Sep 05	24.75	24.90	25.05	25.20	25.35	25.50	1.64	25.13	41.14481
05 Sep 05	24.75	24.95	25.10	25.25	25.40	25.55	1.63	25.17	41.09002
06 Sep 05	24.65	24.80	24.95	25.05	25.20	25.30	1.62	24.99	40.57035
07 Sep 05	24.70	24.90	25.00	25.15	25.30	25.45	1.62	25.08	40.65114
08 Sep 05	24.35	24.45	24.55	24.65	24.75	24.85	1.60	24.60	39.45955
09 Sep 05	23.75	23.90	24.00	24.15	24.25	24.40	1.60	24.08	38.57365
12 Sep 05	22.25	22.40	22.50	22.60	22.70	22.80	1.60	22.54	35.96014
13 Sep 05	21.75	21.85	21.95	22.05	22.15	22.25	1.60	22.00	35.11667
14 Sep 05	22.45	22.45	22.55	22.65	22.75	22.85	1.59	22.62	36.00218
15 Sep 05	22.70	22.65	22.80	22.90	23.00	23.10	1.59	22.86	36.44426
16 Sep 05	22.05	22.10	22.20	22.30	22.40	22.50	1.59	22.26	35.46713
19 Sep 05	22.60	22.70	22.80	22.90	23.00	23.10	1.58	22.85	36.19789
20 Sep 05	22.05	21.95	22.25	22.35	22.45	22.55	1.58	22.27	35.22094
21 Sep 05	22.00	20.50	20.65	20.75	20.85	21.00	1.58	20.96	33.20776
22 Sep 05	22.30	20.50	20.60	20.70	20.80	20.90	1.59	20.97	33.39308
23 Sep 05	22.05	19.00	19.15	19.30	19.45	19.60	1.59	19.76	31.41937
26 Sep 05	21.60	18.50	18.65	18.80	18.95	19.10	1.59	19.27	30.72641
27 Sep 05	22.05	19.05	19.15	19.25	19.35	19.45	1.59	19.72	31.32357
28 Sep 05	22.75	20.00	20.10	20.20	20.30	20.40	1.59	20.63	32.70742
29 Sep 05	22.90	20.00	20.10	20.20	20.30	20.40	1.58	20.65	32.68765
30 Sep 05	22.85	20.35	20.45	20.55	20.65	20.75	1.58	20.93	32.99531
03 Oct 05	22.75	20.70	20.70	20.80	20.90	21.00	1.56	21.14	32.98707
04 Oct 05	23.30	21.55	21.65	21.75	21.85	21.95	1.56	22.01	34.33943
05 Oct 05	23.80	22.00	22.05	22.10	22.15	22.20	1.58	22.38	35.3851

5/28/2008	17.65	17.20	17.30	17.60	18.20		1.63	17.59	28.58861
5/29/2008	17.83	17.38	17.41	17.75	18.25		1.62	17.72	28.72153
5/30/2008	17.85	17.45	17.50	17.85	18.40		1.63	17.81	28.96706
6/2/2008	17.93	17.45	17.51	17.87	18.41		1.63	17.83	29.0184
6/3/2008	19.04	18.55	18.60	19.00	19.50		1.62	18.94	30.76058
6/4/2008	19.15	18.60	18.50	18.80	19.15		1.61	18.84	30.38534
6/5/2008	19.45	18.85	18.73	18.90	19.40		1.63	19.07	31.0202
6/6/2008	20.38	19.57	19.35	19.30	19.80		1.64	19.68	32.23193
6/9/2008	20.33	19.50	19.30	19.40	19.73		1.65	19.65	32.34236
6/10/2008	20.15	19.55	19.40	19.55	19.80		1.63	19.69	32.16084
6/11/2008	20.20	19.69	19.60	19.75	20.10		1.64	19.87	32.63062
6/12/2008	20.10	19.50	19.50	19.63	19.95		1.65	19.74	32.56302
6/13/2008	20.15	19.65	19.60	19.75	20.05		1.64	19.84	32.4627
6/16/2008	20.20	19.70	19.65	19.80	20.10		1.65	19.89	32.72161
6/17/2008	20.29	19.84	19.75	19.90	20.20		1.64	20.00	32.85379
6/18/2008	20.43	20.06	19.90	19.91	20.26		1.64	20.11	33.0012
6/19/2008	20.43	20.19	20.05	20.10	20.45		1.63	20.24	32.98684
6/20/2008	20.21	20.23	20.06	20.16	20.40		1.64	20.21	33.09493
6/23/2008	20.35	20.42	20.50	20.62	20.98		1.63	20.57	33.56139
6/24/2008	20.41	20.68	20.85	21.10	21.55		1.63	20.92	34.10699
6/25/2008	20.10	20.40	20.60	20.85	21.35		1.63	20.66	33.76282
6/26/2008	20.32	20.71	20.97	21.28	21.78		1.65	21.01	34.61987
6/27/2008	20.57	21.04	21.34	21.81	22.43		1.64	21.44	35.23612
6/30/2008	20.90	21.47	21.80	22.35	23.00		1.64	21.90	35.99344
7/1/2008	21.91	22.64	23.09	23.73	24.67		1.66	23.21	38.4178
7/2/2008	22.34	23.37	24.05	24.91	25.85		1.65	24.10	39.76223
7/3/2008	21.30	22.25	22.92	23.89	24.93		1.63	23.06	37.6827
7/4/2008	21.90	22.83	23.50	24.45	25.48		1.63	23.63	38.49733
7/7/2008	22.94	23.88	24.51	25.42	26.34		1.64	24.62	40.45862
7/8/2008	21.54	22.23	22.82	23.70	24.65		1.64	22.99	37.71421
7/9/2008	21.80	22.49	23.05	23.85	24.99		1.65	23.24	38.27205
7/10/2008	22.05	22.65	23.16	24.03	25.01		1.64	23.38	38.3362
7/11/2008	22.54	23.29	23.70	24.59	25.50		1.65	23.92	39.43592
7/14/2008	22.45	23.10	23.55	24.30	25.30		1.64	23.74	38.84246
7/15/2008	21.95	22.64	22.94	23.70	24.60		1.62	23.17	37.63347
7/16/2008	21.25	21.90	22.24	22.80	23.63		1.62	22.36	36.30827
7/17/2008	21.85	22.50	22.85	23.35	24.21		1.63	22.95	37.48021
7/18/2008	21.11	21.76	22.04	22.54	23.39		1.63	22.17	36.18428
7/21/2008	21.10	21.78	22.06	22.54	23.38		1.63	22.17	36.14461
7/22/2008	20.80	21.47	21.74	22.24	22.99		1.62	21.85	35.49862
7/23/2008	20.03	20.67	20.94	21.41	22.18		1.63	21.05	34.31557
7/24/2008	20.27	20.93	21.16	21.61	22.40		1.63	21.27	34.75638
7/25/2008	20.12	20.84	21.14	21.52	22.26		1.64	21.18	34.75286
7/28/2008	19.52	20.24	20.51	20.97	21.56		1.65	20.56	33.82917
7/29/2008	18.95	19.56	19.81	20.21	20.85		1.64	19.88	32.52062
7/30/2008	18.25	18.87	19.05	19.30	19.80		1.65	19.05	31.4569
7/31/2008	17.72	18.31	18.48	18.83	19.30		1.66	18.53	30.67213
8/1/2008	17.44	18.03	18.10	18.44	18.90		1.67	18.16	30.38285
8/4/2008	18.14	18.64	18.70	18.88	19.08		1.68	18.69	31.32222
8/5/2008	18.60	19.16	19.19	19.53	19.84		1.69	19.26	32.5153
8/6/2008	18.59	19.25	19.49	20.04	20.74		1.70	19.62	33.2857
8/7/2008	19.20	19.94	20.20	20.77	21.59		1.69	20.34	34.38914
8/8/2008	19.27	20.02	20.34	20.89	21.64		1.69	20.43	34.50889
8/11/2008	19.45	20.22	20.54	21.09	21.90		1.69	20.64	34.83617
8/12/2008	19.96	20.76	21.10	21.68	22.44		1.71	21.19	36.13817
8/13/2008	19.85	20.68	21.13	21.69	22.50		1.70	21.17	36.0658
8/14/2008	19.71	20.54	21.00	21.60	22.39		1.70	21.05	35.79099
8/15/2008	19.67	20.48	20.93	21.51	22.31		1.69	20.98	35.53797
8/18/2008	20.14	20.96	21.37	21.95	22.77		1.69	21.44	36.31248
8/19/2008	20.11	20.91	21.32	21.90	22.71		1.70	21.39	36.27181
8/20/2008	20.32	21.13	21.54	22.11	22.93		1.69	21.61	36.47898
8/21/2008	20.45	21.25	21.68	22.24	23.07		1.69	21.74	36.78447
8/22/2008	20.34	21.13	21.55	22.10	22.94		1.70	21.61	36.83896
8/25/2008	20.40	21.20	21.60	22.15	23.00		1.71	21.67	37.02394
8/26/2008	20.56	21.36	21.76	22.29	23.13		1.71	21.82	37.34895

06 Oct 05	23.60	22.55	22.60	22.65	22.70	22.75	1.61	22.81	36.61587
07 Oct 05	23.05	21.90	22.00	22.05	22.10	22.20	1.60	22.22	35.59438
10 Oct 05	23.05	22.25	22.60	22.70	22.80	22.90	1.59	22.72	36.11506
11 Oct 05	23.15	22.40	22.45	22.60	22.75	22.90	1.59	22.71	36.18844
12 Oct 05	23.50	22.70	22.80	22.95	23.10	23.25	1.59	23.05	36.68919
13 Oct 05	23.45	22.85	23.05	23.20	23.35	23.50	1.60	23.23	37.20257
14 Oct 05	23.05	22.30	22.50	22.70	22.90	23.10	1.61	22.76	36.55253
17 Oct 05	23.10	22.70	22.80	22.90	23.00	23.10	1.60	22.93	36.79777
18 Oct 05	22.85	22.40	22.45	22.50	22.55	22.60	1.60	22.56	36.05531
19 Oct 05	22.40	22.00	22.15	22.30	22.45	22.60	1.60	22.32	35.64923
20 Oct 05	22.10	21.50	21.65	21.80	21.95	22.10	1.60	21.85	34.89308
21 Oct 05	21.80	21.30	21.45	21.60	21.75	21.90	1.60	21.63	34.53276
24 Oct 05	21.45	20.75	20.85	20.95	21.05	21.15	1.60	21.03	33.57403
25 Oct 05	21.40	20.90	21.00	21.10	21.20	21.30	1.60	21.15	33.80913
26 Oct 05	21.65	20.55	20.70	20.85	21.00	21.15	1.60	20.98	33.55394
27 Oct 05	21.85	21.00	21.10	21.20	21.30	21.40	1.60	21.31	34.14837
28 Oct 05	22.10	21.10	21.20	21.30	21.40	21.50	1.61	21.43	34.47765
31 Oct 05	21.90	21.25	21.35	21.45	21.55	21.65	1.60	21.53	34.5245
01 Nov 05	21.75	20.20	20.45	20.65	20.90	21.10	1.61	20.84	33.57086
02 Nov 05	21.35	20.15	20.35	20.50	20.70	20.90	1.62	20.66	33.56716
03 Nov 05	21.25	19.50	19.65	19.85	20.00	20.15	1.62	20.07	32.45766
04 Nov 05	21.35	19.75	19.95	20.15	20.35	20.55	1.61	20.35	32.78807
07 Nov 05	21.60	19.90	20.10	20.30	20.50	20.70	1.61	20.52	33.01905
08 Nov 05	22.05	20.35	20.50	20.65	21.00	21.20	1.60	20.96	33.5975
09 Nov 05	22.50	20.35	20.40	20.50	20.65	20.80	1.60	20.87	33.30659
10 Nov 05	22.70	20.40	20.55	20.70	20.85	21.00	1.60	21.03	33.71661
11 Nov 05	22.70	20.25	20.40	20.60	20.80	21.00	1.60	20.96	33.47469
14 Nov 05	23.15	20.90	21.40	21.55	21.70	21.85	1.61	21.76	34.95272
15 Nov 05	22.90	20.55	20.65	20.80	20.95	21.10	1.60	21.16	33.81428
16 Nov 05	22.75	20.25	20.35	20.45	20.55	20.65	1.60	20.83	33.29859
17 Nov 05	22.45	20.05	20.15	20.25	20.35	20.45	1.60	20.62	32.96032
18 Nov 05	21.65	20.00	20.10	20.20	20.30	20.40	1.61	20.44	32.80906
21 Nov 05	21.70	19.25	19.35	19.45	19.55	19.65	1.59	19.83	31.57829
22 Nov 05	22.20	20.00	20.05	20.10	20.15	20.20	1.60	20.45	32.70789
23 Nov 05	21.60	18.85	18.90	19.00	19.05	19.10	1.60	19.42	31.05057
24 Nov 05	19.90	17.60	17.70	17.80	17.90	18.00	1.59	18.15	28.92726
25 Nov 05	20.15	18.30	18.40	18.50	18.60	18.70	1.59	18.78	29.88571
28 Nov 05	20.50	18.50	18.40	18.50	18.60	18.70	1.59	18.87	30.05743
29 Nov 05	19.90	18.25	18.35	18.45	18.55	18.65	1.60	18.69	29.82195
30 Nov 05	20.15	18.05	18.20	18.30	18.40	18.50	1.59	18.60	29.65059
01 Dec 05	20.55	18.25	18.35	18.45	18.55	18.65	1.58	18.80	29.67465
02 Dec 05	21.80	18.50	18.40	18.30	18.20	18.10	1.56	18.88	29.53437
05 Dec 05	22.70	19.80	19.70	19.60	19.50	19.40	1.57	20.12	31.56466
06 Dec 05	23.40	20.10	20.00	19.90	19.80	19.70	1.56	20.48	32.04044
07 Dec 05	22.90	19.90	19.70	19.60	19.50	19.40	1.57	20.17	31.60875
08 Dec 05	22.05	19.25	19.05	18.90	18.80	18.70	1.57	19.46	30.63534
09 Dec 05	21.70	19.00	19.20	19.30	19.40	19.50	1.57	19.68	30.93755
12 Dec 05	22.35	19.25	19.35	19.45	19.55	19.65	1.58	19.93	31.55578
13 Dec 05	22.70	19.75	19.90	20.05	20.20	20.35	1.58	20.49	32.41133
14 Dec 05	22.45	19.40	19.55	19.70	19.85	20.00	1.59	20.16	31.98821
15 Dec 05	22.40	19.45	19.60	19.75	19.85	20.00	1.60	20.18	32.27619
16 Dec 05	22.10	19.25	19.35	19.45	19.55	19.65	1.61	19.89	32.11185
19 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.62	19.98	32.34954
20 Dec 05	21.95	19.10	19.25	19.40	19.55	19.70	1.62	19.83	32.09156
21 Dec 05	21.85	19.00	19.15	19.30	19.45	19.60	1.61	19.73	31.82807
22 Dec 05	21.65	19.10	19.20	19.30	19.40	19.50	1.62	19.69	31.98563
23 Dec 05	21.35	18.70	18.80	18.90	19.00	19.10	1.63	19.31	31.47509
27 Dec 05	21.65	19.00	19.10	19.20	19.30	19.40	1.64	19.61	32.0683
28 Dec 05	21.85	19.15	19.25	19.35	19.45	19.55	1.63	19.77	32.13662
29 Dec 05	22.05	19.55	19.65	19.75	19.85	19.95	1.62	20.13	32.53445
30 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.61	19.98	32.18077
03 Jan 06	22.75	19.70	19.80	19.90	20.00	20.10	1.62	20.38	33.01227
04 Jan 06	23.05	20.05	20.15	20.25	20.35	20.45	1.62	20.72	33.55703
05 Jan 06	23.45	20.00	20.15	20.25	20.35	20.45	1.62	20.78	33.58321
06 Jan 06	24.00	20.80	21.00	21.10	21.20	21.30	1.61	21.57	34.71891

8/27/2008	20.87	21.60	21.85	22.33	23.10	1.71	21.95	37.63858
8/28/2008	20.99	21.70	21.95	22.40	23.13	1.71	22.03	37.58769
8/29/2008	21.20	21.90	22.08	22.50	23.26	1.71	22.19	37.90735
9/1/2008	21.00	21.70	21.91	22.34	23.10	1.72	22.01	37.78821
9/2/2008	20.55	21.21	21.43	21.85	22.61	1.73	21.53	37.24461
9/3/2008	20.48	21.16	21.35	21.77	22.51	1.73	21.45	37.22242
9/4/2008	20.70	21.38	21.60	21.94	22.65	1.74	21.65	37.64496
9/5/2008	20.35	20.97	21.12	21.52	22.32	1.75	21.26	37.20771
9/8/2008	20.25	20.87	21.12	21.42	22.12	1.73	21.16	36.5919
9/9/2008	19.23	19.89	20.10	20.43	21.12	1.76	20.15	35.51827
9/10/2008	19.05	19.75	19.94	20.28	20.96	1.75	20.00	34.95637
9/11/2008	19.01	19.70	19.94	20.28	20.95	1.74	19.98	34.76856
9/12/2008	19.74	20.39	20.64	20.99	21.74	1.73	20.70	35.75917
9/15/2008	19.23	19.90	20.18	20.52	21.33	1.77	20.23	35.85037
9/16/2008	19.20	19.85	20.05	20.36	21.11	1.77	20.11	35.52706
9/17/2008	19.15	19.94	20.21	20.56	21.33	1.80	20.24	36.4968
9/18/2008	19.54	20.30	20.61	21.00	21.88	1.79	20.67	36.90189
9/19/2008	20.42	21.17	21.59	21.92	22.78	1.73	21.58	37.42122
9/22/2008	20.35	21.08	21.53	21.88	22.78	1.75	21.52	37.59583
9/23/2008	20.20	20.93	21.31	21.68	22.58	1.76	21.34	37.48103
9/24/2008	19.68	20.36	20.74	21.06	22.01	1.75	20.77	36.43006
9/25/2008	19.61	20.13	20.46	20.77	21.51	1.75	20.50	35.86158
9/26/2008	19.50	19.75	20.04	20.35	20.94	1.76	20.12	35.38989
9/29/2008	18.41	18.52	18.85	19.17	19.72	1.80	18.93	34.07878
9/30/2008	18.45	18.63	18.90	19.21	19.78	1.78	18.99	33.82531
10/1/2008	18.95	19.15	19.47	19.78	20.36	1.78	19.54	34.72508
10/2/2008	19.20	19.45	19.74	20.10	20.82	1.79	19.86	35.45683
10/3/2008	18.98	19.14	19.45	19.79	20.46	1.78	19.56	34.79268
10/6/2008	18.41	18.52	18.72	19.02	19.68	1.92	18.87	36.15196
10/7/2008	18.79	18.89	19.07	19.36	19.95	1.91	19.21	36.63085
10/8/2008	18.78	18.84	18.97	19.26	19.89	2.02	19.15	38.75183
10/9/2008	19.60	19.67	19.76	20.02	20.68	1.96	19.95	39.0901
10/10/2008	19.11	19.10	19.26	19.52	20.10	2.09	19.42	40.60768
10/13/2008	19.71	19.60	19.73	20.02	20.37	1.99	19.89	39.50529
10/14/2008	20.20	20.06	20.07	20.32	20.72	1.95	20.27	39.60647
10/15/2008	19.83	19.70	19.69	19.94	20.40	2.01	19.91	39.94942
10/16/2008	18.83	18.93	19.03	19.29	19.93	1.96	19.20	37.64268
10/17/2008	18.77	18.78	18.90	19.21	19.77	1.94	19.09	36.95791
10/20/2008	18.55	18.45	18.60	18.90	19.33	1.90	18.77	35.62931
10/21/2008	17.90	17.75	17.95	18.05	18.60	1.92	18.05	34.59361
10/22/2008	16.65	16.46	16.45	16.65	17.21	1.91	16.68	31.91144
10/23/2008	16.96	16.78	16.78	16.95	17.55	1.96	17.00	33.3956
10/24/2008	16.02	15.83	15.85	16.00	16.59	2.03	16.06	32.60011
10/27/2008	15.08	14.87	14.86	15.06	15.69	2.06	15.11	31.18603
10/28/2008	15.20	15.02	15.02	15.16	15.78	1.98	15.24	30.15717
10/29/2008	15.69	15.54	15.54	15.71	16.29	1.93	15.75	30.35377
10/30/2008	15.19	15.23	15.39	15.62	16.32	1.90	15.55	29.58788
10/31/2008	15.05	15.13	15.37	15.49	16.19	1.91	15.45	29.44554
11/3/2008	15.12	15.19	15.36	15.65	16.39	1.86	15.54	28.97664
11/4/2008	15.45	15.55	15.93	16.43	17.10	1.87	16.09	30.02809
11/5/2008	15.10	15.17	15.51	15.89	16.56	1.88	15.65	29.364
11/6/2008	15.13	15.14	15.43	15.79	16.43	1.91	15.58	29.73124
11/7/2008	15.62	15.63	15.92	16.30	16.90	1.89	16.07	30.3393
11/10/2008	15.70	15.70	15.99	16.36	17.00	1.90	16.15	30.72271
11/11/2008	15.36	15.38	15.64	16.01	16.64	1.91	15.81	30.15315
11/12/2008	15.65	15.49	15.78	16.15	16.73	1.96	15.96	31.24578
11/13/2008	15.87	15.60	15.82	16.13	16.64	1.95	16.01	31.23358
11/14/2008	15.50	15.26	15.51	15.74	16.31	1.93	15.66	30.25246
11/17/2008	15.30	15.03	15.12	15.36	15.52	1.94	15.27	29.56255
11/18/2008	14.95	14.71	14.71	14.91	15.21	1.94	14.90	28.92287
11/19/2008	14.81	14.64	14.64	14.79	15.04	1.94	14.78	28.70136
11/20/2008	13.35	13.15	13.15	13.34	13.56	2.02	13.31	26.95053
11/21/2008	13.87	13.72	13.77	13.94	14.17	2.02	13.89	28.04447
11/24/2008	14.30	14.19	14.29	14.58	14.89	1.99	14.45	28.74614
11/25/2008	14.02	13.91	14.05	14.28	14.56	2.01	14.16	28.44147

09 Jan 06	23.70	20.10	20.20	20.30	20.40	20.50	1.60	20.87	33.44547
10 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.61	21.08	33.94555
11 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.60	21.08	33.78345
12 Jan 06	24.00	20.40	20.55	20.70	20.80	20.95	1.60	21.23	34.00398
13 Jan 06	24.00	20.80	20.70	20.85	20.95	21.10	1.61	21.40	34.40937
16 Jan 06	24.05	20.85	21.00	21.10	21.20	21.30	1.61	21.58	34.65398
17 Jan 06	25.25	21.55	21.70	21.85	22.00	22.15	1.61	22.42	36.02128
18 Jan 06	26.45	22.30	22.55	22.65	22.75	22.85	1.62	23.26	37.6071
19 Jan 06	26.65	22.40	22.55	22.70	22.85	23.00	1.62	23.36	37.75106
20 Jan 06	27.90	22.80	22.90	23.00	23.10	23.20	1.62	23.82	38.63698
23 Jan 06	26.90	22.60	22.75	22.90	23.05	23.20	1.63	23.57	38.46897
24 Jan 06	26.35	21.85	22.05	22.20	22.35	22.50	1.63	22.88	37.41181
25 Jan 06	26.70	22.25	22.45	22.60	22.75	22.90	1.63	23.28	37.84966
26 Jan 06	27.45	22.70	22.85	23.00	23.15	23.30	1.62	23.74	38.49748
27 Jan 06	26.90	22.80	22.95	23.10	23.25	23.40	1.61	23.73	38.25389
30 Jan 06	27.50	24.05	24.20	24.40	24.60	24.80	1.61	24.93	40.20559
31 Jan 06	27.55	24.65	25.00	25.15	25.35	25.50	1.61	25.53	41.08016
01 Feb 06	28.05	25.50	25.90	26.25	26.70	27.10	1.60	26.58	42.57681
02 Feb 06	28.55	25.95	26.45	26.90	27.25	27.55	1.60	27.11	43.46511
03 Feb 06	28.85	26.80	27.00	27.20	27.40	27.60	1.60	27.48	44.0457
06 Feb 06	28.70	28.15	28.50	28.90	29.30	29.70	1.61	28.88	46.5195
07 Feb 06	27.65	27.50	27.80	28.05	28.30	28.55	1.61	27.98	45.17256
08 Feb 06	27.15	27.00	27.25	27.55	27.75	27.95	1.61	27.44	44.29182
09 Feb 06	27.45	27.30	27.95	28.15	28.35	28.55	1.62	27.96	45.23857
10 Feb 06	27.30	27.45	27.90	28.30	28.55	28.80	1.62	28.05	45.30473
13 Feb 06	27.20	27.10	27.60	27.80	28.00	28.20	1.61	27.65	44.51164
14 Feb 06	27.35	27.40	27.60	27.80	28.00	28.20	1.61	27.73	44.63193
15 Feb 06	27.60	27.55	27.65	27.80	27.95	28.10	1.61	27.78	44.70835
16 Feb 06	27.95	27.85	28.45	29.00	29.70	30.30	1.61	28.88	46.45744
17 Feb 06	27.70	27.75	28.40	28.90	29.40	29.90	1.61	28.68	46.29899
20 Feb 06	28.10	27.55	28.05	28.55	29.05	29.55	1.61	28.48	45.8541
21 Feb 06	28.30	27.15	27.70	28.20	29.00	29.60	1.61	28.33	45.67823
22 Feb 06	28.20	26.65	27.30	27.85	28.60	29.20	1.62	27.97	45.22865
23 Feb 06	27.65	24.40	25.00	25.60	25.70	25.00	1.61	25.56	41.24082
24 Feb 06	27.65	24.50	25.10	25.70	26.30	26.90	1.61	26.03	41.77746
27 Feb 06	27.20	24.20	24.75	25.35	26.30	26.90	1.61	25.78	41.42353
28 Feb 06	27.40	24.30	24.85	25.45	26.05	26.65	1.60	25.78	41.37455
01 Mar 06	27.85	24.10	24.65	25.20	25.75	26.30	1.60	25.64	41.03069
02 Mar 06	28.15	24.00	24.50	25.00	25.50	26.00	1.61	25.53	41.01498
03 Mar 06	28.05	24.20	24.70	25.20	25.70	26.20	1.62	25.68	41.47192
06 Mar 06	28.05	24.10	24.70	25.25	25.75	26.25	1.62	25.68	41.6705
07 Mar 06	27.60	23.55	24.00	24.50	25.00	25.50	1.62	25.03	40.51006
08 Mar 06	27.75	23.95	24.45	24.95	25.45	25.95	1.63	25.42	41.32151
09 Mar 06	27.70	23.70	24.20	24.70	25.20	25.70	1.62	25.20	40.89379
10 Mar 06	27.90	23.75	24.20	24.70	25.20	25.70	1.63	25.24	41.08227
13 Mar 06	28.45	24.15	24.80	25.15	25.55	25.95	1.63	25.68	41.81631
14 Mar 06	28.25	24.05	24.60	25.10	25.60	26.10	1.63	25.62	41.77793
15 Mar 06	28.05	24.15	24.70	25.20	25.70	26.20	1.63	25.67	41.89444
16 Mar 06	27.70	23.90	24.50	25.00	25.50	26.00	1.65	25.43	42.01271
17 Mar 06	27.95	24.00	24.60	25.00	25.50	26.00	1.67	25.51	42.67832
20 Mar 06	28.15	24.05	24.70	25.10	25.60	26.10	1.69	25.62	43.19924
21 Mar 06	28.10	24.05	24.65	25.25	25.80	26.40	1.69	25.71	43.31929
22 Mar 06	28.15	24.25	24.90	25.50	26.35	26.95	1.68	26.02	43.69683
23 Mar 06	28.20	24.20	24.85	25.45	26.30	26.90	1.67	25.98	43.50993
24 Mar 06	27.95	24.10	24.90	25.60	26.30	27.00	1.70	25.98	44.09624
27 Mar 06	27.80	24.15	24.80	25.40	25.90	26.40	1.70	25.74	43.83071
28 Mar 06	27.95	24.25	24.90	25.55	26.20	26.85	1.70	25.95	44.19253
29 Mar 06	28.20	25.50	26.15	26.80	27.45	28.10	1.70	27.03	45.96684
30 Mar 06	28.35	26.75	27.45	28.10	28.80	29.45	1.70	28.15	47.83023
31 Mar 06	28.40	26.80	27.55	28.10	28.60	29.10	1.69	28.09	47.57884
03 Apr 06	28.35	27.00	27.50	28.10	28.70	29.30	1.70	28.16	47.78494
04 Apr 06	28.85	27.00	27.70	28.40	29.10	29.80	1.70	28.48	48.43404
05 Apr 06	29.80	27.35	27.95	28.60	29.30	29.95	1.69	28.83	48.69367
06 Apr 06	30.35	27.75	28.35	28.95	29.50	30.10	1.67	29.17	48.7768
07 Apr 06	29.85	27.90	28.50	29.10	29.70	30.30	1.67	29.23	48.68947

11/26/2008	13.91	13.83	13.98	14.15	14.50		1.98	14.07	27.87666
11/27/2008	14.23	14.17	14.33	14.56	14.88		1.95	14.43	28.18368
11/28/2008	13.91	13.84	14.00	14.21	14.52		1.94	14.10	27.33538
12/1/2008	14.20	14.20	14.32	14.54	14.85		1.95	14.42	28.17951
12/2/2008	14.10	14.08	14.20	14.41	14.70		1.99	14.30	28.40645
12/3/2008	14.05	14.00	14.12	14.33	14.62		1.97	14.22	28.02061
12/4/2008	13.69	13.72	13.79	13.94	14.15		1.98	13.86	27.48632
12/5/2008	12.82	12.85	12.90	13.04	13.24		1.99	12.97	25.78635
12/8/2008	13.17	13.24	13.28	13.40	13.59		1.95	13.34	26.04779
12/9/2008	12.98	13.00	13.05	13.16	13.34		1.96	13.11	25.74274
12/10/2008	13.03	13.05	13.11	13.22	13.40		1.98	13.16	26.06246
12/11/2008	13.21	13.27	13.32	13.41	13.59		1.97	13.36	26.37058
12/12/2008	13.28	13.42	13.42	13.53	13.74		2.03	13.48	27.34092
12/15/2008	13.52	13.59	13.66	13.76	13.94		2.05	13.69	28.12438
12/16/2008		13.64	13.65	13.82	14.00		2.04	13.78	28.08552
12/17/2008		13.75	13.80	13.87	14.03		2.04	13.86	28.33737
12/18/2008		13.41	13.40	13.51	13.67		2.04	13.50	27.59635
12/19/2008		13.33	13.36	13.47	13.62		2.03	13.45	27.31493
12/22/2008		13.35	13.39	13.50	13.63		2.03	13.47	27.31278
12/23/2008		13.27	13.31	13.44	13.56		2.05	13.40	27.46137
12/24/2008		13.17	13.20	13.31	13.46		2.05	13.29	27.24465
12/29/2008		13.24	13.28	13.37	13.54		2.04	13.36	27.20089
12/30/2008		13.49	13.52	13.61	13.79		2.04	13.60	27.7831
12/31/2008		13.69	13.71	13.77	13.93		1.97	13.78	27.19853
1/2/2009		13.32	13.33	13.42	13.59		1.96	13.42	26.29443
1/5/2009		13.31	13.37	13.48	13.67		1.90	13.46	25.51877
1/6/2009		13.50	13.55	13.66	13.84		1.87	13.64	25.45224
1/7/2009		13.38	13.41	13.52	13.72		1.91	13.51	25.83554
1/8/2009		12.79	12.80	12.90	13.09		1.93	12.90	24.92895
1/9/2009		12.45	12.46	12.56	12.75		1.91	12.56	23.94998
1/12/2009		12.28	12.33	12.43	12.58		1.95	12.41	24.20214
1/13/2009		12.15	12.22	12.31	12.47		1.99	12.29	24.49901
1/14/2009		11.78	11.80	11.89	12.02		1.99	11.87	23.67891
1/15/2009		11.80	11.79	11.91	12.04		1.98	11.89	23.55541
1/16/2009		11.00	11.02	11.12	11.24		1.98	11.10	22.0153
1/19/2009		10.00	10.01	10.12	10.25		1.95	10.10	19.72658
1/20/2009		9.96	9.97	10.05	10.17		1.98	10.04	19.85598
1/21/2009		10.03	10.06	10.16	10.27		1.97	10.13	19.95108
1/22/2009		10.15	10.16	10.25	10.31		1.97	10.22	20.16323
1/23/2009		10.05	10.06	10.12	10.21		1.98	10.11	19.98258
1/26/2009		10.49	10.51	10.57	10.66		1.99	10.56	21.02093
1/27/2009		10.32	10.33	10.40	10.50		1.99	10.39	20.67665
1/28/2009		10.23	10.24	10.30	10.41		1.97	10.30	20.29406
1/29/2009		10.35	10.39	10.45	10.56		1.98	10.44	20.68559
1/30/2009		10.45	10.46	10.52	10.63		2.01	10.52	21.15209
2/2/2009		10.06	10.11	10.19	10.29		2.03	10.16	20.65389
2/3/2009		9.71	9.76	9.86	9.99		2.00	9.83	19.62384
2/4/2009		9.56	9.62	9.74	9.85		1.99	9.69	19.27417
2/5/2009		9.45	9.50	9.60	9.72		1.96	9.57	18.77218
2/6/2009		9.26	9.32	9.42	9.54		1.92	9.39	17.98804
2/9/2009		9.20	9.27	9.37	9.52		1.92	9.34	17.88707
2/10/2009		8.57	8.63	8.72	8.87		1.97	8.70	17.14974
2/11/2009		7.66	7.73	7.83	8.00		1.97	7.81	15.37947
2/12/2009		7.39	7.47	7.58	7.74		1.98	7.55	14.90384
2/13/2009		7.89	7.97	8.09	8.30		1.96	8.06	15.7673
2/16/2009		7.72	7.79	7.92	8.20		1.97	7.91	15.54997
2/17/2009		7.94	8.02	8.17	8.43		1.97	8.14	16.07298
2/18/2009		8.82	8.87	8.97	9.25		1.97	8.98	17.66495
2/19/2009		9.82	9.87	10.00	10.20		1.96	9.97	19.55915
2/20/2009		8.84	8.90	9.02	9.23		1.98	9.00	17.84921
2/23/2009		8.51	8.61	8.75	8.99		1.98	8.72	17.21885
2/24/2009		8.18	8.26	8.43	8.70		1.98	8.39	16.58321
2/25/2009		8.65	8.74	8.90	9.16		1.97	8.86	17.4752
2/26/2009		9.39	9.48	9.64	9.92		1.956589	9.6075	18.79793
2/27/2009		8.81	8.91	9.05	9.32		1.971545	9.0225	17.78827

10 Apr 06	30.00	28.35	28.65	29.25	29.75	30.35	1.66	29.39	48.78921
11 Apr 06	30.45	29.15	29.90	30.50	31.15	31.75	1.66	30.48	50.46738
12 Apr 06	30.35	29.80	30.45	31.05	31.70	32.30	1.65	30.94	51.10312
13 Apr 06	30.15	30.00	30.65	31.30	31.95	32.50	1.66	31.11	51.73968
18 Apr 06	30.30	30.15	30.80	31.45	32.10	32.75	1.66	31.26	51.87758
19 Apr 06	31.50	32.20	32.80	33.45	34.15	34.85	1.66	33.16	54.93529
20 Apr 06	31.50	32.25	32.90	33.55	34.20	34.85	1.67	33.21	55.43442
21 Apr 06	30.95	30.95	31.45	32.10	32.75	33.40	1.66	31.93	52.89724
24 Apr 06	30.75	31.00	31.70	32.40	33.10	33.80	1.67	32.13	53.49947
25 Apr 06	30.95	30.95	31.60	32.20	32.90	33.50	1.67	32.02	53.38565
26 Apr 06	28.30	29.55	30.20	30.85	31.50	32.15	1.65	30.43	50.30848
27 Apr 06	20.75	22.15	22.80	23.45	24.10	24.75	1.66	23.00	38.09062
28 Apr 06	17.30	21.45	22.15	22.80	23.45	24.10	1.66	21.88	36.3557
01 May 06	14.25	18.80	19.30	19.80	20.30	20.80	1.66	18.88	31.2855
02 May 06	13.95	18.50	19.00	19.50	20.00	20.50	1.66	18.58	30.75081
03 May 06	11.95	18.25	18.90	19.45	19.95	20.50	1.64	18.17	29.77485
04 May 06	12.85	20.00	20.55	21.05	21.55	22.05	1.65	19.68	32.37752
05 May 06	14.85	22.15	22.70	23.25	23.80	24.35	1.65	21.85	36.02406
08 May 06	13.20	20.25	20.80	21.25	21.70	22.20	1.65	19.90	32.90031
09 May 06	12.65	19.90	20.50	21.10	21.75	22.35	1.65	19.71	32.47491
10 May 06	12.75	18.65	19.05	19.70	20.30	20.90	1.65	18.56	30.61358
11 May 06	13.65	19.20	19.80	20.45	21.10	21.70	1.65	19.32	31.91975
12 May 06	13.40	19.25	19.85	20.50	21.15	21.85	1.67	19.33	32.29075
15 May 06	9.80	17.80	18.30	18.75	19.25	19.75	1.68	17.28	29.04409
16 May 06	15.75	21.45	22.20	22.70	23.20	23.70	1.67	21.50	35.99244
17 May 06	17.35	21.60	22.30	22.90	23.50	24.10	1.68	21.96	36.86625
18 May 06	16.25	21.90	22.60	23.30	24.00	24.70	1.68	22.13	37.13773
19 May 06	16.25	21.90	22.50	23.15	23.75	24.35	1.69	21.98	37.06717
22 May 06	16.95	21.90	22.55	23.25	23.90	24.55	1.71	22.18	37.90156
23 May 06	18.95	23.80	24.45	25.15	25.80	26.55	1.70	24.12	40.98196
24 May 06	20.45	24.20	24.65	25.25	25.85	26.45	1.70	24.48	41.50861
25 May 06	19.75	23.60	24.20	24.80	25.45	26.05	1.68	23.98	40.30701
26 May 06	19.85	24.00	24.65	25.30	25.95	26.60	1.68	24.39	40.93566
30 May 06	19.55	24.00	24.60	25.25	25.85	26.45	1.69	24.28	40.98305
31 May 06	18.50	23.20	23.95	24.55	25.20	25.85	1.70	23.54	40.08329
01 Jun 06	17.40	22.25	22.90	23.55	24.20	24.85	1.71	22.53	38.54489
02 Jun 06	17.00	21.30	21.95	22.60	23.25	23.90	1.72	21.67	37.22849
05 Jun 06	17.05	21.25	21.85	22.45	23.05	23.65	1.72	21.55	37.15893
06 Jun 06	16.65	20.90	21.55	22.15	22.75	23.35	1.73	21.23	36.77945
07 Jun 06	16.30	20.90	21.45	22.00	22.55	23.10	1.73	21.05	36.37297
08 Jun 06	15.60	20.05	20.70	21.30	21.90	22.50	1.71	20.34	34.71512
09 Jun 06	14.60	19.50	20.10	20.70	21.30	21.90	1.69	19.68	33.23258
12 Jun 06	14.60	19.00	19.70	20.40	21.10	21.80	1.69	19.43	32.79079
13 Jun 06	15.60	20.10	20.80	21.50	22.20	22.90	1.70	20.52	34.88036
14 Jun 06	15.50	19.85	20.60	21.30	22.00	22.70	1.71	20.33	34.76313
15 Jun 06	15.50	19.40	19.80	20.50	21.20	21.90	1.70	19.72	33.51796
16 Jun 06	15.50	19.50	20.05	20.70	21.35	22.00	1.71	19.85	33.9418
19 Jun 06	15.65	19.35	19.95	20.55	21.15	21.75	1.71	19.73	33.68528
20 Jun 06	15.90	20.00	20.70	21.50	22.20	22.90	1.71	20.53	35.01275
21 Jun 06	16.60	20.60	21.20	21.90	22.60	23.30	1.71	21.03	36.02128
22 Jun 06	16.05	19.90	20.65	21.35	22.10	22.90	1.71	20.49	35.1025
23 Jun 06	16.15	20.10	20.80	21.50	22.20	22.90	1.71	20.61	35.22994
26 Jun 06	16.05	19.80	20.55	21.30	22.10	22.90	1.72	20.45	35.15096
27 Jun 06	15.60	19.45	20.10	20.70	21.30	21.95	1.72	19.85	34.07498
28 Jun 06	15.75	19.70	20.35	21.00	21.65	22.30	1.72	20.13	34.6329
29 Jun 06	16.20	19.85	20.45	21.10	21.75	22.40	1.71	20.29	34.75763
30 Jun 06	16.55	19.65	20.30	20.95	21.60	22.25	1.72	20.22	34.79038
03 Jul 06	16.55	19.45	20.10	20.75	21.40	22.05	1.72	20.05	34.57068
04 Jul 06	16.85	19.45	20.15	20.80	21.45	22.10	1.72	20.13	34.58227
05 Jul 06	16.85	19.00	19.60	20.20	20.80	21.40	1.72	19.64	33.68554
06 Jul 06	16.65	18.75	19.45	20.05	20.70	21.35	1.71	19.49	33.3805
07 Jul 06	17.05	19.25	19.90	20.50	21.15	21.75	1.70	19.93	33.95063
10 Jul 06	16.80	19.25	19.95	20.60	21.30	21.95	1.71	19.98	34.07094
11 Jul 06	16.95	19.65	20.25	20.85	21.45	22.05	1.70	20.20	34.25637
12 Jul 06	17.10	19.90	20.55	21.20	21.85	22.50	1.69	20.52	34.64963

3/2/2009	9.17	9.27	9.41	9.68	9.1	1.987994	9.326	18.54003
3/3/2009	9.9	10	10.1	10.4	9.87	1.9616	10.054	19.72193
3/4/2009	10.51	10.59	10.75	11.05	10.71	1.945813	10.722	20.86301
3/5/2009	10.29	10.38	10.55	10.84	10.46	1.965088	10.504	20.64129
3/6/2009	9.94	10.04	10.22	10.51	10.11	1.979452	10.164	20.11915
3/9/2009	10.57	10.67	10.86	11.16	10.7	1.993619	10.792	21.51513
3/10/2009	10.97	11.09	11.28	11.58	11.08	1.970043	11.2	22.06448
3/11/2009	10.63	10.75	10.94	11.24	10.73	1.973819	10.858	21.43173
3/12/2009	10.82	10.94	11.13	11.43	10.92	1.972285	11.048	21.7898
3/13/2009	11.16	11.32	11.52	11.83	11.24	1.962486	11.414	22.39981
3/16/2009	11.42	11.61	11.81	12.11	11.44	1.962607	11.678	22.91933
3/17/2009	11.72	11.9	12.1	12.4	11.72	1.96704	11.968	23.54153
3/18/2009	11.23	11.41	11.63	11.94	11.2	1.979552	11.482	22.72921

13 Jul 06	17.05	19.85	20.55	21.20	21.90	22.55	1.68	20.52	34.51396
14 Jul 06	17.15	20.05	20.70	21.30	21.90	22.50	1.68	20.60	34.58676
17 Jul 06	17.50	20.00	20.55	21.20	21.85	22.50	1.67	20.60	34.49728
18 Jul 06	18.05	20.25	20.85	21.45	22.05	22.65	1.68	20.88	34.99595
19 Jul 06	17.70	20.10	20.70	21.30	21.90	22.50	1.68	20.70	34.76592
20 Jul 06	17.20	19.90	20.45	21.10	21.75	22.40	1.68	20.47	34.4031
21 Jul 06	17.55	19.85	20.50	21.10	21.75	22.35	1.69	20.52	34.61732
24 Jul 06	17.40	19.75	20.40	21.00	21.60	22.20	1.67	20.39	34.1028
25 Jul 06	17.30	19.50	20.10	20.70	21.30	21.90	1.67	20.13	33.63002
26 Jul 06	17.00	19.15	19.90	20.40	21.00	21.60	1.67	19.84	33.08945
27 Jul 06	17.15	18.95	19.55	20.15	20.75	21.35	1.67	19.65	32.72284
28 Jul 06	17.35	18.85	19.45	20.05	20.65	21.25	1.66	19.60	32.5693
31 Jul 06	16.90	18.25	18.85	19.45	20.05	20.65	1.67	19.03	31.69252
01 Aug 06	16.85	18.65	19.25	19.85	20.45	21.05	1.67	19.35	32.40864
02 Aug 06	17.05	18.70	19.30	19.90	20.50	21.10	1.67	19.43	32.5156
03 Aug 06	17.15	18.50	19.05	19.65	20.25	20.80	1.68	19.23	32.3478
04 Aug 06	16.60	17.75	18.30	18.80	19.35	19.85	1.68	18.44	31.01098
07 Aug 06	15.90	17.00	17.55	18.15	18.70	19.30	1.68	17.77	29.87737
08 Aug 06	16.45	17.70	18.25	18.85	19.40	20.00	1.69	18.44	31.10927
09 Aug 06	16.55	17.85	18.45	19.05	19.65	20.25	1.68	18.63	31.27257
10 Aug 06	16.50	17.95	18.55	19.10	19.70	20.25	1.67	18.68	31.14331
11 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.66	18.55	30.81162
14 Aug 06	16.50	17.75	18.30	18.85	19.40	19.95	1.68	18.46	30.92382
15 Aug 06	16.25	17.65	18.20	18.75	19.30	19.85	1.67	18.33	30.63376
16 Aug 06	16.25	17.55	18.15	18.75	19.35	19.95	1.67	18.33	30.64298
17 Aug 06	16.40	17.70	18.35	18.95	19.60	20.20	1.69	18.53	31.23175
18 Aug 06	16.45	17.65	18.20	18.75	19.30	19.85	1.69	18.37	31.04436
21 Aug 06	16.55	17.75	18.40	19.05	19.70	20.35	1.69	18.63	31.46311
22 Aug 06	17.35	18.10	18.70	19.35	19.95	20.55	1.68	19.00	31.91716
23 Aug 06	17.60	18.15	18.80	19.40	20.00	20.60	1.68	19.09	32.01667
24 Aug 06	17.40	17.40	18.90	19.50	20.10	20.70	1.68	19.00	31.84233
25 Aug 06	16.90	17.80	18.50	19.10	19.70	20.30	1.69	18.72	31.55453
28 Aug 06	17.00	18.05	18.65	19.25	19.85	20.45	1.68	18.88	31.78045
29 Aug 06	16.90	17.95	18.55	19.15	19.75	20.35	1.68	18.78	31.52045
30 Aug 06	16.60	17.80	18.45	19.10	19.70	20.35	1.68	18.67	31.35384
31 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.68	18.55	31.13614
01 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.17209
04 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.0979
05 Sep 06	16.90	18.15	18.75	19.35	19.95	20.55	1.66	18.94	31.44657
06 Sep 06	17.10	18.20	18.80	19.40	20.00	20.60	1.67	19.02	31.78743
07 Sep 06	17.15	18.25	18.80	19.35	19.90	20.45	1.68	18.98	31.85529
08 Sep 06	17.05	18.20	18.70	19.25	19.80	20.35	1.68	18.89	31.72574
11 Sep 06	16.95	18.20	18.75	19.30	19.85	20.45	1.69	18.92	32.00566
12 Sep 06	16.80	17.90	18.50	19.05	19.65	20.20	1.69	18.68	31.58888
13 Sep 06	16.90	18.00	18.60	19.15	19.75	20.30	1.69	18.78	31.65998
14 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.69	18.68	31.47244
15 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.68	18.68	31.42123
18 Sep 06	16.75	17.85	18.40	18.95	19.45	20.00	1.68	18.57	31.21917
19 Sep 06	16.75	17.85	18.45	19.05	19.65	20.30	1.68	18.68	31.45145
20 Sep 06	16.25	17.50	18.05	18.65	19.25	19.80	1.68	18.25	30.74952
21 Sep 06	14.70	16.50	17.10	17.70	18.30	18.90	1.69	17.20	29.04786
22 Sep 06	14.00	16.10	16.70	17.30	17.85	18.45	1.70	16.73	28.50572
25 Sep 06	13.85	16.15	16.70	17.25	17.85	18.40	1.69	16.70	28.26652
26 Sep 06	13.25	16.00	16.55	17.10	17.65	18.20	1.69	16.46	27.80008
27 Sep 06	12.35	15.20	15.75	16.30	16.85	17.40	1.69	15.64	26.45925
28 Sep 06	12.45	15.45	16.00	16.55	17.10	17.65	1.70	15.87	26.91497
29 Sep 06	12.90	15.70	16.25	16.80	17.35	17.90	1.70	16.15	27.46697
02 Oct 06	13.30	16.15	16.70	17.25	17.80	18.35	1.70	16.59	28.24273
03 Oct 06	12.50	15.40	15.95	16.50	17.00	17.55	1.71	15.82	27.10182
04 Oct 06	12.30	15.60	16.10	16.65	17.15	17.70	1.70	15.92	27.11794
05 Oct 06	12.30	15.90	16.45	17.00	17.55	18.10	1.70	16.22	27.56764
06 Oct 06	12.45	16.40	16.95	17.50	18.05	18.60	1.70	16.66	28.24003
09 Oct 06	12.40	16.35	16.90	17.45	18.00	18.55	1.69	16.61	28.1128
10 Oct 06	12.65	16.40	16.95	17.50	18.05	18.60	1.68	16.69	28.09764
11 Oct 06	12.75	16.00	16.55	17.10	17.65	18.20	1.69	16.38	27.60469

12 Oct 06	12.75	15.80	16.35	16.90	17.45	18.00	1.67	16.21	27.08625
13 Oct 06	12.65	15.10	15.65	16.20	16.75	17.30	1.67	15.61	25.99701
16 Oct 06	12.75	15.10	15.65	16.20	16.75	17.55	1.66	15.67	26.02425
17 Oct 06	12.80	15.05	15.65	16.25	16.85	17.45	1.66	15.68	26.06867
18 Oct 06	13.00	15.85	15.85	16.40	17.00	17.55	1.66	15.94	26.46989
19 Oct 06	13.15	15.95	15.95	16.50	17.05	17.60	1.66	16.03	26.64138
20 Oct 06	13.05	15.65	16.15	16.65	17.25	17.85	1.66	16.10	26.76345
23 Oct 06	13.05	16.00	16.55	17.10	17.65	18.20	1.66	16.43	27.22751
24 Oct 06	12.75	16.30	16.85	17.40	17.95	18.50	1.66	16.63	27.5428
25 Oct 06	12.80	16.30	16.90	17.45	17.95	18.50	1.66	16.65	27.57503
26 Oct 06	12.35	16.25	16.25	16.75	17.25	17.75	1.66	16.10	26.72362
27 Oct 06	12.40	15.90	16.45	16.95	17.45	17.95	1.66	16.18	26.81082
30 Oct 06	12.15	15.75	16.35	16.85	17.40	17.90	1.65	16.07	26.55414
31 Oct 06	11.05	15.20	15.80	16.40	16.95	17.55	1.65	15.49	25.53236
01 Nov 06	11.25	15.45	16.00	16.55	17.10	17.65	1.65	15.67	25.78231
02 Nov 06	11.25	15.75	16.30	16.85	17.40	17.95	1.65	15.92	26.24293
03 Nov 06	10.95	15.65	16.25	16.80	17.35	17.90	1.65	15.82	26.11289
06 Nov 06	10.80	15.85	16.40	16.95	17.50	18.05	1.65	15.93	26.2615
07 Nov 06	10.55	16.00	16.55	17.10	17.65	18.20	1.65	16.01	26.42903
08 Nov 06	9.65	15.65	16.20	16.75	17.30	17.85	1.66	15.57	25.78851
09 Nov 06	9.70	15.80	16.35	16.85	17.40	17.90	1.67	15.67	26.13898
10 Nov 06	9.70	16.10	16.65	17.20	17.70	18.25	1.67	15.93	26.67852
13 Nov 06	8.95	15.75	16.25	16.80	17.30	17.85	1.68	15.48	25.99499
14 Nov 06	8.70	15.85	16.35	16.90	17.40	17.95	1.68	15.53	26.01054
15 Nov 06	9.40	15.80	16.00	16.55	17.10	17.65	1.68	15.42	25.82704
16 Nov 06	9.25	16.00	16.50	17.00	17.55	18.05	1.67	15.73	26.21302
17 Nov 06	8.90	16.00	16.55	17.10	17.65	18.20	1.67	15.73	26.23008
20 Nov 06	8.75	16.20	16.75	17.25	17.80	18.30	1.66	15.84	26.33001
21 Nov 06	9.00	17.10	17.65	18.20	18.75	19.30	1.66	16.67	27.73616
22 Nov 06	9.10	17.45	18.00	18.55	19.10	19.65	1.67	16.98	28.29265
23 Nov 06	8.90	17.30	17.85	18.40	18.95	19.50	1.67	16.82	28.0919
24 Nov 06	9.00	17.40	17.95	18.50	19.05	19.60	1.68	16.92	28.43875
27 Nov 06	9.20	18.40	18.95	19.50	20.05	20.60	1.69	17.78	29.99068
28 Nov 06	9.20	19.00	19.55	20.05	20.60	21.10	1.68	18.25	30.68431
29 Nov 06	8.90	17.85	18.40	18.95	19.50	20.05	1.68	17.28	28.99142
30 Nov 06	8.40	18.45	19.00	19.55	20.10	20.65	1.68	17.69	29.71115
01 Dec 06	8.20	18.25	18.80	19.35	19.90	20.45	1.69	17.49	29.50533
04 Dec 06	7.65	19.65	20.20	20.75	21.30	21.85	1.69	18.57	31.32966
05 Dec 06	7.25	19.30	19.85	20.35	20.90	21.45	1.69	18.18	30.80268
06 Dec 06	6.85	18.75	19.30	19.85	20.40	20.95	1.69	17.68	29.8835
07 Dec 06	7.10	18.75	19.35	19.90	20.45	21.00	1.68	17.76	29.87239
08 Dec 06	7.55	18.25	18.80	19.35	19.90	20.45	1.68	17.38	29.22228
11 Dec 06	7.30	18.70	19.25	19.80	20.35	20.90	1.69	17.72	29.88817
12 Dec 06	7.10	18.25	18.75	19.30	19.85	20.40	1.69	17.28	29.16791
13 Dec 06	6.85	17.45	18.00	18.60	19.15	19.70	1.68	16.63	27.94211
14 Dec 06	6.60	17.00	17.60	18.15	18.65	19.20	1.68	16.20	27.20997
15 Dec 06	6.60	17.00	17.55	18.15	18.65	19.20	1.67	16.19	27.08416
18 Dec 06	6.60	17.10	17.65	18.25	18.80	19.35	1.68	16.29	27.32771
19 Dec 06	6.70	17.30	17.80	18.35	18.90	19.45	1.68	16.42	27.62967
20 Dec 06	6.65	17.10	17.65	18.20	18.75	19.30	1.68	16.28	27.27581
21 Dec 06	6.60	17.10	17.60	18.15	18.70	19.25	1.68	16.23	27.255
22 Dec 06	6.80	17.40	17.95	18.45	19.00	19.55	1.68	16.53	27.69612
26 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25468
27 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25637
28 Dec 06	6.70	18.25	18.75	19.30	19.85	20.40	1.67	17.21	28.69645
29 Dec 06	6.70	18.20	18.70	19.25	19.80	20.35	1.67	17.17	28.7106
02 Jan 07	5.60	17.50	18.05	18.65	19.20	19.80	1.67	16.47	27.47525
03 Jan 07	4.85	16.55	17.10	17.55	18.10	18.60	1.66	15.46	25.70415
04 Jan 07	4.85	16.55	17.10	17.70	18.25	18.85	1.67	15.55	25.90932
05 Jan 07	4.80	15.80	16.40	16.95	17.50	18.05	1.67	14.92	24.90459
08 Jan 07	3.95	14.50	15.05	15.60	16.15	16.70	1.67	13.66	22.79225
09 Jan 07	3.50	14.70	15.30	15.85	16.40	16.95	1.67	13.78	22.95828
10 Jan 07	3.85	14.85	15.50	16.05	16.60	17.15	1.66	14.00	23.29748
11 Jan 07	4.00	15.25	15.80	16.35	16.90	17.45	1.65	14.29	23.57868
12 Jan 07	4.05	15.55	16.15	16.75	17.35	17.95	1.65	14.63	24.11584

15 Jan 07	4.05	16.15	16.75	17.30	17.90	18.45	1.65	15.10	24.90246
16 Jan 07	4.25	16.40	16.95	17.50	18.05	18.60	1.65	15.29	25.23357
17 Jan 07	4.10	15.65	16.20	16.75	17.30	17.85	1.65	14.64	24.09465
18 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.22983
19 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.2197
22 Jan 07	3.90	15.65	16.20	16.75	17.30	17.85	1.64	14.61	23.99319
23 Jan 07	3.80	15.65	16.20	16.75	17.30	17.85	1.64	14.59	23.97928
24 Jan 07	3.45	15.25	15.80	16.35	16.90	17.45	1.66	14.20	23.55028
25 Jan 07	3.30	15.35	15.90	16.45	17.05	17.60	1.67	14.28	23.84923
26 Jan 07	3.05	15.55	16.10	16.65	17.25	17.85	1.67	14.41	24.05445
29 Jan 07	2.50	15.50	16.05	16.65	17.25	17.80	1.68	14.29	23.99447
30 Jan 07	2.45	15.35	15.90	16.50	17.05	17.65	1.68	14.15	23.73552
31 Jan 07	2.35	15.30	15.85	16.45	17.00	17.55	1.68	14.08	23.64266
01 Feb 07	2.25	15.35	15.95	16.50	17.05	17.65	1.68	14.13	23.75307
02 Feb 07	2.00	14.75	15.30	15.85	16.40	16.95	1.67	13.54	22.65233
05 Feb 07	1.80	14.95	15.50	16.05	16.60	17.15	1.66	13.68	22.76397
06 Feb 07	1.50	14.85	15.40	15.95	16.50	17.05	1.67	13.54	22.61091
07 Feb 07	1.35	14.45	15.00	15.55	16.10	16.65	1.67	13.18	22.04637
08 Feb 07	1.50	13.80	14.35	14.90	15.45	16.00	1.67	12.67	21.12249
09 Feb 07	1.65	14.10	14.65	15.20	15.75	16.30	1.67	12.94	21.65748
12 Feb 07	1.30	14.20	14.75	15.30	15.85	16.40	1.68	12.97	21.75431
13 Feb 07	1.25	13.70	14.25	14.80	15.35	15.90	1.67	12.54	20.98943
14 Feb 07	1.20	13.60	14.15	14.70	15.25	15.80	1.67	12.45	20.84839
15 Feb 07	1.15	13.65	14.20	14.75	15.30	15.85	1.67	12.48	20.90178
16 Feb 07	1.15	13.70	14.25	14.80	15.35	15.90	1.67	12.53	20.90707
19 Feb 07	0.80	12.75	13.30	13.85	14.40	14.95	1.67	11.68	19.51137
20 Feb 07	0.90	12.25	12.80	13.30	13.80	14.35	1.67	11.23	18.78479
21 Feb 07	0.95	12.90	13.45	14.00	14.55	15.10	1.66	11.83	19.63965
22 Feb 07	0.90	13.05	13.60	14.15	14.70	15.25	1.66	11.94	19.86368
23 Feb 07	0.95	14.05	15.05	15.60	16.15	16.70	1.66	13.08	21.75623
26 Feb 07	1.00	15.30	15.85	16.40	16.95	17.50	1.66	13.83	22.98063
27 Feb 07	1.00	15.00	15.60	16.15	16.70	17.30	1.67	13.63	22.77724
28 Feb 07	0.95	14.90	15.45	16.00	16.55	17.10	1.68	13.49	22.63226
01 Mar 07	1.00	15.25	15.75	16.30	16.80	17.35	1.68	13.74	23.06199
02 Mar 07	1.10	14.85	15.40	15.95	16.50	17.05	1.69	13.48	22.71238
05 Mar 07	1.00	13.65	14.20	14.75	15.30	15.85	1.70	12.46	21.16049
06 Mar 07	1.05	13.75	14.30	14.80	15.30	15.85	1.69	12.51	21.18086
07 Mar 07	1.15	14.25	14.80	15.35	15.90	16.45	1.69	12.98	21.95731
08 Mar 07	1.15	14.75	15.30	15.80	16.40	16.95	1.69	13.39	22.60398
09 Mar 07	1.35	14.80	15.35	15.85	16.40	16.95	1.68	13.45	22.60002
12 Mar 07	1.35	15.10	15.65	16.20	16.75	17.30	1.68	13.73	23.04817
13 Mar 07	1.25	15.00	15.60	16.20	16.80	17.40	1.68	13.71	23.07543
14 Mar 07	1.25	15.00	15.60	16.15	16.75	17.35	1.68	13.68	23.05327
15 Mar 07	1.25	15.50	16.05	16.60	17.25	17.80	1.68	14.08	23.58853
16 Mar 07	1.20	15.45	16.00	16.55	17.10	17.65	1.67	13.99	23.38837
19 Mar 07	1.05	15.60	16.15	16.70	17.25	17.80	1.66	14.09	23.45152
20 Mar 07	1.05	16.50	17.05	17.60	18.15	18.70	1.66	14.84	24.59009
21 Mar 07	1.05	16.45	17.00	17.55	18.10	18.65	1.66	14.80	24.5198
22 Mar 07	1.00	16.45	17.00	17.50	18.05	18.60	1.65	14.77	24.40108
23 Mar 07	1.00	16.35	16.90	17.40	17.95	18.50	1.65	14.68	24.21753
26 Mar 07	1.00	17.25	17.80	18.35	18.90	19.45	1.65	15.46	25.43926
27 Mar 07	1.04	16.95	17.50	18.05	18.60	19.15	1.65	15.22	25.1223
28 Mar 07	1.20	17.34	17.86	18.39	18.91	19.44	1.65	15.52	25.66836
29 Mar 07	1.36	17.49	18.02	18.56	19.09	19.62	1.65	15.69	25.9364
30 Mar 07	1.31	17.48	18.03	18.58	19.13	19.68	1.65	15.70	25.91346
02 Apr 07	1.03	16.83	17.37	17.92	18.45	18.98	1.64	15.10	24.70646
03 Apr 07	0.90	15.89	16.45	17.00	17.55	18.00	1.64	14.30	23.45002
04 Apr 07	0.85	16.13	16.67	17.22	17.77	18.31	1.63	14.49	23.6464
05 Apr 07	0.83	16.58	17.13	17.68	18.23	18.78	1.64	14.87	24.35228
09 Apr 07	0.83	16.04	16.59	17.14	17.69	18.24	1.63	14.42	23.57839
10 Apr 07	0.83	16.65	17.20	17.70	18.30	18.85	1.63	14.92	24.25554
11 Apr 07	0.80	17.03	17.58	18.13	18.68	19.23	1.63	15.24	24.8194
12 Apr 07	0.80	17.45	17.98	18.53	19.08	19.63	1.63	15.58	25.33526
13 Apr 07	0.76	17.83	18.35	18.88	19.40	19.93	1.62	15.86	25.75274
16 Apr 07	0.72	17.82	18.37	18.92	19.47	20.02	1.63	15.89	25.83326

17 Apr 07	0.68	17.80	18.34	18.88	19.42	19.96	1.62	15.85	25.69997
18 Apr 07	0.56	17.50	18.03	18.58	19.13	19.68	1.62	15.58	25.28852
19 Apr 07	0.51	17.14	17.69	18.24	18.79	19.34	1.63	15.29	24.90997
20 Apr 07	0.63	17.45	17.95	18.50	19.03	19.55	1.62	15.52	25.18602
23 Apr 07	0.68	18.00	18.54	19.07	19.61	20.14	1.63	16.01	26.09704
24 Apr 07	0.68	18.04	18.56	19.08	19.60	20.12	1.65	16.01	26.41472
25 Apr 07	0.64	18.22	18.74	19.26	19.78	20.30	1.64	16.16	26.42358
26 Apr 07	0.54	18.08	18.60	19.13	19.65	20.18	1.65	16.03	26.38519
27 Apr 07	0.53	18.15	18.69	19.22	19.76	20.29	1.64	16.11	26.46763
30 Apr 07	0.53	19.01	19.54	20.07	20.60	21.13	1.64	16.81	27.62148
01 May 07	0.58	19.35	19.87	20.40	20.93	21.46	1.64	17.10	28.09598
02 May 07	0.56	18.98	19.43	19.90	20.46	20.96	1.65	16.72	27.53119
03 May 07	0.54	19.10	19.40	19.85	20.30	20.75	1.64	16.66	27.38741
04 May 07	0.54	19.31	19.60	20.05	20.50	20.95	1.65	16.83	27.839
07 May 07	0.53	19.78	20.10	20.50	20.90	21.30	1.65	17.19	28.32292
08 May 07	0.47	19.84	20.00	20.43	20.88	21.33	1.63	17.16	28.04816
09 May 07	0.40	19.62	19.95	20.42	20.90	21.37	1.63	17.11	27.9444
10 May 07	0.30	19.35	19.68	20.12	20.55	20.98	1.63	16.83	27.40397
11 May 07	0.32	19.90	20.23	20.60	20.95	21.30	1.63	17.22	28.00337
14 May 07	0.33	20.39	20.74	21.17	21.59	22.02	1.63	17.71	28.81306
15 May 07	0.29	20.60	20.93	21.43	21.93	22.43	1.63	17.94	29.2458
16 May 07	0.33	20.84	21.17	21.67	22.17	22.67	1.64	18.14	29.76581
17 May 07	0.30	21.43	21.77	22.18	22.70	23.15	1.64	18.59	30.44759
18 May 07	0.28	21.75	22.10	22.60	23.11	23.61	1.64	18.91	30.99948
21 May 07	0.30	22.01	22.34	22.80	23.25	23.70	1.64	19.07	31.24529
22 May 07	0.29	21.75	22.13	22.50	22.95	23.40	1.64	18.84	30.92028
23 May 07	0.29	22.12	22.43	22.87	23.30	23.73	1.63	19.12	31.24107
24 May 07	0.29	23.25	23.57	24.07	24.57	25.07	1.64	20.14	33.03074
25 May 07	0.29	24.08	24.38	24.85	25.33	25.80	1.64	20.79	34.15802
28 May 07	0.30	24.15	24.45	24.92	25.40	25.87	1.64	20.85	34.22042
29 May 07	0.27	25.15	25.45	26.02	26.43	26.90	1.64	21.70	35.65849
30 May 07	0.27	22.97	23.30	23.80	24.30	24.80	1.63	19.91	32.49604
31 May 07	0.29	23.00	23.38	23.85	24.35	23.80	1.62	19.78	32.12908
01 Jun 07	0.29	23.88	24.22	24.67	25.12	25.57	1.62	20.63	33.30987
04 Jun 07	0.29	24.61	24.92	25.37	25.80	26.10	1.62	21.18	34.24427
05 Jun 07	0.28	23.36	23.55	23.90	24.40	24.90	1.61	20.07	32.38773
06 Jun 07	0.29	23.35	23.63	24.03	24.45	24.80	1.61	20.09	32.28532
07 Jun 07	0.27	22.77	23.04	23.45	23.80	24.10	1.60	19.57	31.23245
08 Jun 07	0.27	23.03	23.32	23.73	24.15	24.57	1.58	19.85	31.42624
11 Jun 07	0.25	22.78	23.08	23.45	23.75	24.05	1.58	19.56	30.94313
12 Jun 07	0.24	22.70	23.00	23.40	23.85	24.30	1.58	19.58	30.96525
13 Jun 07	0.22	23.65	23.95	24.40	24.85	25.30	1.58	20.40	32.31789
14 Jun 07	0.19	23.65	23.95	24.40	24.85	25.30	1.59	20.39	32.4554
15 Jun 07	0.17	22.78	23.13	23.53	23.95	24.40	1.59	19.66	31.23534
18 Jun 07	0.14	21.90	22.10	22.48	22.85	23.23	1.59	18.78	29.86042
19 Jun 07	0.14	21.19	21.40	21.80	22.25	22.70	1.59	18.25	28.94531
20 Jun 07	0.13	21.84	22.07	22.52	22.97	23.42	1.59	18.83	29.89426
21 Jun 07	0.12	21.62	21.91	22.36	22.81	23.26	1.58	18.68	29.5228
22 Jun 07	0.12	21.89	22.13	22.57	23.00	23.43	1.59	18.86	29.99642
25 Jun 07	0.11	21.18	21.48	21.88	22.31	22.73	1.59	18.28	29.08463
26 Jun 07	0.13	21.07	21.37	21.84	22.17	22.57	1.59	18.19	28.93351
27 Jun 07	0.13	21.43	21.73	22.11	22.48	22.86	1.61	18.46	29.6323
28 Jun 07	0.14	22.36	22.67	22.99	23.31	23.61	1.59	19.18	30.45575
29 Jun 07	0.13	22.29	22.61	23.01	23.41	23.81	1.60	19.21	30.66152
02 Jul 07	0.14	21.70	22.02	22.40	22.82	23.22	1.59	18.72	29.68553
03 Jul 07	0.13	21.16	21.49	21.89	22.29	22.71	1.59	18.28	29.11019
04 Jul 07	0.13	21.05	21.38	21.76	22.25	22.70	1.59	18.21	28.89982
05 Jul 07	0.14	21.48	21.80	22.13	22.55	22.98	1.59	18.51	29.39526
06 Jul 07	0.15	21.80	22.15	22.53	23.00	23.43	1.59	18.84	29.91936
09 Jul 07	0.14	21.12	21.45	21.74	22.16	22.58	1.58	18.20	28.82585
10 Jul 07	0.14	21.00	21.33	21.70	22.07	22.44	1.59	18.11	28.86603
11 Jul 07	0.14	20.67	21.00	21.40	21.75	22.04	1.59	17.83	28.44288
12 Jul 07	0.13	19.79	20.13	20.50	20.88	21.28	1.59	17.12	27.2581
13 Jul 07	0.13	19.89	20.21	20.63	21.02	21.40	1.59	17.21	27.28581
16 Jul 07	0.13	18.88	19.23	19.60	19.97	20.33	1.58	16.36	25.85294

17 Jul 07	0.14	19.25	19.58	19.93	20.28	20.63	1.58	16.64	26.27426
18 Jul 07	0.13	18.91	19.28	19.65	20.05	20.46	1.57	16.41	25.80774
19 Jul 07	0.12	19.35	19.72	20.10	20.50	20.85	1.57	16.77	26.30958
20 Jul 07	0.13	19.58	19.96	20.34	20.73	21.13	1.57	16.98	26.67855
23 Jul 07	0.12	19.25	19.62	20.00	20.34	20.72	1.56	16.68	26.05515
24 Jul 07	0.12	19.30	19.69	20.09	20.46	20.84	1.57	16.75	26.24944
25 Jul 07	0.12	19.98	20.38	20.75	21.13	21.50	1.55	17.31	26.87368
26 Jul 07	0.12	20.07	20.48	20.84	21.26	21.59	1.58	17.39	27.42546
27 Jul 07	0.12	20.30	20.68	21.00	21.42	21.79	1.60	17.55	28.08664
30 Jul 07	0.11	20.85	21.24	21.63	22.02	22.41	1.60	18.04	28.90214
31 Jul 07	0.12	21.15	21.54	21.92	22.30	22.68	1.61	18.29	29.39249
01 Aug 07	0.11	20.46	20.90	21.26	21.65	22.07	1.60	17.74	28.4428
02 Aug 07	0.09	20.70	21.11	21.48	21.88	22.30	1.60	17.93	28.62104
03 Aug 07	0.09	20.39	20.81	21.21	21.59	22.02	1.61	17.69	28.50051
06 Aug 07	0.09	19.60	20.02	20.42	20.82	21.23	1.61	17.03	27.35048
07 Aug 07	0.09	20.05	20.44	20.84	21.24	21.64	1.61	17.38	27.90389
08 Aug 07	0.10	19.91	20.32	20.74	21.14	21.55	1.60	17.29	27.6765
09 Aug 07	0.10	19.65	20.08	20.48	20.89	21.30	1.61	17.08	27.48092
10 Aug 07	0.10	19.06	19.49	19.87	20.27	20.68	1.62	16.58	26.8795
13 Aug 07	0.10	19.60	20.00	20.37	20.78	21.20	1.62	17.01	27.46914
14 Aug 07	0.11	19.40	19.86	20.29	20.69	21.15	1.62	16.92	27.43453
15 Aug 07	0.11	19.65	20.13	20.58	21.01	21.50	1.64	17.16	28.11958
16 Aug 07	0.11	19.29	19.77	20.24	20.73	21.24	1.70	16.90	28.64707
17 Aug 07	0.11	19.40	19.90	20.37	20.85	21.36	1.69	17.00	28.73782
20 Aug 07	0.11	19.20	19.77	20.24	20.74	21.25	1.67	16.89	28.21618
21 Aug 07	0.11	19.18	19.81	20.42	21.01	21.60	1.68	17.02	28.60451
22 Aug 07	0.11	18.63	19.30	19.94	20.59	21.23	1.68	16.63	27.92238
23 Aug 07	0.11	18.81	19.49	20.17	20.90	21.62	1.65	16.85	27.86721
24 Aug 07	0.11	18.63	19.30	19.99	20.71	21.44	1.65	16.70	27.60736
27 Aug 07	0.11	18.40	19.05	19.75	20.45	21.20	1.65	16.49	27.14256
28 Aug 07	0.11	19.38	20.00	20.66	21.32	21.97	1.67	17.24	28.7443
29 Aug 07	0.10	19.93	20.53	21.02	21.67	22.39	1.66	17.61	29.2995
30 Aug 07	0.11	19.40	19.99	20.59	21.16	21.75	1.67	17.17	28.7096
31 Aug 07	0.10	19.40	19.98	20.59	21.19	21.78	1.66	17.17	28.584
03 Sep 07	0.10	19.77	20.37	20.97	21.57	22.17	1.66	17.49	29.0313
04 Sep 07	0.10	20.91	21.50	22.09	22.68	23.27	1.65	18.43	30.41615
05 Sep 07	0.10	20.25	20.85	21.45	22.05	22.65	1.66	17.89	29.6761
06 Sep 07	0.10	20.53	21.13	21.73	22.33	22.93	1.65	18.13	29.91174
07 Sep 07	0.10	20.47	21.07	21.67	22.27	22.87	1.66	18.08	30.08272
10 Sep 07	0.09	20.31	20.91	21.51	22.11	22.71	1.67	17.94	29.99247
11 Sep 07	0.08	20.76	21.37	21.97	22.57	23.17	1.66	18.32	30.36612
12 Sep 07	0.09	21.10	21.70	22.30	22.90	23.50	1.65	18.60	30.67734
13 Sep 07	0.07	20.53	21.14	21.73	22.35	22.92	1.65	18.12	29.91644
14 Sep 07	0.07	20.70	21.29	21.87	22.46	23.05	1.65	18.24	30.03409
17 Sep 07	0.07	20.54	21.10	21.67	22.23	22.80	1.67	18.07	30.10479
18 Sep 07	0.06	20.80	21.30	21.80	22.35	22.90	1.64	18.20	29.87004
19 Sep 07	0.08	21.28	21.76	22.26	22.75	23.30	1.63	18.57	30.28864
20 Sep 07	0.08	21.77	22.22	22.67	23.12	23.57	1.63	18.91	30.854
21 Sep 07	0.08	21.75	22.20	22.75	23.25	23.75	1.63	18.96	30.88679
24 Sep 07	0.08	21.75	22.24	22.73	23.22	23.71	1.62	18.96	30.75356
25 Sep 07	0.08	21.39	21.86	22.34	22.83	23.32	1.62	18.64	30.18538
26 Sep 07	0.08	21.30	21.77	22.23	22.70	23.17	1.61	18.54	29.90787
27 Sep 07	0.08	21.60	22.06	22.54	23.00	23.47	1.61	18.79	30.18671
28 Sep 07	0.08	21.68	22.13	22.58	23.04	23.63	1.61	18.86	30.28556
01 Oct 07	0.07	21.60	22.10	22.58	23.06	23.60	1.59	18.84	29.98107
02 Oct 07	0.08	21.70	22.20	22.72	23.20	23.85	1.60	18.96	30.32972
03 Oct 07	0.07	21.38	21.91	22.46	22.98	23.60	1.60	18.73	29.92609
04 Oct 07	0.07	21.56	22.14	22.71	23.25	24.01	1.59	18.96	30.18307
05 Oct 07	0.11	21.52	22.11	22.70	23.30	24.07	1.57	18.97	29.86136
08 Oct 07	0.07	21.67	22.21	22.78	23.34	23.97	1.57	19.01	29.90683
09 Oct 07	0.07	21.65	22.23	22.83	23.45	24.10	1.57	19.06	29.87685
10 Oct 07	0.07	22.18	22.77	23.39	24.02	24.67	1.58	19.52	30.75463
11 Oct 07	0.07	22.36	22.92	23.53	24.16	24.80	1.58	19.64	30.95153
12 Oct 07	0.07	22.35	22.93	23.54	24.17	24.82	1.57	19.65	30.81702
15 Oct 07	0.07	22.60	23.18	23.70	24.32	24.95	1.58	19.80	31.31627

16 Oct 07	0.07	22.82	23.38	23.95	24.52	25.13	1.60	19.98	31.92515
17 Oct 07	0.07	23.00	23.52	24.10	24.68	25.46	1.60	20.14	32.12371
18 Oct 07	0.07	22.83	23.40	23.97	24.55	25.20	1.60	20.00	31.9165
19 Oct 07	0.07	22.62	23.16	23.72	24.29	24.92	1.60	19.80	31.73678
22 Oct 07	0.07	22.16	22.71	23.27	23.84	24.43	1.60	19.41	31.10248
23 Oct 07	0.07	22.34	22.89	23.45	24.01	24.61	1.59	19.56	31.06344
24 Oct 07	0.07	22.55	23.09	23.66	24.23	24.83	1.58	19.74	31.21732
25 Oct 07	0.07	22.78	23.32	23.97	24.52	25.17	1.58	19.97	31.4949
26 Oct 07	0.07	22.72	23.31	23.88	24.44	25.00	1.57	19.90	31.19099
29 Oct 07	0.07	22.88	23.48	24.02	24.60	25.20	1.57	20.04	31.39359
30 Oct 07	0.07	22.17	22.76	23.29	23.87	24.46	1.57	19.44	30.47857
31 Oct 07	0.09	22.27	22.81	23.39	23.99	24.59	1.55	19.52	30.33085
01 Nov 07	0.08	21.70	22.26	22.83	23.41	23.98	1.57	19.04	29.98741
02 Nov 07	0.08	21.50	22.05	22.66	23.20	23.76	1.57	18.88	29.7235
05 Nov 07	0.07	21.50	22.05	22.61	23.17	23.74	1.57	18.86	29.65774
06 Nov 07	0.07	21.52	22.02	22.57	23.14	23.70	1.57	18.84	29.60364
07 Nov 07	0.10	21.62	22.17	22.72	23.27	23.83	1.57	18.95	29.82651
08 Nov 07	0.11	21.65	22.18	22.73	23.28	23.84	1.59	18.97	30.09927
09 Nov 07	0.10	21.85	22.38	22.92	23.47	24.02	1.60	19.12	30.662
12 Nov 07	0.10	21.91	22.44	22.99	23.56	24.15	1.65	19.19	31.60596
13 Nov 07	0.10	22.30	22.86	23.41	23.97	24.65	1.64	19.55	32.03947
14 Nov 07	0.09	22.97	23.51	24.11	24.71	25.41	1.63	20.13	32.83444
15 Nov 07	0.09	22.60	23.14	23.73	24.35	25.07	1.65	19.83	32.63054
16 Nov 07	0.08	22.54	23.09	23.69	24.32	25.04	1.64	19.79	32.54896
19 Nov 07	0.08	22.85	23.37	23.94	24.55	25.29	1.66	20.01	33.19107
20 Nov 07	0.07	23.74	24.29	24.91	25.53	26.34	1.68	20.81	34.8696
21 Nov 07	0.07	23.72	24.23	24.83	25.45	26.16	1.70	20.74	35.28591
22 Nov 07	0.08	23.70	24.21	24.81	25.41	26.18	1.70	20.73	35.34644
23 Nov 07	0.08	23.69	24.21	24.81	25.41	26.20	1.69	20.73	35.12168
26 Nov 07	0.07	23.80	24.31	24.91	25.54	26.35	1.70	20.83	35.4071
27 Nov 07	0.07	23.53	24.02	24.62	25.24	26.03	1.70	20.59	34.93923
28 Nov 07	0.07	23.29	23.81	24.41	25.01	25.82	1.67	20.40	34.0131
29 Nov 07	0.04	22.70	23.23	23.82	24.43	25.23	1.68	19.91	33.36222
30 Nov 07	0.01	22.35	22.88	23.46	24.09	24.89	1.66	19.61	32.58973
03 Dec 07	0.03	22.98	23.49	24.07	24.71	25.53	1.66	20.14	33.50572
04 Dec 07	0.03	23.40	23.94	24.55	25.18	25.99	1.69	20.52	34.64022
05 Dec 07	0.03	22.81	23.35	23.96	24.58	25.39	1.68	20.02	33.64083
06 Dec 07	0.03	22.77	23.31	23.92	24.52	25.32	1.67	19.98	33.42526
07 Dec 07	0.03	22.30	22.85	23.46	24.02	24.82	1.67	19.58	32.67786
10 Dec 07	0.03	22.43	22.97	23.55	24.13	24.93	1.66	19.67	32.73175
11 Dec 07	0.03	22.51	23.06	23.63	24.23	25.02	1.66	19.75	32.69498
12 Dec 07	0.03	22.70	23.22	23.81	24.40	25.22	1.66	19.90	33.12573
13 Dec 07	0.03	22.80	23.35	23.92	24.53	25.32	1.67	19.99	33.34791
14 Dec 07	0.03	22.65	23.17	23.75	24.37	25.16	1.67	19.86	33.20868
17 Dec 07	0.01	22.35	22.87	23.45	24.03	24.83	1.68	19.59	32.84219
18 Dec 07		22.60	23.14	23.72	24.32	25.09	1.68	23.77	39.90794
19 Dec 07		22.45	22.99	23.58	24.21	25.03	1.67	23.65	39.59729
20 Dec 07		22.30	22.84	23.42	24.05	24.82	1.67	23.49	39.24157
21 Dec 07		21.93	22.53	23.11	23.72	24.48	1.66	23.15	38.38501
24 Dec 07		22.00	22.55	23.11	23.73	24.51	1.65	23.18	38.33998
27 Dec 07		21.87	22.38	22.97	23.65	24.43	1.67	23.06	38.4317
28 Dec 07		22.21	22.72	23.28	23.91	24.75	1.68	23.37	39.35953
31 Dec 07		22.41	22.94	23.51	24.14	24.97	1.67	23.59	39.29199
02 Jan 08		22.92	23.46	24.05	24.74	25.43	1.67	24.12	40.25339
03 Jan 08		23.54	24.06	24.65	25.31	26.12	1.67	24.74	41.39918
04 Jan 08		23.55	24.07	24.63	25.32	26.12	1.69	24.74	41.80943
07 Jan 08		23.66	24.18	24.77	25.43	26.25	1.69	24.86	41.97292
08 Jan 08		23.70	24.23	24.84	25.43	26.29	1.66	24.90	41.44697
09 Jan 08		23.42	23.95	24.55	25.18	26.00	1.67	24.62	41.03065
10 Jan 08		23.11	23.66	24.24	24.88	25.67	1.65	24.31	40.23441
11 Jan 08		23.11	23.63	24.21	24.70	25.67	1.66	24.26	40.25358
14 Jan 08		23.41	23.93	24.50	25.12	25.99	1.66	24.59	40.75092
15 Jan 08		23.17	23.69	24.28	24.91	25.74	1.67	24.36	40.62308
16 Jan 08		22.75	23.24	23.84	24.49	25.33	1.67	23.93	39.94965
17 Jan 08		22.23	22.70	23.26	23.87	24.80	1.66	23.38	38.89919

18 Jan 08	22.28	22.76	23.31	23.94	24.86	1.66	23.43	39.00453
21 Jan 08	20.84	21.32	21.85	22.45	23.40	1.68	21.97	36.86012
22 Jan 08	20.31	20.78	21.32	21.98	22.88	1.68	21.45	36.05817
23 Jan 08	20.03	20.50	21.04	21.68	22.57	1.68	21.16	35.57712
24 Jan 08	19.76	20.21	20.75	21.39	22.33	1.68	20.89	35.04732
25 Jan 08	21.04	21.48	22.01	22.65	23.60	1.67	22.16	36.98396
28 Jan 08	20.65	21.10	21.63	22.28	23.21	1.67	21.77	36.30423
29 Jan 08	20.70	21.17	21.69	22.33	23.25	1.66	21.83	36.31657
30 Jan 08	20.08	20.55	21.08	21.72	22.65	1.66	21.22	35.29403
31 Jan 08	19.10	19.57	20.10	20.75	21.66	1.66	20.24	33.49178
01 Feb 08	19.22	19.67	20.20	20.84	21.76	1.64	20.34	33.39355
04 Feb 08	19.19	19.67	20.18	20.82	21.74	1.63	20.32	33.15496
05 Feb 08	18.84	19.33	19.84	20.47	21.39	1.63	19.97	32.60759
06 Feb 08	19.97	20.45	20.97	21.65	22.61	1.63	21.13	34.47446
07 Feb 08	20.44	20.90	21.42	22.10	23.03	1.62	21.58	34.91431
08 Feb 08	20.39	20.88	21.41	22.10	23.03	1.62	21.56	34.95125
11 Feb 08	20.16	20.63	21.18	21.87	22.80	1.60	21.33	34.22835
12 Feb 08	19.97	20.43	21.01	21.72	22.66	1.61	21.16	34.12043
13 Feb 08	19.93	20.41	20.98	21.68	22.61	1.63	21.12	34.43073
14 Feb 08	20.72	21.21	21.81	22.46	23.40	1.62	21.92	35.50431
15 Feb 08	20.87	21.35	21.95	22.61	23.59	1.62	22.07	35.69107
18 Feb 08	20.93	21.41	22.01	22.69	23.65	1.61	22.14	35.53493
19 Feb 08	21.64	22.13	22.74	23.42	24.37	1.60	22.86	36.55542
20 Feb 08	21.50	22.00	22.60	23.25	24.21	1.60	22.71	36.38971
21 Feb 08	21.70	22.18	22.81	23.51	24.45	1.61	22.93	36.95066
22 Feb 08	21.48	21.96	22.61	23.28	24.22	1.61	22.71	36.51943
25 Feb 08	21.59	22.09	22.74	23.34	24.31	1.60	22.81	36.58847
26 Feb 08	21.35	21.85	22.50	23.15	24.11	1.60	22.59	36.22305
27 Feb 08	21.26	21.78	22.41	23.10	24.05	1.61	22.52	36.18808
28 Feb 08	21.16	21.66	22.31	23.02	23.93	1.60	22.42	35.91915
29 Feb 08	21.31	21.83	22.51	23.21	24.15	1.63	22.60	36.72835
03 Mar 08	20.88	21.40	22.14	22.80	23.74	1.62	22.19	35.86616
04 Mar 08	20.67	21.19	21.91	22.66	23.59	1.65	22.00	36.26339
05 Mar 08	21.24	21.78	22.51	23.26	24.20	1.64	22.60	37.05659
06 Mar 08	21.35	21.89	22.62	23.36	24.30	1.66	22.70	37.5969
07 Mar 08	21.38	21.92	22.67	23.40	24.34	1.65	22.74	37.56517
10 Mar 08	21.66	22.21	23.03	23.88	24.77	1.67	23.11	38.62803
11 Mar 08	21.86	22.41	23.14	23.88	24.86	1.65	23.23	38.42859
12 Mar 08	21.95	22.48	23.19	24.02	24.98	1.66	23.32	38.69784
13 Mar 08	22.55	23.10	23.81	24.64	25.59	1.65	23.94	39.44987
14 Mar 08	22.21	22.76	23.52	24.30	25.28	1.67	23.61	39.48375
17 Mar 08	21.43	21.97	22.65	23.45	24.38	1.71	22.78	39.0027
18 Mar 08	21.66	22.22	22.92	23.73	24.67	1.69	23.04	38.98855
19 Mar 08	21.56	22.12	22.83	23.63	24.60	1.71	22.95	39.12914
20 Mar 08	21.97	22.54	23.26	24.05	25.02	1.71	23.37	40.06845
25 Mar 08	22.54	23.12	23.83	24.64	25.60	1.70	23.95	40.76307
26 Mar 08	22.51	23.10	23.79	24.55	25.56	1.72	23.90	41.16311
27 Mar 08	22.26	22.84	23.53	24.31	25.28	1.71	23.64	40.53072
28 Mar 08	21.76	22.34	23.02	23.77	24.75	1.72	23.13	39.76914
31 Mar 08	22.27	22.85	23.53	24.29	25.28	1.73	23.64	40.84975
01 Apr 08	22.52	23.10	23.81	24.54	25.53	1.72	23.90	41.17891
02 Apr 08	23.42	24.00	24.71	25.43	26.41	1.72	24.79	42.52716
03 Apr 08	23.47	24.09	24.79	25.51	26.50	1.71	24.87	42.5176
04 Apr 08	23.31	23.96	24.61	25.35	26.34	1.70	24.71	42.1265
07 Apr 08	23.82	24.48	25.15	25.86	26.85	1.70	25.23	42.7728
08 Apr 08	23.51	24.18	24.87	25.58	26.55	1.69	24.94	42.11126
09 Apr 08	23.69	24.35	25.05	25.76	26.74	1.70	25.12	42.80502
10 Apr 08	24.44	25.08	25.78	26.50	27.48	1.69	25.86	43.6506
11 Apr 08	24.38	25.01	25.70	26.44	27.43	1.70	25.79	43.89006
14 Apr 08	25.00	25.63	26.34	27.09	28.07	1.71	26.43	45.16074
15 Apr 08	25.14	25.78	26.47	27.23	28.22	1.71	26.57	45.37995
16 Apr 08	24.80	25.45	26.15	26.90	27.89	1.70	26.24	44.54426
17 Apr 08	24.69	25.35	26.07	26.81	27.80	1.70	26.14	44.35405
18 Apr 08	24.51	25.16	25.87	26.65	27.64	1.69	25.97	43.92773
21 Apr 08	25.23	25.87	26.70	27.39	28.38	1.69	26.71	45.12068

22 Apr 08	25.34	25.99	26.76	27.46	28.45	1.69	26.80	45.34755
23 Apr 08	25.00	25.66	26.38	27.10	28.09	1.67	26.45	44.24457
24 Apr 08	24.51	25.13	25.87	26.61	27.55	1.67	25.93	43.24395
25 Apr 08	24.74	25.38	26.13	26.87	27.86	1.67	26.20	43.81191
28 Apr 08	24.63	25.27	26.01	26.79	27.78	1.67	26.10	43.50298
29 Apr 08	24.19	24.84	25.58	26.34	27.33	1.67	25.66	42.74743
30 Apr 08	23.88	24.54	25.31	26.04	27.03	1.66	25.36	41.98501
01 May 08	23.56	24.22	24.95	25.67	26.66	1.65	25.01	41.39147
02 May 08	24.50	25.15	25.81	26.51	27.39	1.65	25.87	42.59338
06 May 08	25.31	25.97	26.69	27.45	28.43	1.63	26.77	43.73038
07 May 08	25.03	25.67	26.40	27.18	28.13	1.63	26.48	43.2878
08 May 08	24.91	25.55	26.27	27.04	27.98	1.63	26.35	42.97012
09 May 08	25.17	25.82	26.52	27.29	28.28	1.64	26.62	43.68162
12 May 08	25.39	26.02	26.74	27.52	28.52	1.64	26.84	44.02195
13 May 08	25.04	25.67	26.37	27.14	28.14	1.64	26.47	43.52495
14 May 08	24.46	25.06	25.78	26.56	27.56	1.65	25.88	42.82814
15 May 08	24.68	25.30	26.01	26.76	27.75	1.64	26.10	42.85479
16 May 08	24.89	25.48	26.21	26.95	27.93	1.63	26.29	42.92659
19 May 08	25.31	25.91	26.61	27.33	28.33	1.63	26.70	43.42471
20 May 08	25.36	25.97	26.66	27.39	28.39	1.63	26.75	43.73289
21 May 08	25.73	26.35	27.03	27.78	28.77	1.64	27.13	44.49296
22 May 08	26.06	26.68	27.41	28.10	29.08	1.64	27.47	45.15804
23 May 08	26.11	26.72	27.41	28.14	29.14	1.64	27.50	45.1612
26 May 08	26.38	26.90	27.40	27.95	28.90	1.64	27.51	45.14669
27 May 08	26.34	26.95	27.59	28.31	29.30	1.64	27.70	45.3306
28 May 08	26.19	26.77	27.42	28.10	29.09	1.63	27.51	44.71786
29 May 08	26.59	27.15	27.79	28.53	29.44	1.62	27.90	45.21162
30 May 08	26.10	26.69	27.33	28.05	29.01	1.63	27.44	44.62325
02 Jun 08	26.34	26.93	27.56	28.29	29.26	1.63	27.68	45.0327
03 Jun 08	27.13	27.74	28.39	29.08	30.09	1.62	28.49	46.26918
04 Jun 08	26.60	27.21	27.84	28.56	29.56	1.61	27.95	45.08449
05 Jun 08	26.44	27.05	27.69	28.46	29.49	1.63	27.83	45.27264
06 Jun 08	27.54	28.17	28.86	29.59	30.65	1.64	28.96	47.434
09 Jun 08	27.49	28.13	28.79	29.55	30.61	1.65	28.91	47.58534
10 Jun 08	27.20	27.84	28.52	29.27	30.34	1.63	28.63	46.7696
11 Jun 08	27.32	27.97	28.63	29.39	30.45	1.64	28.75	47.22145
12 Jun 08	27.16	27.81	28.47	29.24	30.29	1.65	28.59	47.1781
13 Jun 08	27.00	27.65	28.32	29.08	30.14	1.64	28.44	46.53096
16 Jun 08	27.13	27.77	28.45	29.22	30.29	1.65	28.57	47.00462
17 Jun 08	27.24	27.87	28.55	29.31	30.37	1.64	28.67	47.10205
18 Jun 08	27.50	28.16	28.84	29.60	30.71	1.64	28.96	47.52291
19 Jun 08	27.64	28.33	29.04	29.84	31.04	1.63	29.18	47.54445
20 Jun 08	27.41	28.11	28.83	29.63	30.83	1.64	28.96	47.4221
23 Jun 08	27.77	28.50	29.28	30.10	31.35	1.63	29.40	47.95882
24 Jun 08	27.78	28.63	29.45	30.39	31.72	1.63	29.59	48.25329
25 Jun 08	27.59	28.42	29.27	30.26	31.66	1.63	29.44	48.11121
26 Jun 08	27.88	28.81	29.77	30.86	32.28	1.65	29.92	49.2969
27 Jun 08	28.34	29.29	30.24	31.42	32.82	1.64	30.42	50.00249
30 Jun 08	28.77	29.80	30.79	31.93	33.37	1.64	30.93	50.82857
01 Jul 08	29.33	30.53	31.71	32.90	34.38	1.66	31.77	52.59106
02 Jul 08	27.99	29.19	30.26	31.49	32.85	1.65	30.36	50.07561
03 Jul 08	27.45	28.64	29.74	30.98	32.46	1.63	29.85	48.78912
04 Jul 08	27.64	29.00	30.10	31.17	32.70	1.63	30.12	49.06976
07 Jul 08	27.51	28.67	29.82	30.92	32.32	1.64	29.85	49.05391
08 Jul 08	25.79	26.85	27.88	28.99	30.34	1.64	27.97	45.8877
09 Jul 08	26.02	27.11	28.12	29.17	30.51	1.65	28.19	46.42521
10 Jul 08	26.68	27.87	28.94	30.06	31.53	1.64	29.02	47.57756
11 Jul 08	27.45	28.75	29.85	31.00	32.48	1.65	29.91	49.29654
14 Jul 08	27.26	28.56	29.64	30.78	32.27	1.64	29.70	48.59725
15 Jul 08	26.32	27.61	28.71	29.85	31.32	1.62	28.76	46.72425
16 Jul 08	25.03	26.20	27.23	28.17	29.49	1.62	27.22	44.19855
17 Jul 08	25.76	26.89	27.85	28.82	30.17	1.63	27.90	45.55694
18 Jul 08	24.50	25.61	26.47	27.54	28.95	1.63	26.61	43.44138
21 Jul 08	24.49	25.59	26.52	27.49	28.79	1.63	26.58	43.32397
22 Jul 08	24.67	25.83	26.75	27.78	29.11	1.62	26.83	43.59012

23 Jul 08	24.74	25.85	26.89	27.99	29.31	1.63	26.96	43.95184
24 Jul 08	25.14	26.32	27.39	28.50	29.85	1.63	27.44	44.83007
25 Jul 08	24.94	26.11	27.21	28.38	29.68	1.64	27.26	44.74414
28 Jul 08	24.41	25.53	26.57	27.68	28.99	1.65	26.64	43.82655
29 Jul 08	23.63	24.72	25.76	26.85	28.08	1.64	25.81	42.22642
30 Jul 08	22.70	23.79	24.81	25.85	27.06	1.65	24.84	41.0125
31 Jul 08	22.06	23.10	24.12	25.17	26.39	1.66	24.17	40.00885
01 Aug 08	21.38	22.38	23.36	24.42	25.64	1.67	23.44	39.20562
04 Aug 08	21.21	22.25	23.26	24.31	25.56	1.68	23.32	39.08238
05 Aug 08	21.67	22.70	23.71	24.76	25.98	1.69	23.76	40.11076
06 Aug 08	22.26	23.33	24.37	25.49	26.76	1.70	24.44	41.46208
07 Aug 08	22.82	23.89	24.97	26.15	27.42	1.69	25.05	42.35241
08 Aug 08	22.61	23.70	24.73	25.83	27.09	1.69	24.79	41.87277
11 Aug 08	22.65	23.74	24.80	25.90	27.21	1.69	24.86	41.95868
12 Aug 08	23.31	24.38	25.38	26.59	27.93	1.71	25.52	43.52341
13 Aug 08	23.67	24.78	25.81	26.97	28.28	1.70	25.90	44.12736
14 Aug 08	23.43	24.50	25.52	26.64	27.95	1.70	25.61	43.54502
15 Aug 08	23.19	24.22	25.20	26.34	27.60	1.69	25.31	42.87255
18 Aug 08	23.59	24.68	25.68	26.80	28.07	1.69	25.76	43.64002
19 Aug 08	23.73	24.78	25.76	26.86	28.14	1.70	25.85	43.84158
20 Aug 08	24.42	25.49	26.50	27.61	28.92	1.69	26.59	44.89045
21 Aug 08	24.72	25.80	26.80	27.93	29.26	1.69	26.90	45.52285
22 Aug 08	24.58	25.67	26.67	27.80	29.13	1.70	26.77	45.63108
25 Aug 08	24.37	25.46	26.50	27.67	29.07	1.71	26.61	45.47093
26 Aug 08	24.72	25.81	26.80	27.92	29.25	1.71	26.90	46.0443
27 Aug 08	25.14	26.25	27.27	28.32	29.67	1.71	27.33	46.86389
28 Aug 08	25.17	26.28	27.27	28.40	29.74	1.71	27.37	46.69375
29 Aug 08	25.19	26.29	27.24	28.38	29.68	1.71	27.36	46.73668
01 Sep 08	24.96	26.06	27.00	28.14	29.45	1.72	27.12	46.56483
02 Sep 08	24.72	25.80	26.74	27.84	29.14	1.73	26.85	46.44418
03 Sep 08	24.45	25.52	26.47	27.61	28.91	1.73	26.59	46.13678
04 Sep 08	24.65	25.72	26.68	27.84	29.13	1.74	26.80	46.59812
05 Sep 08	24.40	25.46	26.42	27.57	28.86	1.75	26.54	46.46062
08 Sep 08	24.19	25.25	26.20	27.25	28.55	1.73	26.29	45.46833
09 Sep 08	22.86	23.91	24.84	25.87	27.06	1.76	24.91	43.89645
10 Sep 08	22.77	23.81	24.76	25.71	26.96	1.75	24.80	43.35807
11 Sep 08	23.07	24.11	25.03	25.99	27.24	1.74	25.09	43.66609
12 Sep 08	23.90	24.95	25.79	26.82	28.07	1.73	25.91	44.75251
15 Sep 08	23.03	24.07	24.94	25.94	27.20	1.77	25.04	44.36289
16 Sep 08	22.91	23.93	24.81	25.78	27.07	1.77	24.90	43.9805
17 Sep 08	23.25	24.29	25.17	26.19	27.50	1.80	25.28	45.58944
18 Sep 08	23.78	24.83	25.71	26.74	28.04	1.79	25.82	46.10504
19 Sep 08	24.68	25.73	26.61	27.66	28.98	1.73	26.73	46.36375
22 Sep 08	24.85	25.89	26.75	27.83	29.15	1.75	26.89	46.97557
23 Sep 08	25.06	26.05	26.84	27.94	29.27	1.76	27.03	47.47831
24 Sep 08	24.65	25.57	26.32	27.43	28.69	1.75	26.53	46.53646
25 Sep 08	24.67	25.55	26.27	27.32	28.53	1.75	26.47	46.31071
26 Sep 08	24.45	25.43	26.17	27.20	28.50	1.76	26.35	46.35731
29 Sep 08	23.19	24.11	24.84	25.89	27.14	1.80	25.03	45.058
30 Sep 08	22.35	23.29	24.05	25.06	26.23	1.78	24.20	43.08924
01 Oct 08	22.83	23.84	24.56	25.59	26.82	1.78	24.73	43.94033
02 Oct 08	23.14	24.09	24.85	25.90	27.10	1.79	25.02	44.65754
03 Oct 08	23.07	24.01	24.80	25.82	27.01	1.78	24.94	44.35694
06 Oct 08	22.08	23.01	23.77	24.75	25.90	1.92	23.90	45.79248
07 Oct 08	22.25	23.09	23.78	24.69	25.77	1.91	23.92	45.59981
08 Oct 08	21.81	22.60	23.23	24.19	25.29	2.02	23.42	47.40562
09 Oct 08	22.50	23.36	24.01	24.96	26.15	1.96	24.20	47.41924
10 Oct 08	22.04	22.81	23.42	24.30	25.44	2.09	23.60	49.35742
13 Oct 08	22.84	23.40	23.98	24.88	25.94	1.99	24.21	48.09132
14 Oct 08	23.29	23.80	24.42	25.29	26.34	1.95	24.63	48.11227
15 Oct 08	22.82	23.31	24.01	24.90	25.97	2.01	24.20	48.55645
16 Oct 08	21.91	22.67	23.42	24.21	25.45	1.96	23.53	46.131
17 Oct 08	21.68	22.43	23.19	24.08	25.27	1.94	23.33	45.17594
20 Oct 08	21.80	22.49	23.26	24.21	25.38	1.90	23.43	44.48063
21 Oct 08	21.25	21.87	22.62	23.55	24.73	1.92	22.80	43.70486

22 Oct 08	19.90	20.57	21.25	22.19	23.40	1.91	21.46	41.05031
23 Oct 08	20.19	20.74	21.35	22.27	23.48	1.96	21.61	42.43386
24 Oct 08	19.14	19.70	20.28	21.19	22.32	2.03	20.53	41.67081
27 Oct 08	17.87	18.37	18.83	19.52	20.51	2.06	19.02	39.25081
28 Oct 08	17.63	18.15	18.54	19.19	20.16	1.98	18.73	37.08089
29 Oct 08	18.45	18.98	19.39	20.00	21.01	1.93	19.57	37.69849
30 Oct 08	18.12	18.70	19.14	19.76	20.85	1.90	19.31	36.74986
31 Oct 08	17.94	18.55	18.94	19.48	20.58	1.91	19.12	36.44567
03 Nov 08	18.25	18.88	19.24	19.82	20.95	1.86	19.43	36.22173
04 Nov 08	18.94	19.57	19.97	20.57	21.69	1.87	20.15	37.5967
05 Nov 08	18.54	19.17	19.60	20.23	21.35	1.88	19.78	37.11883
06 Nov 08	18.20	18.82	19.26	19.87	21.00	1.91	19.43	37.06866
07 Nov 08	18.69	19.34	19.75	20.43	21.65	1.89	19.97	37.69669
10 Nov 08	18.51	19.15	19.65	20.43	21.64	1.90	19.88	37.81081
11 Nov 08	17.94	18.60	19.15	19.92	21.13	1.91	19.35	36.91023
12 Nov 08	17.95	18.55	19.05	19.82	20.91	1.96	19.26	37.69855
13 Nov 08	17.95	18.50	18.97	19.75	20.80	1.95	19.19	37.44051
14 Nov 08	17.43	18.05	18.55	19.31	20.41	1.93	18.75	36.21256
17 Nov 08	17.03	17.69	18.23	19.01	20.13	1.94	18.42	35.66638
18 Nov 08	16.55	17.25	17.81	18.56	19.70	1.94	17.97	34.89459
19 Nov 08	16.33	17.03	17.60	18.35	19.43	1.94	17.75	34.45562
20 Nov 08	14.92	15.54	16.05	16.76	17.70	2.02	16.19	32.79015
21 Nov 08	15.03	15.68	16.28	16.88	17.79	2.02	16.33	32.96547
24 Nov 08	15.86	16.55	17.13	17.78	18.72	1.99	17.21	34.23277
25 Nov 08	15.76	16.46	17.10	17.73	18.68	2.01	17.15	34.42936
26 Nov 08	15.63	16.27	16.80	17.54	18.41	1.98	16.93	33.5336
27 Nov 08	16.31	17.05	17.73	18.29	19.23	1.95	17.72	34.60379
28 Nov 08	15.52	16.19	16.88	17.57	18.51	1.94	16.93	32.83892
01 Dec 08	15.53	16.21	16.90	17.53	18.42	1.95	16.92	33.05651
02 Dec 08	15.36	16.05	16.74	17.39	18.27	1.99	16.76	33.30178
03 Dec 08	15.22	15.90	16.53	17.20	18.05	1.97	16.58	32.66181
04 Dec 08	14.82	15.49	16.12	16.81	17.65	1.98	16.18	32.08787
05 Dec 08	13.72	14.36	14.97	15.58	16.38	1.99	15.00	29.82628
08 Dec 08	14.45	15.10	15.72	16.35	17.20	1.95	15.76	30.79015
09 Dec 08	14.28	14.90	15.53	16.12	16.99	1.96	15.56	30.57073
10 Dec 08	14.37	15.04	15.64	16.31	17.16	1.98	15.70	31.09595
11 Dec 08	14.86	15.64	16.25	16.91	17.80	1.97	16.29	32.15789
12 Dec 08	14.88	15.58	16.15	16.81	17.75	2.03	16.23	32.93163
15 Dec 08	15.30	15.95	16.49	17.21	18.16	2.05	16.62	34.13784
16 Dec 08		15.93	16.45	17.15	18.05	2.04	16.90	34.44057
17 Dec 08		15.95	16.44	17.06	17.95	2.04	16.85	34.44434
18 Dec 08		15.73	16.25	16.90	17.75	2.04	16.66	34.05714
19 Dec 08		15.74	16.21	16.89	17.77	2.03	16.65	33.83131
22 Dec 08		16.07	16.57	17.22	18.10	2.03	16.99	34.45659
23 Dec 08		15.81	16.33	16.98	17.86	2.05	16.75	34.32927
24 Dec 08		15.75	16.27	16.91	17.74	2.05	16.67	34.18143
29 Dec 08		15.81	16.38	17.02	17.90	2.04	16.78	34.1653
30 Dec 08		16.02	16.58	17.23	18.07	2.04	16.98	34.67143
31 Dec 08		15.90	16.46	17.08	17.95	1.97	16.85	33.26514
02 Jan 09		15.55	16.11	16.74	17.60	1.96	16.50	32.34127
05 Jan 09		15.38	15.92	16.56	17.46	1.90	16.33	30.96575
06 Jan 09		15.69	16.20	16.86	17.67	1.87	16.61	30.99061
07 Jan 09		15.45	15.94	16.61	17.45	1.91	16.36	31.29624
08 Jan 09		14.76	15.27	15.87	16.65	1.93	15.64	30.23083
09 Jan 09		14.44	14.95	15.50	16.25	1.91	15.29	29.15774
12 Jan 09		13.94	14.37	14.91	15.59	1.95	14.70	28.68456
13 Jan 09		13.78	14.18	14.74	15.39	1.99	14.52	28.95518
14 Jan 09		13.28	13.63	14.16	14.82	1.99	13.97	27.86722
15 Jan 09		13.25	13.62	14.14	14.77	1.98	13.95	27.63822
16 Jan 09		12.60	12.98	13.52	14.09	1.98	13.30	26.38562
19 Jan 09		11.63	12.00	12.52	13.07	1.95	12.31	24.04513
20 Jan 09		11.51	11.97	12.47	12.99	1.98	12.24	24.20303
21 Jan 09		11.50	11.90	12.41	12.97	1.97	12.20	24.01811
22 Jan 09		11.70	12.02	12.51	13.06	1.97	12.32	24.31724
23 Jan 09		11.67	12.00	12.46	13.11	1.98	12.31	24.33092

26 Jan 09	12.11	12.46	12.92	13.53	1.99	12.76	25.39635
27 Jan 09	11.91	12.26	12.74	13.38	1.99	12.57	25.02596
28 Jan 09	11.74	12.08	12.54	13.18	1.97	12.39	24.41398
29 Jan 09	11.88	12.20	12.67	13.29	1.98	12.51	24.79298
30 Jan 09	11.85	12.17	12.66	13.29	2.01	12.49	25.13005
02 Feb 09	11.29	11.69	12.11	12.76	2.03	11.96	24.31214
03 Feb 09	10.61	10.94	11.41	12.02	2.00	11.25	22.44864
04 Feb 09	10.43	10.72	11.19	11.78	1.99	11.03	21.93388
05 Feb 09	10.20	10.48	10.95	11.53	1.96	10.79	21.17082
06 Feb 09	10.07	10.35	10.82	11.40	1.92	10.66	20.43181
09 Feb 09	10.05	10.32	10.80	11.37	1.92	10.64	20.36714
10 Feb 09	9.33	9.57	10.04	10.60	1.97	9.89	19.49126
11 Feb 09	8.49	8.72	9.19	9.73	1.97	9.03	17.79822
12 Feb 09	8.20	8.43	8.90	9.43	1.98	8.74	17.26436
13 Feb 09	8.63	8.95	9.43	10.02	1.96	9.26	18.10428
16 Feb 09	8.40	8.72	9.19	9.78	1.97	9.02	17.74259
17 Feb 09	8.64	8.96	9.44	10.04	1.97	9.27	18.30424
18 Feb 09	9.68	9.98	10.47	11.07	1.97	10.30	20.26722
19 Feb 09	10.81	11.18	11.75	12.45	1.96	11.55	22.64821
20 Feb 09	9.97	10.33	10.87	11.55	1.98	10.68	21.18695
23 Feb 09	9.64	9.94	10.47	11.18	1.98	10.31	20.36527
24 Feb 09	9.36	9.72	10.25	10.96	1.98	10.07	19.90281
25 Feb 09	9.74	10.11	10.69	11.44	1.97	10.50	20.69419
26 Feb 09	10.60	11.05	11.64	12.44	1.96	11.43	22.3687
27 Feb 09	10.09	10.53	11.13	11.93	1.97	10.92	21.52927
02 Mar 09	10.06	10.49	11.16	11.97	1.99	10.92	21.70889
03 Mar 09	10.98	11.41	12.13	13.02	1.96	11.89	23.31361
04 Mar 09	11.64	12.14	12.86	13.77	1.95	12.60	24.52211
05 Mar 09	11.64	12.14	12.86	13.77	1.97	12.60	24.76503
06 Mar 09	10.83	11.33	12.03	12.97	1.98	11.79	23.33773
09 Mar 09	11.65	12.20	12.95	13.98	1.99	12.45	24.82853
10 Mar 09	12.01	12.57	13.32	14.35	1.97	12.75	25.1141
11 Mar 09	11.69	12.33	13.10	14.15	1.97	12.55	24.77538
12 Mar 09	11.87	12.54	13.41	14.62	1.97	12.79	25.21763
13 Mar 09	12.29	12.99	13.90	15.05	1.96	13.26	26.01471
16 Mar 09	12.58	13.29	14.19	15.39	1.96	13.55	26.58548
17 Mar 09	12.58	13.29	14.19	15.39	1.97	13.55	26.64552
18 Mar 09	12.58	13.29	14.19	15.39	1.98	13.55	26.81501

	EURO			AUD		
Date	EJA Dec07	EUA Dec09-12	CER Dec09-12	EUA Dec07	EUA Dec09-12	CER Dec09-12
22-Apr-05	16.95	17.13		28.30	28.59	
25-Apr-05	17.55	17.73		29.25	29.54	
26-Apr-05	17.20	17.38		28.68	28.97	
27-Apr-05	16.45	16.63		27.40	27.69	
28-Apr-05	16.00	16.18		26.47	26.76	
29-Apr-05	16.50	16.68		27.18	27.46	
03-May-05	16.25	16.43		27.04	27.33	
04-May-05	16.20	16.38		26.86	27.15	
05-May-05	16.60	16.78		27.54	27.83	
06-May-05	16.60	16.78		27.43	27.72	
09-May-05	17.00	17.18		28.28	28.57	
10-May-05	17.10	17.28		28.35	28.64	
11-May-05	16.90	17.08		27.94	28.23	
12-May-05	16.75	16.93		27.78	28.07	
13-May-05	16.80	17.13		27.87	28.41	
16-May-05	16.90	17.13		28.25	28.62	
17-May-05	17.20	17.53		28.68	29.22	
18-May-05	17.45	17.78		29.05	29.59	
19-May-05	18.00	18.23		30.01	30.38	
20-May-05	18.75	18.93		31.16	31.45	
23-May-05	18.50	18.95		30.64	31.39	
24-May-05	19.10	19.39		31.47	31.94	
25-May-05	19.95	20.13		32.97	33.26	
26-May-05	19.75	20.03		32.54	32.99	
27-May-05	19.65	19.98		32.38	32.91	
31-May-05	19.90	20.18		32.43	32.88	
01-Jun-05	19.60	19.83		31.96	32.33	
02-Jun-05	19.50	19.66		31.71	32.30	
03-Jun-05	19.10	19.55		30.87	31.59	
06-Jun-05	19.30	19.78		30.94	31.70	
07-Jun-05	19.60	20.15		31.32	32.19	
08-Jun-05	19.80	20.25		31.65	32.37	
09-Jun-05	19.65	20.00		31.28	31.84	
10-Jun-05	19.65	20.00		31.25	31.81	
13-Jun-05	19.85	20.35		31.58	32.38	
14-Jun-05	19.90	20.44		31.36	32.21	
15-Jun-05	20.10	20.45		31.62	32.17	
16-Jun-05	20.60	20.85		32.24	32.63	
17-Jun-05	21.50	21.85		33.95	34.51	
20-Jun-05	22.95	23.35		35.92	36.54	
21-Jun-05	23.00	23.50		35.87	36.65	
22-Jun-05	23.20	23.55		36.12	36.67	
23-Jun-05	23.40	23.83		36.46	37.12	
24-Jun-05	24.00	24.30		37.74	38.21	
27-Jun-05	23.95	24.30		37.65	38.40	
28-Jun-05	24.50	24.90		38.75	39.38	
29-Jun-05	25.45	25.94		40.31	41.08	
30-Jun-05	25.80	26.50		41.02	42.13	
01-Jul-05	26.90	27.48		42.83	43.75	
04-Jul-05	29.45	29.90		46.76	47.47	
05-Jul-05	28.85	29.30		46.31	47.03	
06-Jul-05	29.30	29.93		47.16	48.17	
07-Jul-05	29.40	30.03		47.42	48.43	
08-Jul-05	29.70	30.50		47.89	49.18	
11-Jul-05	29.90	30.65		48.26	49.47	
12-Jul-05	29.45	30.03		47.60	48.53	
13-Jul-05	27.95	28.40		45.05	45.78	
14-Jul-05	24.00	24.53		38.56	39.41	
15-Jul-05	24.30	24.93		39.02	40.02	
18-Jul-05	24.70	25.13		39.51	40.19	
19-Jul-05	24.55	24.94		39.32	39.94	
20-Jul-05	20.90	21.75		33.59	34.96	
21-Jul-05	20.35	21.20		32.35	33.70	
22-Jul-05	20.10	20.45		31.73	32.28	
25-Jul-05	20.15	20.83		31.87	32.93	
26-Jul-05	20.80	21.50		32.96	34.07	
27-Jul-05	22.05	22.58		35.20	36.04	
28-Jul-05	22.05	22.55		35.22	36.01	
29-Jul-05	22.35	22.98		35.78	36.78	
01-Aug-05	21.45	22.10		34.30	35.34	

02-Aug-05	20.70	21.15	32.98	33.70
03-Aug-05	20.70	21.40	33.06	34.18
04-Aug-05	20.50	21.20	32.84	33.96
05-Aug-05	21.25	21.75	34.16	34.97
08-Aug-05	21.75	22.25	35.15	35.96
09-Aug-05	22.45	22.95	36.48	37.29
10-Aug-05	22.45	23.05	36.27	37.24
11-Aug-05	22.55	23.35	36.26	37.55
12-Aug-05	22.80	23.25	36.68	37.41
15-Aug-05	22.40	22.98	36.04	36.96
16-Aug-05	22.45	23.03	36.05	36.98
17-Aug-05	22.80	23.43	36.76	37.77
18-Aug-05	22.75	23.35	36.79	37.76
19-Aug-05	22.90	23.38	37.06	37.83
22-Aug-05	23.05	23.63	37.34	38.28
23-Aug-05	23.10	23.58	37.40	38.17
24-Aug-05	23.10	23.58	37.50	38.27
25-Aug-05	23.35	23.75	37.81	38.46
30-Aug-05	23.65	24.30	38.63	39.69
31-Aug-05	23.95	24.48	39.17	40.03
01-Sep-05	24.40	24.98	39.98	40.93
02-Sep-05	24.75	25.28	40.53	41.39
05-Sep-05	24.75	25.33	40.41	41.35
06-Sep-05	24.65	25.13	40.02	40.79
07-Sep-05	24.70	25.23	40.03	40.88
08-Sep-05	24.35	24.70	39.06	39.62
09-Sep-05	23.75	24.20	38.05	38.77
12-Sep-05	22.25	22.65	35.49	36.13
13-Sep-05	21.75	22.10	34.72	35.28
14-Sep-05	22.45	22.70	35.74	36.13
15-Sep-05	22.70	22.95	36.19	36.59
16-Sep-05	22.05	22.35	35.14	35.61
19-Sep-05	22.60	22.95	35.80	36.36
20-Sep-05	22.05	22.40	34.88	35.43
21-Sep-05	22.00	20.81	34.86	32.98
22-Sep-05	22.30	20.75	35.52	33.05
23-Sep-05	22.05	19.38	35.06	30.81
26-Sep-05	21.60	18.88	34.45	30.10
27-Sep-05	22.05	19.30	35.03	30.66
28-Sep-05	22.75	20.25	36.08	32.11
29-Sep-05	22.90	20.25	36.25	32.05
30-Sep-05	22.85	20.60	36.02	32.47
03-Oct-05	22.75	20.85	35.50	32.53
04-Oct-05	23.30	21.80	36.35	34.01
05-Oct-05	23.80	22.13	37.62	34.98
06-Oct-05	23.60	22.68	37.89	36.40
07-Oct-05	23.05	22.09	36.93	35.39
10-Oct-05	23.05	22.75	36.64	36.17
11-Oct-05	23.15	22.68	36.89	36.14
12-Oct-05	23.50	23.03	37.41	36.65
13-Oct-05	23.45	23.28	37.55	37.27
14-Oct-05	23.05	22.80	37.02	36.62
17-Oct-05	23.10	22.95	37.07	36.82
18-Oct-05	22.85	22.53	36.52	36.00
19-Oct-05	22.40	22.38	35.78	35.74
20-Oct-05	22.10	21.88	35.29	34.93
21-Oct-05	21.80	21.68	34.80	34.60
24-Oct-05	21.45	21.00	34.24	33.52
25-Oct-05	21.40	21.15	34.21	33.81
26-Oct-05	21.65	20.93	34.62	33.46
27-Oct-05	21.85	21.25	35.02	34.05
28-Oct-05	22.10	21.35	35.55	34.34
31-Oct-05	21.90	21.50	35.13	34.48
01-Nov-05	21.75	20.78	35.03	33.46
02-Nov-05	21.35	20.61	34.69	33.49
03-Nov-05	21.25	19.91	34.37	32.21
04-Nov-05	21.35	20.25	34.40	32.63
07-Nov-05	21.60	20.40	34.76	32.83
08-Nov-05	22.05	20.84	35.35	33.40
09-Nov-05	22.50	20.59	35.91	32.86
10-Nov-05	22.70	20.78	36.39	33.30
11-Nov-05	22.70	20.70	36.26	33.06
14-Nov-05	23.15	21.63	37.19	34.74

15-Nov-05	22.90	20.88	36.60	33.36
16-Nov-05	22.75	20.50	36.36	32.77
17-Nov-05	22.45	20.30	35.89	32.45
18-Nov-05	21.65	20.25	34.75	32.50
21-Nov-05	21.70	19.50	34.56	31.06
22-Nov-05	22.20	20.13	35.51	32.19
23-Nov-05	21.60	19.01	34.54	30.40
24-Nov-05	19.90	17.85	31.72	28.45
25-Nov-05	20.15	18.55	32.07	29.53
28-Nov-05	20.50	18.55	32.66	29.55
29-Nov-05	19.90	18.50	31.75	29.52
30-Nov-05	20.15	18.35	32.12	29.25
01-Dec-05	20.55	18.50	32.44	29.20
02-Dec-05	21.80	18.25	34.10	28.54
05-Dec-05	22.70	19.55	35.62	30.68
06-Dec-05	23.40	19.85	36.60	31.05
07-Dec-05	22.90	19.55	35.89	30.64
08-Dec-05	22.05	18.86	34.72	29.70
09-Dec-05	21.70	19.35	34.11	30.41
12-Dec-05	22.35	19.50	35.38	30.87
13-Dec-05	22.70	20.13	35.90	31.83
14-Dec-05	22.45	19.78	35.62	31.38
15-Dec-05	22.40	19.80	35.84	31.68
16-Dec-05	22.10	19.50	35.68	31.48
19-Dec-05	22.10	19.60	35.79	31.74
20-Dec-05	21.95	19.48	35.53	31.53
21-Dec-05	21.85	19.38	35.26	31.26
22-Dec-05	21.65	19.35	35.17	31.43
23-Dec-05	21.35	18.95	34.80	30.89
27-Dec-05	21.65	19.25	35.41	31.48
28-Dec-05	21.85	19.40	35.52	31.54
29-Dec-05	22.05	19.80	35.63	32.00
30-Dec-05	22.10	19.60	35.60	31.58
03-Jan-06	22.75	19.95	36.86	32.32
04-Jan-06	23.05	20.30	37.34	32.88
05-Jan-06	23.45	20.30	37.91	32.82
06-Jan-06	24.00	21.15	38.64	34.05
09-Jan-06	23.70	20.35	37.99	32.62
10-Jan-06	23.80	20.60	38.33	33.18
11-Jan-06	23.80	20.60	38.15	33.02
12-Jan-06	24.00	20.75	38.43	33.23
13-Jan-06	24.00	20.90	38.59	33.61
16-Jan-06	24.05	21.15	38.61	33.96
17-Jan-06	25.25	21.93	40.57	35.23
18-Jan-06	26.45	22.70	42.77	36.70
19-Jan-06	26.65	22.78	43.07	36.81
20-Jan-06	27.90	23.05	45.26	37.39
23-Jan-06	26.90	22.98	43.91	37.50
24-Jan-06	26.35	22.28	43.08	36.42
25-Jan-06	26.70	22.68	43.42	36.87
26-Jan-06	27.45	23.08	44.51	37.42
27-Jan-06	26.90	23.18	43.36	37.35
30-Jan-06	27.50	24.50	44.36	39.52
31-Jan-06	27.55	25.25	44.32	40.62
01-Feb-06	28.05	26.49	44.93	42.42
02-Feb-06	28.55	27.04	45.78	43.35
03-Feb-06	28.85	27.30	46.25	43.77
06-Feb-06	28.70	29.10	46.24	46.88
07-Feb-06	27.65	28.18	44.65	45.50
08-Feb-06	27.15	27.63	43.82	44.59
09-Feb-06	27.45	28.25	44.42	45.71
10-Feb-06	27.30	28.39	44.09	45.85
13-Feb-06	27.20	27.90	43.79	44.91
14-Feb-06	27.35	27.90	44.03	44.91
15-Feb-06	27.60	27.88	44.43	44.87
16-Feb-06	27.95	29.36	44.97	47.24
17-Feb-06	27.70	29.15	44.72	47.07
20-Feb-06	28.10	28.80	45.25	46.38
21-Feb-06	28.30	28.63	45.64	46.16
22-Feb-06	28.20	28.24	45.61	45.67
23-Feb-06	27.65	25.33	44.62	40.86
24-Feb-06	27.65	26.00	44.39	41.74
27-Feb-06	27.20	25.83	43.70	41.49

28-Feb-06	27.40	25.75	43.97	41.32
01-Mar-06	27.85	25.48	44.56	40.76
02-Mar-06	28.15	25.25	45.23	40.57
03-Mar-06	28.05	25.45	45.31	41.11
06-Mar-06	28.05	25.49	45.51	41.35
07-Mar-06	27.60	24.75	44.68	40.06
08-Mar-06	27.75	25.20	45.11	40.97
09-Mar-06	27.70	24.95	44.95	40.49
10-Mar-06	27.90	24.95	45.41	40.61
13-Mar-06	28.45	25.36	46.34	41.31
14-Mar-06	28.25	25.35	46.07	41.34
15-Mar-06	28.05	25.45	45.78	41.54
16-Mar-06	27.70	25.25	45.76	41.71
17-Mar-06	27.95	25.28	46.76	42.29
20-Mar-06	28.15	25.38	47.47	42.79
21-Mar-06	28.10	25.53	47.35	43.01
22-Mar-06	28.15	25.93	47.28	43.54
23-Mar-06	28.20	25.88	47.22	43.33
24-Mar-06	27.95	25.95	47.45	44.05
27-Mar-06	27.80	25.63	47.34	43.63
28-Mar-06	27.95	25.88	47.60	44.06
29-Mar-06	28.20	27.13	47.95	46.12
30-Mar-06	28.35	28.45	48.17	48.34
31-Mar-06	28.40	28.34	48.10	48.00
03-Apr-06	28.35	28.40	48.11	48.20
04-Apr-06	28.85	28.75	49.07	48.90
05-Apr-06	29.80	28.95	50.34	48.90
06-Apr-06	30.35	29.23	50.76	48.87
07-Apr-06	29.85	29.40	49.73	48.98
10-Apr-06	30.00	29.50	49.80	48.97
11-Apr-06	30.45	30.83	50.41	51.03
12-Apr-06	30.35	31.38	50.13	51.82
13-Apr-06	30.15	31.63	50.15	52.60
18-Apr-06	30.30	31.78	50.29	52.74
19-Apr-06	31.50	33.81	52.19	56.02
20-Apr-06	31.50	33.88	52.58	56.55
21-Apr-06	30.95	32.43	51.27	53.71
24-Apr-06	30.75	32.75	51.21	54.54
25-Apr-06	30.95	32.55	51.61	54.27
26-Apr-06	28.30	31.18	46.79	51.55
27-Apr-06	20.75	23.78	34.36	39.37
28-Apr-06	17.30	23.13	28.75	38.43
01-May-06	14.25	20.05	23.62	33.23
02-May-06	13.95	19.75	23.09	32.70
03-May-06	11.95	19.70	19.59	32.29
04-May-06	12.85	21.30	21.15	35.05
05-May-06	14.85	23.53	24.48	38.79
08-May-06	13.20	21.49	21.82	35.52
09-May-06	12.65	21.43	20.84	35.30
10-May-06	12.75	19.99	21.03	32.97
11-May-06	13.65	20.76	22.56	34.31
12-May-06	13.40	20.84	22.38	34.80
15-May-06	9.80	19.01	16.48	31.97
16-May-06	15.75	22.95	26.37	38.42
17-May-06	17.35	23.20	29.13	38.95
18-May-06	16.25	23.65	27.28	39.70
19-May-06	16.25	23.44	27.40	39.52
22-May-06	16.95	23.56	28.96	40.26
23-May-06	18.95	25.49	32.20	43.31
24-May-06	20.45	25.55	34.68	43.33
25-May-06	19.75	25.13	33.20	42.24
26-May-06	19.85	25.63	33.31	43.01
30-May-06	19.55	25.54	32.99	43.10
31-May-06	18.50	24.89	31.50	42.37
01-Jun-06	17.40	23.88	29.77	40.86
02-Jun-06	17.00	22.93	29.21	39.39
05-Jun-06	17.05	22.75	29.40	39.23
06-Jun-06	16.65	22.45	28.85	38.90
07-Jun-06	16.30	22.28	28.17	38.49
08-Jun-06	15.60	21.60	26.62	36.86
09-Jun-06	14.60	21.00	24.65	35.46
12-Jun-06	14.60	20.75	24.64	35.01
13-Jun-06	15.60	21.85	26.52	37.15

14-Jun-06	15.50	21.65	26.51	37.03
15-Jun-06	15.50	20.85	26.35	35.44
16-Jun-06	15.50	21.03	26.50	35.95
19-Jun-06	15.65	20.85	26.71	35.59
20-Jun-06	15.90	21.83	27.11	37.22
21-Jun-06	16.60	22.25	28.43	38.10
22-Jun-06	16.05	21.75	27.49	37.26
23-Jun-06	16.15	21.85	27.61	37.35
26-Jun-06	16.05	21.71	27.59	37.32
27-Jun-06	15.60	21.01	26.78	36.07
28-Jun-06	15.75	21.33	27.10	36.70
29-Jun-06	16.20	21.43	27.75	36.70
30-Jun-06	16.55	21.28	28.48	36.61
03-Jul-06	16.55	21.08	28.54	36.34
04-Jul-06	16.85	21.13	28.94	36.29
05-Jul-06	16.85	20.50	28.90	35.16
06-Jul-06	16.65	20.39	28.51	34.91
07-Jul-06	17.05	20.83	29.04	35.47
10-Jul-06	16.80	20.95	28.66	35.73
11-Jul-06	16.95	21.15	28.74	35.87
12-Jul-06	17.10	21.53	28.88	36.35
13-Jul-06	17.05	21.55	28.68	36.25
14-Jul-06	17.15	21.60	28.79	36.27
17-Jul-06	17.50	21.53	29.31	36.05
18-Jul-06	18.05	21.75	30.25	36.45
19-Jul-06	17.70	21.60	29.73	36.28
20-Jul-06	17.20	21.43	28.91	36.01
21-Jul-06	17.55	21.43	29.61	36.15
24-Jul-06	17.40	21.30	29.10	35.62
25-Jul-06	17.30	21.00	28.90	35.08
26-Jul-06	17.00	20.73	28.35	34.56
27-Jul-06	17.15	20.45	28.56	34.06
28-Jul-06	17.35	20.35	28.83	33.82
31-Jul-06	16.90	19.75	28.15	32.90
01-Aug-06	16.85	20.15	28.22	33.75
02-Aug-06	17.05	20.20	28.54	33.81
03-Aug-06	17.15	19.94	28.84	33.53
04-Aug-06	16.60	19.08	27.91	32.08
07-Aug-06	15.90	18.43	26.74	30.98
08-Aug-06	16.45	19.13	27.75	32.26
09-Aug-06	16.55	19.35	27.78	32.48
10-Aug-06	16.50	19.40	27.52	32.35
11-Aug-06	16.30	19.30	27.07	32.06
14-Aug-06	16.50	19.13	27.64	32.04
15-Aug-06	16.25	19.03	27.15	31.79
16-Aug-06	16.25	19.05	27.16	31.84
17-Aug-06	16.40	19.28	27.64	32.48
18-Aug-06	16.45	19.03	27.80	32.16
21-Aug-06	16.55	19.38	27.95	32.72
22-Aug-06	17.35	19.64	29.15	32.99
23-Aug-06	17.60	19.70	29.52	33.04
24-Aug-06	17.40	19.80	29.16	33.18
25-Aug-06	16.90	19.40	28.49	32.71
28-Aug-06	17.00	19.55	28.62	32.92
29-Aug-06	16.90	19.45	28.37	32.65
30-Aug-06	16.60	19.40	27.88	32.59
31-Aug-06	16.30	19.30	27.36	32.40
01-Sep-06	16.50	19.35	27.62	32.39
04-Sep-06	16.50	19.35	27.55	32.31
05-Sep-06	16.90	19.65	28.06	32.62
06-Sep-06	17.10	19.70	28.58	32.93
07-Sep-06	17.15	19.63	28.78	32.93
08-Sep-06	17.05	19.53	28.63	32.79
11-Sep-06	16.95	19.59	28.68	33.14
12-Sep-06	16.80	19.35	28.40	32.72
13-Sep-06	16.90	19.45	28.49	32.78
14-Sep-06	16.80	19.33	28.31	32.57
15-Sep-06	16.80	19.33	28.27	32.51
18-Sep-06	16.75	19.20	28.16	32.28
19-Sep-06	16.75	19.36	28.21	32.61
20-Sep-06	16.25	18.94	27.38	31.91
21-Sep-06	14.70	18.00	24.83	30.40
22-Sep-06	14.00	17.58	23.85	29.94

25-Sep-06	13.85	17.55	23.44	29.71
26-Sep-06	13.25	17.38	22.38	29.35
27-Sep-06	12.35	16.58	20.89	28.04
28-Sep-06	12.45	16.83	21.12	28.54
29-Sep-06	12.90	17.08	21.94	29.04
02-Oct-06	13.30	17.53	22.64	29.83
03-Oct-06	12.50	16.75	21.42	28.70
04-Oct-06	12.30	16.90	20.96	28.79
05-Oct-06	12.30	17.28	20.91	29.37
06-Oct-06	12.45	17.78	21.11	30.13
09-Oct-06	12.40	17.73	20.99	30.00
10-Oct-06	12.65	17.78	21.29	29.92
11-Oct-06	12.75	17.38	21.49	29.29
12-Oct-06	12.75	17.18	21.31	28.70
13-Oct-06	12.65	16.48	21.07	27.44
16-Oct-06	12.75	16.54	21.18	27.47
17-Oct-06	12.80	16.55	21.29	27.52
18-Oct-06	13.00	16.70	21.59	27.73
19-Oct-06	13.15	16.78	21.85	27.87
20-Oct-06	13.05	16.98	21.69	28.22
23-Oct-06	13.05	17.38	21.63	28.80
24-Oct-06	12.75	17.68	21.12	29.28
25-Oct-06	12.80	17.70	21.20	29.31
26-Oct-06	12.35	17.00	20.50	28.22
27-Oct-06	12.40	17.20	20.54	28.50
30-Oct-06	12.15	17.13	20.08	28.30
31-Oct-06	11.05	16.68	18.21	27.48
01-Nov-06	11.25	16.83	18.51	27.69
02-Nov-06	11.25	17.13	18.55	28.24
03-Nov-06	10.95	17.08	18.08	28.19
06-Nov-06	10.80	17.23	17.81	28.41
07-Nov-06	10.55	17.38	17.42	28.69
08-Nov-06	9.65	17.03	15.99	28.20
09-Nov-06	9.70	17.13	16.18	28.57
10-Nov-06	9.70	17.45	16.24	29.22
13-Nov-06	8.95	17.05	15.03	28.63
14-Nov-06	8.70	17.15	14.58	28.73
15-Nov-06	9.40	16.83	15.75	28.19
16-Nov-06	9.25	17.28	15.42	28.80
17-Nov-06	8.90	17.38	14.84	28.97
20-Nov-06	8.75	17.53	14.54	29.13
21-Nov-06	9.00	18.48	14.98	30.75
22-Nov-06	9.10	18.83	15.17	31.38
23-Nov-06	8.90	18.68	14.87	31.20
24-Nov-06	9.00	18.78	15.13	31.56
27-Nov-06	9.20	19.78	15.52	33.35
28-Nov-06	9.20	20.33	15.47	34.17
29-Nov-06	8.90	19.23	14.94	32.26
30-Nov-06	8.40	19.83	14.11	33.29
01-Dec-06	8.20	19.63	13.83	33.10
04-Dec-06	7.85	21.03	12.91	35.48
05-Dec-06	7.25	20.64	12.28	34.96
06-Dec-06	6.85	20.13	11.58	34.01
07-Dec-06	7.10	20.18	11.94	33.94
08-Dec-06	7.55	19.63	12.69	32.99
11-Dec-06	7.30	20.08	12.32	33.87
12-Dec-06	7.10	19.58	11.99	33.05
13-Dec-06	6.85	18.86	11.51	31.70
14-Dec-06	6.60	18.40	11.09	30.91
15-Dec-06	6.60	18.39	11.04	30.76
18-Dec-06	6.60	18.51	11.07	31.05
19-Dec-06	6.70	18.63	11.28	31.35
20-Dec-06	6.65	18.48	11.14	30.96
21-Dec-06	6.60	18.43	11.08	30.93
22-Dec-06	6.60	18.74	11.40	31.40
26-Dec-06	6.95	19.13	11.64	32.02
27-Dec-06	6.95	19.13	11.64	32.02
28-Dec-06	6.70	19.58	11.17	32.64
29-Dec-06	6.70	19.53	11.21	32.65
02-Jan-07	5.60	18.93	9.34	31.58
03-Jan-07	4.85	17.84	8.06	29.66
04-Jan-07	4.85	17.98	8.08	29.95
05-Jan-07	4.80	17.23	8.01	28.76

08-Jan-07	3.95	15.88	6.59	26.49
09-Jan-07	3.50	16.13	5.83	26.86
10-Jan-07	3.85	16.33	6.41	27.17
11-Jan-07	4.00	16.63	6.60	27.43
12-Jan-07	4.05	17.05	6.67	28.10
15-Jan-07	4.05	17.60	6.68	29.03
16-Jan-07	4.25	17.78	7.01	29.33
17-Jan-07	4.10	17.03	6.75	28.02
18-Jan-07	4.00	17.18	6.57	28.21
19-Jan-07	4.00	17.18	6.57	28.20
22-Jan-07	3.90	17.03	6.41	27.96
23-Jan-07	3.80	17.03	6.24	27.98
24-Jan-07	3.45	16.63	5.72	27.57
25-Jan-07	3.30	16.75	5.51	27.98
26-Jan-07	3.05	16.96	5.09	28.32
29-Jan-07	2.50	16.94	4.20	28.44
30-Jan-07	2.45	16.78	4.11	28.14
31-Jan-07	2.35	16.71	3.95	28.06
01-Feb-07	2.25	16.79	3.78	28.23
02-Feb-07	2.00	16.13	3.35	26.97
05-Feb-07	1.80	16.33	3.00	27.18
06-Feb-07	1.50	16.23	2.50	27.09
07-Feb-07	1.35	15.83	2.26	26.46
08-Feb-07	1.50	15.18	2.50	25.31
09-Feb-07	1.65	15.48	2.76	25.90
12-Feb-07	1.30	15.58	2.18	26.13
13-Feb-07	1.25	15.08	2.09	25.23
14-Feb-07	1.20	14.98	2.01	25.08
15-Feb-07	1.15	15.03	1.93	25.16
16-Feb-07	1.15	15.08	1.92	25.16
19-Feb-07	0.80	14.13	1.34	23.61
20-Feb-07	0.90	13.56	1.51	22.68
21-Feb-07	0.95	14.28	1.58	23.71
22-Feb-07	0.90	14.43	1.50	23.99
23-Feb-07	0.95	15.88	1.58	26.40
26-Feb-07	1.00	16.68	1.66	27.70
27-Feb-07	1.00	16.44	1.67	27.48
28-Feb-07	0.95	16.28	1.59	27.30
01-Mar-07	1.00	16.55	1.68	27.78
02-Mar-07	1.10	16.23	1.85	27.35
05-Mar-07	1.00	15.03	1.70	25.52
06-Mar-07	1.05	15.06	1.78	25.51
07-Mar-07	1.15	15.63	1.94	26.42
08-Mar-07	1.15	16.11	1.94	27.20
09-Mar-07	1.35	16.14	2.27	27.12
12-Mar-07	1.35	16.48	2.27	27.67
13-Mar-07	1.25	16.50	2.10	27.77
14-Mar-07	1.25	16.46	2.11	27.74
15-Mar-07	1.25	16.93	2.09	28.36
16-Mar-07	1.20	16.83	2.01	28.12
19-Mar-07	1.05	16.98	1.75	28.25
20-Mar-07	1.05	17.88	1.74	29.62
21-Mar-07	1.05	17.83	1.74	29.53
22-Mar-07	1.00	17.79	1.65	29.39
23-Mar-07	1.00	17.69	1.65	29.17
26-Mar-07	1.00	18.63	1.65	30.65
27-Mar-07	1.04	18.33	1.72	30.26
28-Mar-07	1.20	18.65	1.98	30.84
29-Mar-07	1.36	18.82	2.25	31.11
30-Mar-07	1.31	18.86	2.16	31.12
02-Apr-07	1.03	18.18	1.69	29.75
03-Apr-07	0.90	17.25	1.48	28.29
04-Apr-07	0.85	17.49	1.39	28.54
05-Apr-07	0.83	17.96	1.36	29.40
09-Apr-07	0.83	17.42	1.36	28.47
10-Apr-07	0.83	18.01	1.35	29.28
11-Apr-07	0.80	18.41	1.30	29.97
12-Apr-07	0.80	18.81	1.30	30.58
13-Apr-07	0.76	19.14	1.23	31.08
16-Apr-07	0.72	19.20	1.17	31.21
17-Apr-07	0.68	19.15	1.10	31.06
18-Apr-07	0.56	18.86	0.91	30.60
19-Apr-07	0.51	18.52	0.83	30.17

20-Apr-07	0.63	18.76	1.02	30.44
23-Apr-07	0.68	19.34	1.11	31.53
24-Apr-07	0.68	19.34	1.12	31.90
25-Apr-07	0.64	19.52	1.05	31.92
26-Apr-07	0.54	19.39	0.89	31.92
27-Apr-07	0.53	19.49	0.87	32.03
30-Apr-07	0.53	20.34	0.87	33.41
01-May-07	0.58	20.67	0.95	33.96
02-May-07	0.56	20.19	0.92	33.25
03-May-07	0.54	20.08	0.89	33.01
04-May-07	0.54	20.28	0.89	33.55
07-May-07	0.53	20.70	0.87	34.12
08-May-07	0.47	20.66	0.77	33.77
09-May-07	0.40	20.66	0.65	33.74
10-May-07	0.30	20.33	0.49	33.11
11-May-07	0.32	20.77	0.52	33.78
14-May-07	0.33	21.38	0.54	34.79
15-May-07	0.29	21.68	0.47	35.35
16-May-07	0.33	21.92	0.54	35.97
17-May-07	0.30	22.45	0.49	36.77
18-May-07	0.28	22.86	0.46	37.47
21-May-07	0.30	23.02	0.49	37.73
22-May-07	0.29	22.75	0.48	37.34
23-May-07	0.29	23.08	0.47	37.71
24-May-07	0.29	24.32	0.48	39.89
25-May-07	0.29	25.09	0.48	41.23
28-May-07	0.30	25.16	0.49	41.30
29-May-07	0.27	26.20	0.44	43.05
30-May-07	0.27	24.05	0.44	39.26
31-May-07	0.29	23.85	0.47	38.74
01-Jun-07	0.29	24.90	0.47	40.21
04-Jun-07	0.29	25.55	0.47	41.30
05-Jun-07	0.28	24.19	0.45	39.04
06-Jun-07	0.29	24.23	0.47	38.93
07-Jun-07	0.27	23.60	0.43	37.66
08-Jun-07	0.27	23.94	0.43	37.91
11-Jun-07	0.25	23.58	0.40	37.31
12-Jun-07	0.24	23.64	0.38	37.38
13-Jun-07	0.22	24.63	0.35	39.02
14-Jun-07	0.19	24.63	0.30	39.20
15-Jun-07	0.17	23.75	0.27	37.74
18-Jun-07	0.14	22.67	0.22	36.03
19-Jun-07	0.14	22.04	0.22	34.96
20-Jun-07	0.13	22.75	0.21	36.12
21-Jun-07	0.12	22.59	0.19	35.69
22-Jun-07	0.12	22.78	0.19	36.24
25-Jun-07	0.11	22.10	0.18	35.16
26-Jun-07	0.13	21.99	0.21	34.97
27-Jun-07	0.13	22.30	0.21	35.79
28-Jun-07	0.14	23.15	0.22	36.75
29-Jun-07	0.13	23.21	0.21	37.05
02-Jul-07	0.14	22.62	0.22	35.87
03-Jul-07	0.13	22.10	0.21	35.19
04-Jul-07	0.13	22.02	0.21	34.95
05-Jul-07	0.14	22.37	0.22	35.51
06-Jul-07	0.15	22.78	0.24	36.17
09-Jul-07	0.14	21.98	0.22	34.82
10-Jul-07	0.14	21.89	0.22	34.88
11-Jul-07	0.14	21.55	0.22	34.37
12-Jul-07	0.13	20.70	0.21	32.96
13-Jul-07	0.13	20.82	0.21	33.00
16-Jul-07	0.13	19.78	0.21	31.27
17-Jul-07	0.14	20.11	0.22	31.75
18-Jul-07	0.13	19.86	0.20	31.23
19-Jul-07	0.12	20.29	0.19	31.83
20-Jul-07	0.13	20.54	0.20	32.28
23-Jul-07	0.12	20.17	0.19	31.52
24-Jul-07	0.12	20.27	0.19	31.77
25-Jul-07	0.12	20.94	0.19	32.51
26-Jul-07	0.12	21.04	0.19	33.18
27-Jul-07	0.12	21.22	0.19	33.96
30-Jul-07	0.11	21.83	0.18	34.96
31-Jul-07	0.12	22.11	0.19	35.54

01-Aug-07	0.11	21.47	0.18	34.42
02-Aug-07	0.09	21.69	0.14	34.63
03-Aug-07	0.09	21.41	0.15	34.50
06-Aug-07	0.09	20.62	0.14	33.12
07-Aug-07	0.09	21.04	0.14	33.77
08-Aug-07	0.10	20.94	0.16	33.51
09-Aug-07	0.10	20.69	0.16	33.28
10-Aug-07	0.10	20.08	0.16	32.55
13-Aug-07	0.10	20.59	0.16	33.25
14-Aug-07	0.11	20.50	0.18	33.24
15-Aug-07	0.11	20.81	0.18	34.09
16-Aug-07	0.11	20.50	0.19	34.75
17-Aug-07	0.11	20.62	0.19	34.86
20-Aug-07	0.11	20.50	0.18	34.26
21-Aug-07	0.11	20.71	0.18	34.80
22-Aug-07	0.11	20.27	0.18	34.02
23-Aug-07	0.11	20.55	0.18	33.98
24-Aug-07	0.11	20.36	0.18	33.66
27-Aug-07	0.11	20.11	0.18	33.10
28-Aug-07	0.11	20.99	0.18	34.99
29-Aug-07	0.10	21.40	0.17	35.62
30-Aug-07	0.11	20.87	0.18	34.91
31-Aug-07	0.10	20.89	0.17	34.76
03-Sep-07	0.10	21.27	0.17	35.30
04-Sep-07	0.10	22.39	0.17	36.95
05-Sep-07	0.10	21.75	0.17	36.08
06-Sep-07	0.10	22.03	0.17	36.36
07-Sep-07	0.10	21.97	0.17	36.57
10-Sep-07	0.09	21.81	0.15	36.46
11-Sep-07	0.08	22.27	0.13	36.91
12-Sep-07	0.09	22.60	0.15	37.28
13-Sep-07	0.07	22.04	0.12	36.37
14-Sep-07	0.07	22.17	0.12	36.50
17-Sep-07	0.07	21.95	0.12	36.57
18-Sep-07	0.06	22.09	0.10	36.25
19-Sep-07	0.08	22.52	0.13	36.72
20-Sep-07	0.08	22.90	0.13	37.37
21-Sep-07	0.08	22.99	0.13	37.44
24-Sep-07	0.08	22.98	0.13	37.28
25-Sep-07	0.08	22.59	0.13	36.58
26-Sep-07	0.08	22.47	0.13	36.24
27-Sep-07	0.08	22.77	0.13	36.57
28-Sep-07	0.08	22.85	0.13	36.69
01-Oct-07	0.07	22.84	0.11	36.35
02-Oct-07	0.08	22.99	0.13	36.78
03-Oct-07	0.07	22.74	0.11	36.32
04-Oct-07	0.07	23.03	0.11	36.66
05-Oct-07	0.11	23.05	0.17	36.28
08-Oct-07	0.07	23.08	0.11	36.31
09-Oct-07	0.07	23.15	0.11	36.30
10-Oct-07	0.07	23.71	0.11	37.37
11-Oct-07	0.07	23.85	0.11	37.59
12-Oct-07	0.07	23.87	0.11	37.43
15-Oct-07	0.07	24.04	0.11	38.01
16-Oct-07	0.07	24.25	0.11	38.74
17-Oct-07	0.07	24.44	0.11	38.99
18-Oct-07	0.07	24.28	0.11	38.74
19-Oct-07	0.07	24.02	0.11	38.51
22-Oct-07	0.07	23.56	0.11	37.75
23-Oct-07	0.07	23.74	0.11	37.70
24-Oct-07	0.07	23.95	0.11	37.88
25-Oct-07	0.07	24.25	0.11	38.23
26-Oct-07	0.07	24.16	0.11	37.86
29-Oct-07	0.07	24.33	0.11	38.10
30-Oct-07	0.07	23.60	0.11	37.00
31-Oct-07	0.09	23.70	0.14	36.81
01-Nov-07	0.08	23.12	0.13	36.41
02-Nov-07	0.08	22.92	0.13	36.09
05-Nov-07	0.07	22.89	0.11	36.01
06-Nov-07	0.07	22.86	0.11	35.92
07-Nov-07	0.10	23.00	0.16	36.19
08-Nov-07	0.11	23.01	0.17	36.52
09-Nov-07	0.10	23.20	0.16	37.19

12-Nov-07	0.10	23.29	0.16	38.35
13-Nov-07	0.10	23.72	0.16	38.88
14-Nov-07	0.09	24.44	0.15	39.85
15-Nov-07	0.09	24.07	0.15	39.61
16-Nov-07	0.08	24.04	0.13	39.52
19-Nov-07	0.08	24.29	0.13	40.26
20-Nov-07	0.07	25.27	0.12	42.33
21-Nov-07	0.07	25.17	0.12	42.81
22-Nov-07	0.08	25.15	0.14	42.88
23-Nov-07	0.08	25.16	0.14	42.62
26-Nov-07	0.07	25.28	0.12	42.97
27-Nov-07	0.07	24.98	0.12	42.39
28-Nov-07	0.07	24.76	0.12	41.28
29-Nov-07	0.04	24.18	0.07	40.52
30-Nov-07	0.01	23.83	0.02	39.60
03-Dec-07	0.03	24.45	0.05	40.69
04-Dec-07	0.03	24.92	0.05	42.07
05-Dec-07	0.03	24.32	0.05	40.87
06-Dec-07	0.03	24.27	0.05	40.60
07-Dec-07	0.03	23.79	0.05	39.70
10-Dec-07	0.03	23.90	0.05	39.76
11-Dec-07	0.03	23.99	0.05	39.71
12-Dec-07	0.03	24.16	0.05	40.23
13-Dec-07	0.03	24.28	0.05	40.50
14-Dec-07	0.03	24.11	0.05	40.33
17-Dec-07	0.01	23.80	0.02	39.89
18-Dec-07		24.07		40.40
19-Dec-07		23.95		40.10
20-Dec-07		23.78		39.74
21-Dec-07		23.46		38.89
24-Dec-07		23.48		38.83
27-Dec-07		23.36		38.93
28-Dec-07		23.67		39.85
31-Dec-07		23.89		39.78
02-Jan-08		24.42		40.75
03-Jan-08		25.04		41.90
04-Jan-08		25.04		42.31
07-Jan-08		25.16		42.48
08-Jan-08		25.20		41.95
09-Jan-08		24.92		41.53
10-Jan-08		24.61		40.73
11-Jan-08		24.55		40.73
14-Jan-08		24.89		41.24
15-Jan-08		24.66		41.12
16-Jan-08		24.23		40.44
17-Jan-08		23.66		39.38
18-Jan-08		23.72		39.48
21-Jan-08		22.26		37.33
22-Jan-08		21.74		36.54
23-Jan-08		21.45		36.05
24-Jan-08		21.17		35.52
25-Jan-08		22.44		37.45
28-Jan-08		22.06		36.77
29-Jan-08		22.11		36.79
30-Jan-08		21.50		35.77
31-Jan-08		20.52		33.96
01-Feb-08		20.62		33.85
04-Feb-08		20.60		33.62
05-Feb-08		20.26		33.07
06-Feb-08		21.42		34.95
07-Feb-08		21.86		35.37
08-Feb-08		21.86		35.43
11-Feb-08		21.62		34.70
12-Feb-08		21.46		34.60
13-Feb-08		21.42		34.92
14-Feb-08		22.22		35.99
15-Feb-08		22.38		36.18
18-Feb-08		22.44		36.02
19-Feb-08		23.17		37.04
20-Feb-08		23.02		36.88
21-Feb-08		23.24		37.45
22-Feb-08		23.02		37.01
25-Feb-08		23.12		37.08

26-Feb-08	22.90		36.72	
27-Feb-08	22.84		36.69	
28-Feb-08	22.73		36.42	
29-Feb-08	22.93		37.25	
03-Mar-08	22.52		36.40	
04-Mar-08	22.34		36.81	
05-Mar-08	22.94		37.61	
06-Mar-08	23.04		38.16	
07-Mar-08	23.08		38.13	
10-Mar-08	23.47		39.23	
11-Mar-08	23.57		39.00	
12-Mar-08	23.67		39.27	
13-Mar-08	24.29		40.02	
14-Mar-08	23.97	15.39	40.07	25.73
17-Mar-08	23.11	14.83	39.58	25.39
18-Mar-08	23.39	15.04	39.57	25.45
19-Mar-08	23.30	14.99	39.72	25.56
20-Mar-08	23.72	15.35	40.67	26.32
25-Mar-08	24.30	15.73	41.36	26.77
26-Mar-08	24.25	15.66	41.76	26.97
27-Mar-08	23.99	15.57	41.12	26.69
28-Mar-08	23.47	15.31	40.36	26.33
31-Mar-08	23.99	15.54	41.44	26.85
01-Apr-08	24.25	15.61	41.77	26.89
02-Apr-08	25.14	16.12	43.12	27.64
03-Apr-08	25.22	16.15	43.12	27.61
04-Apr-08	25.07	16.13	42.72	27.49
07-Apr-08	25.59	16.15	43.37	27.38
08-Apr-08	25.30	16.00	42.71	27.02
09-Apr-08	25.48	15.99	43.41	27.25
10-Apr-08	26.21	16.39	44.25	27.66
11-Apr-08	26.15	16.29	44.49	27.72
14-Apr-08	26.78	16.49	45.77	28.18
15-Apr-08	26.93	16.46	45.99	28.12
16-Apr-08	26.60	16.35	45.15	27.75
17-Apr-08	26.51	16.33	44.97	27.70
18-Apr-08	26.33	16.25	44.54	27.49
21-Apr-08	27.09	16.38	45.75	27.66
22-Apr-08	27.17	16.38	45.97	27.71
23-Apr-08	26.81	16.23	44.85	27.16
24-Apr-08	26.29	16.11	43.84	26.86
25-Apr-08	26.56	16.19	44.42	27.07
28-Apr-08	26.46	16.15	44.11	26.92
29-Apr-08	26.02	16.17	43.36	26.94
30-Apr-08	25.73	16.31	42.60	27.01
01-May-08	25.38	16.14	41.99	26.70
02-May-08	26.22	16.38	43.16	26.96
06-May-08	27.14	16.61	44.33	27.46
07-May-08	26.85	16.63	43.88	27.19
08-May-08	26.71	16.83	43.56	27.45
09-May-08	26.98	17.15	44.27	28.14
12-May-08	27.20	17.21	44.62	28.23
13-May-08	26.83	17.34	44.11	28.51
14-May-08	26.24	17.05	43.42	28.21
15-May-08	26.46	17.13	43.44	28.12
16-May-08	26.64	17.18	43.50	28.04
19-May-08	27.05	17.18	43.99	27.95
20-May-08	27.10	17.19	44.30	28.10
21-May-08	27.48	17.37	45.07	28.48
22-May-08	27.82	17.42	45.74	28.64
23-May-08	27.85	17.43	45.73	28.62
26-May-08	27.79	17.50	45.61	28.72
27-May-08	28.04	17.65	45.89	28.89
28-May-08	27.85	17.58	45.26	28.56
29-May-08	28.23	17.70	45.74	28.68
30-May-08	27.77	17.80	45.17	28.95
02-Jun-08	28.01	17.81	45.58	28.98
03-Jun-08	28.83	18.91	46.82	30.72
04-Jun-08	28.29	18.76	45.63	30.26
05-Jun-08	28.17	18.97	45.84	30.86
06-Jun-08	29.32	19.51	48.02	31.95
09-Jun-08	29.27	19.48	48.17	32.06
10-Jun-08	28.99	19.58	47.36	31.97

11-Jun-08	29.11	19.79	47.81	32.49
12-Jun-08	28.95	19.65	47.77	32.41
13-Jun-08	28.80	19.76	47.12	32.34
16-Jun-08	28.93	19.81	47.60	32.59
17-Jun-08	29.03	19.92	47.69	32.73
18-Jun-08	29.33	20.03	48.12	32.87
19-Jun-08	29.56	20.20	48.17	32.91
20-Jun-08	29.35	20.21	48.06	33.10
23-Jun-08	29.81	20.63	48.62	33.65
24-Jun-08	30.05	21.05	48.99	34.31
25-Jun-08	29.90	20.80	48.87	33.99
26-Jun-08	30.43	21.19	50.14	34.90
27-Jun-08	30.94	21.66	50.86	35.59
30-Jun-08	31.47	22.16	51.72	36.41
01-Jul-08	32.38	23.53	53.60	38.95
02-Jul-08	30.95	24.55	51.05	40.49
03-Jul-08	30.46	23.50	49.77	38.40
04-Jul-08	30.74	24.07	50.08	39.20
07-Jul-08	30.43	25.04	50.01	41.15
08-Jul-08	28.52	23.35	46.78	38.31
09-Jul-08	28.73	23.60	47.32	38.86
10-Jul-08	29.60	23.71	48.54	38.88
11-Jul-08	30.52	24.27	50.31	40.01
14-Jul-08	30.31	24.06	49.60	39.37
15-Jul-08	29.37	23.47	47.72	38.13
16-Jul-08	27.77	22.64	45.09	36.76
17-Jul-08	28.43	23.23	46.43	37.93
18-Jul-08	27.14	22.43	44.30	36.62
21-Jul-08	27.10	22.44	44.17	36.58
22-Jul-08	27.37	22.11	44.47	35.92
23-Jul-08	27.51	21.30	44.86	34.73
24-Jul-08	28.02	21.53	45.77	35.17
25-Jul-08	27.85	21.44	45.70	35.19
28-Jul-08	27.19	20.82	44.74	34.26
29-Jul-08	26.35	20.11	43.12	32.90
30-Jul-08	25.38	19.26	41.90	31.79
31-Jul-08	24.70	18.73	40.88	31.01
01-Aug-08	23.95	18.34	40.07	30.68
04-Aug-08	23.85	18.83	39.97	31.55
05-Aug-08	24.29	19.43	40.99	32.80
06-Aug-08	24.99	19.88	42.39	33.72
07-Aug-08	25.61	20.63	43.29	34.87
08-Aug-08	25.34	20.72	42.79	35.00
11-Aug-08	25.41	20.94	42.89	35.34
12-Aug-08	26.07	21.50	44.46	36.66
13-Aug-08	26.46	21.50	45.08	36.63
14-Aug-08	26.15	21.38	44.47	36.36
15-Aug-08	25.84	21.31	43.77	36.09
18-Aug-08	26.31	21.76	44.56	36.86
19-Aug-08	26.39	21.71	44.74	36.81
20-Aug-08	27.13	21.93	45.81	37.02
21-Aug-08	27.45	22.06	46.45	37.33
22-Aug-08	27.32	21.93	46.56	37.38
25-Aug-08	27.18	21.99	46.43	37.57
26-Aug-08	27.45	22.14	46.98	37.89
27-Aug-08	27.88	22.22	47.80	38.10
28-Aug-08	27.92	22.30	47.63	38.03
29-Aug-08	27.90	22.44	47.66	38.33
01-Sep-08	27.66	22.26	47.49	38.22
02-Sep-08	27.38	21.78	47.36	37.67
03-Sep-08	27.13	21.70	47.07	37.64
04-Sep-08	27.34	21.89	47.53	38.06
05-Sep-08	27.08	21.48	47.40	37.60
08-Sep-08	26.81	21.38	46.38	36.98
09-Sep-08	25.42	20.39	44.80	35.93
10-Sep-08	25.31	20.23	44.25	35.37
11-Sep-08	25.59	20.22	44.54	35.19
12-Sep-08	26.41	20.94	45.62	36.17
15-Sep-08	25.54	20.48	45.25	36.29
16-Sep-08	25.40	20.34	44.86	35.93
17-Sep-08	25.79	20.51	46.50	36.99
18-Sep-08	26.33	20.95	47.02	37.40
19-Sep-08	27.25	21.87	47.25	37.92

22-Sep-08	27.41	21.82	47.87	38.11
23-Sep-08	27.53	21.63	48.34	37.98
24-Sep-08	27.00	21.04	47.36	36.91
25-Sep-08	26.92	20.72	47.10	36.25
26-Sep-08	26.83	20.27	47.19	35.66
29-Sep-08	25.50	19.07	45.89	34.31
30-Sep-08	24.66	19.13	43.91	34.07
01-Oct-08	25.20	19.69	44.78	34.99
02-Oct-08	25.49	20.03	45.49	35.75
03-Oct-08	25.41	19.71	45.19	35.05
06-Oct-08	24.36	18.99	46.67	36.37
07-Oct-08	24.33	19.32	46.39	36.83
08-Oct-08	23.83	19.24	48.22	38.94
09-Oct-08	24.62	20.03	48.25	39.26
10-Oct-08	23.99	19.50	50.17	40.77
13-Oct-08	24.55	19.93	48.77	39.59
14-Oct-08	24.96	20.29	48.77	39.64
15-Oct-08	24.55	19.93	49.25	39.99
16-Oct-08	23.94	19.30	46.93	37.82
17-Oct-08	23.74	19.17	45.97	37.11
20-Oct-08	23.84	18.82	45.25	35.73
21-Oct-08	23.19	18.09	44.45	34.67
22-Oct-08	21.85	16.69	41.80	31.93
23-Oct-08	21.96	17.02	43.13	33.42
24-Oct-08	20.87	16.07	42.37	32.62
27-Oct-08	19.31	15.12	39.84	31.20
28-Oct-08	19.01	15.25	37.63	30.17
29-Oct-08	19.85	15.77	38.24	30.38
30-Oct-08	19.61	15.64	37.32	29.76
31-Oct-08	19.41	15.55	37.01	29.63
03-Nov-08	19.72	15.65	36.77	29.17
04-Nov-08	20.45	16.25	38.16	30.33
05-Nov-08	20.09	15.78	37.70	29.62
06-Nov-08	19.74	15.70	37.66	29.95
07-Nov-08	20.29	16.19	38.30	30.55
10-Nov-08	20.22	16.26	38.46	30.94
11-Nov-08	19.70	15.92	37.58	30.37
12-Nov-08	19.58	16.04	38.34	31.40
13-Nov-08	19.51	16.05	38.05	31.30
14-Nov-08	19.08	15.71	36.85	30.33
17-Nov-08	18.77	15.26	36.34	29.55
18-Nov-08	18.33	14.89	35.59	28.90
19-Nov-08	18.10	14.78	35.14	28.69
20-Nov-08	16.51	13.30	33.44	26.93
21-Nov-08	16.66	13.90	33.62	28.06
24-Nov-08	17.55	14.49	34.90	28.82
25-Nov-08	17.49	14.20	35.13	28.51
26-Nov-08	17.26	14.12	34.18	27.96
27-Nov-08	18.08	14.49	35.29	28.28
28-Nov-08	17.29	14.14	33.52	27.43
01-Dec-08	17.27	14.48	33.73	28.29
02-Dec-08	17.11	14.35	34.00	28.50
03-Dec-08	16.92	14.27	33.33	28.11
04-Dec-08	16.52	13.90	32.76	27.57
05-Dec-08	15.32	13.01	30.46	25.86
08-Dec-08	16.09	13.38	31.43	26.13
09-Dec-08	15.89	13.14	31.20	25.80
10-Dec-08	16.04	13.20	31.76	26.13
11-Dec-08	16.65	13.40	32.86	26.44
12-Dec-08	16.57	13.53	33.62	27.44
15-Dec-08	16.95	13.74	34.82	28.21
16-Dec-08	16.90	13.78	34.44	28.09
17-Dec-08	16.85	13.86	34.44	28.34
18-Dec-08	16.66	13.50	34.06	27.60
19-Dec-08	16.65	13.45	33.83	27.31
22-Dec-08	16.99	13.47	34.46	27.31
23-Dec-08	16.75	13.40	34.33	27.46
24-Dec-08	16.67	13.29	34.18	27.24
29-Dec-08	16.78	13.36	34.17	27.20
30-Dec-08	16.98	13.60	34.67	27.78
31-Dec-08	16.85	13.78	33.27	27.20
02-Jan-09	16.50	13.42	32.34	26.29
05-Jan-09	16.33	13.46	30.97	25.52

06-Jan-09	16.61	13.64	30.99	25.45
07-Jan-09	16.36	13.51	31.30	25.84
08-Jan-09	15.64	12.90	30.23	24.93
09-Jan-09	15.29	12.56	29.16	23.95
12-Jan-09	14.70	12.41	28.68	24.20
13-Jan-09	14.52	12.29	28.90	24.50
14-Jan-09	13.97	11.87	27.87	23.68
15-Jan-09	13.95	11.89	27.64	23.56
16-Jan-09	13.30	11.10	26.39	22.02
19-Jan-09	12.31	10.10	24.05	19.73
20-Jan-09	12.24	10.04	24.20	19.86
21-Jan-09	12.20	10.13	24.02	19.95
22-Jan-09	12.32	10.22	24.32	20.16
23-Jan-09	12.31	10.11	24.33	19.98
26-Jan-09	12.76	10.56	25.40	21.02
27-Jan-09	12.57	10.39	25.03	20.68
28-Jan-09	12.39	10.30	24.41	20.29
29-Jan-09	12.51	10.44	24.79	20.69
30-Jan-09	12.49	10.52	25.13	21.15
02-Feb-09	11.96	10.16	24.31	20.65
03-Feb-09	11.25	9.83	22.45	19.62
04-Feb-09	11.03	9.69	21.93	19.27
05-Feb-09	10.79	9.57	21.17	18.77
06-Feb-09	10.66	9.39	20.43	17.99
09-Feb-09	10.64	9.34	20.37	17.89
10-Feb-09	9.89	8.70	19.49	17.15
11-Feb-09	9.03	7.81	17.80	15.38
12-Feb-09	8.74	7.55	17.26	14.90
13-Feb-09	9.26	8.06	18.10	15.77
16-Feb-09	9.02	7.91	17.74	15.55
17-Feb-09	9.27	8.14	18.30	16.07
18-Feb-09	10.30	8.98	20.27	17.66
19-Feb-09	11.55	9.97	22.65	19.56
20-Feb-09	10.68	9.00	21.19	17.85
23-Feb-09	10.31	8.72	20.37	17.22
24-Feb-09	10.07	8.39	19.90	16.58
25-Feb-09	10.50	8.86	20.69	17.48
26-Feb-09	11.43	9.61	22.37	18.80
27-Feb-09	10.92	9.02	21.53	17.79
02-Mar-09	10.92	9.38	21.71	18.65
03-Mar-09	11.89	10.10	23.31	19.81
04-Mar-09	12.60	10.73	24.52	20.87
05-Mar-09	12.60	10.52	24.77	20.66
06-Mar-09	11.79	10.18	23.34	20.15
09-Mar-09	12.70	10.82	25.31	21.56
10-Mar-09	13.06	11.23	25.73	22.12
11-Mar-09	12.82	10.89	25.30	21.49
12-Mar-09	13.11	11.08	25.86	21.85
13-Mar-09	13.56	11.46	26.61	22.49
16-Mar-09	13.86	11.74	27.21	23.04
17-Mar-09	14.300	12.030	28.13	23.66
18-Mar-09	13.713	11.553	27.14	22.87
19-Mar-09	12.845	10.910		
20-Mar-09	12.308	10.503		
23-Mar-09	13.065	11.095		
24-Mar-09	12.385	10.455		
25-Mar-09	11.715	9.863		
26-Mar-09	12.068	10.055		
27-Mar-09	12.343	10.350		
31-Mar-09	12.923	10.753		
2-Apr-09	13.225	10.800		
3-Apr-09	13.618	10.998		
6-Apr-09	13.765	10.730		
7-Apr-09	13.398	10.388		
8-Apr-09	13.886	10.576		
9-Apr-09	14.463	10.890		
14-Apr-09	15.375	11.150		
15-Apr-09	14.978	11.185		
16-Apr-09	14.980	11.223		
17-Apr-09	14.865	11.228		
20-Apr-09	14.145	11.078		
21-Apr-09	14.268	11.185		
22-Apr-09	14.645	11.340		

23-Apr-09	14.530	11.568
24-Apr-09	14.850	11.750
27-Apr-09	14.710	11.750
29-Apr-09	14.813	11.778
30-Apr-09	15.328	11.848
1-May-09	15.425	11.993
5-May-09	15.248	11.925
6-May-09	15.665	12.158
7-May-09	15.908	12.218
8-May-09	16.713	12.730
11-May-09	17.055	13.080
12-May-09	16.250	12.385
13-May-09	15.843	12.268
14-May-09	15.556	12.120
15-May-09	15.173	11.805
18-May-09	15.513	11.983
19-May-09	15.778	12.260
20-May-09	16.358	12.818
21-May-09	16.115	12.565
22-May-09	16.303	12.805
25-May-09	16.115	12.805
26-May-09	16.115	12.810
27-May-09	16.323	12.983
28-May-09	16.215	12.993
29-May-09	15.940	12.968
1-Jun-09	16.215	13.008
2-Jun-09	15.988	12.825
3-Jun-09	15.295	12.330
4-Jun-09	15.210	12.456
5-Jun-09	15.143	12.245
8-Jun-09	14.328	11.660
9-Jun-09	14.123	11.580
10-Jun-09	14.295	11.680
11-Jun-09	14.413	11.720
12-Jun-09	14.043	11.328
15-Jun-09	13.345	10.773
16-Jun-09	13.973	11.218
17-Jun-09	13.933	11.265
18-Jun-09	13.863	11.165
19-Jun-09	14.328	11.588
22-Jun-09	13.928	11.240
23-Jun-09	14.010	11.428
24-Jun-09	14.308	11.710
25-Jun-09	14.463	11.898
26-Jun-09	14.428	11.803
29-Jun-09	14.608	12.070
30-Jun-09	14.278	11.793
1-Jul-09	14.235	11.930
2-Jul-09	14.058	11.885
3-Jul-09	13.980	11.928
6-Jul-09	14.010	11.900
7-Jul-09	14.150	11.978
8-Jul-09	14.433	11.978
9-Jul-09	14.848	12.028
10-Jul-09	15.038	12.140
13-Jul-09	15.730	12.695
14-Jul-09	15.293	12.408
15-Jul-09	15.553	12.823
16-Jul-09	15.558	13.043
17-Jul-09	15.113	12.833
20-Jul-09	15.168	12.900
21-Jul-09	15.505	12.843
22-Jul-09	15.398	12.758
23-Jul-09	15.438	12.770
24-Jul-09	15.305	12.795
27-Jul-09	15.118	12.728
28-Jul-09	14.768	12.465
29-Jul-09	14.565	12.228
30-Jul-09	14.725	12.243
31-Jul-09	14.688	12.188
3-Aug-09	15.410	12.508
4-Aug-09	15.610	12.780
5-Aug-09	15.330	12.563

6-Aug-09	15.335	12.830
7-Aug-09	15.275	12.838
10-Aug-09	15.133	12.575
11-Aug-09	15.098	12.565
12-Aug-09	15.290	12.810
13-Aug-09	15.263	12.595
14-Aug-09	15.280	12.895
17-Aug-09	15.393	12.768
18-Aug-09	15.675	12.965
19-Aug-09	15.823	13.065
20-Aug-09	16.035	13.185
21-Aug-09	16.303	13.258
24-Aug-09	16.120	13.260
25-Aug-09	16.115	13.315
26-Aug-09	16.045	13.328
27-Aug-09	16.020	13.300
28-Aug-09	16.050	13.315
31-Aug-09	15.775	13.255
1-Sep-09	15.710	13.255
2-Sep-09	15.920	13.235
3-Sep-09	16.225	13.440
4-Sep-09	16.053	13.433
7-Sep-09	16.178	13.453
8-Sep-09	16.280	13.490
9-Sep-09	15.998	13.315
10-Sep-09	15.910	13.203
11-Sep-09	15.350	12.785
14-Sep-09	14.665	12.096
15-Sep-09	15.010	12.473
16-Sep-09	14.808	12.375
17-Sep-09	14.695	12.375
18-Sep-09	14.348	12.140
21-Sep-09	14.668	12.380
22-Sep-09	14.440	12.180
23-Sep-09	13.998	11.798
24-Sep-09	13.463	11.458
25-Sep-09	13.755	11.825
28-Sep-09	14.168	11.700
29-Sep-09	13.778	11.415
30-Sep-09	14.033	11.838

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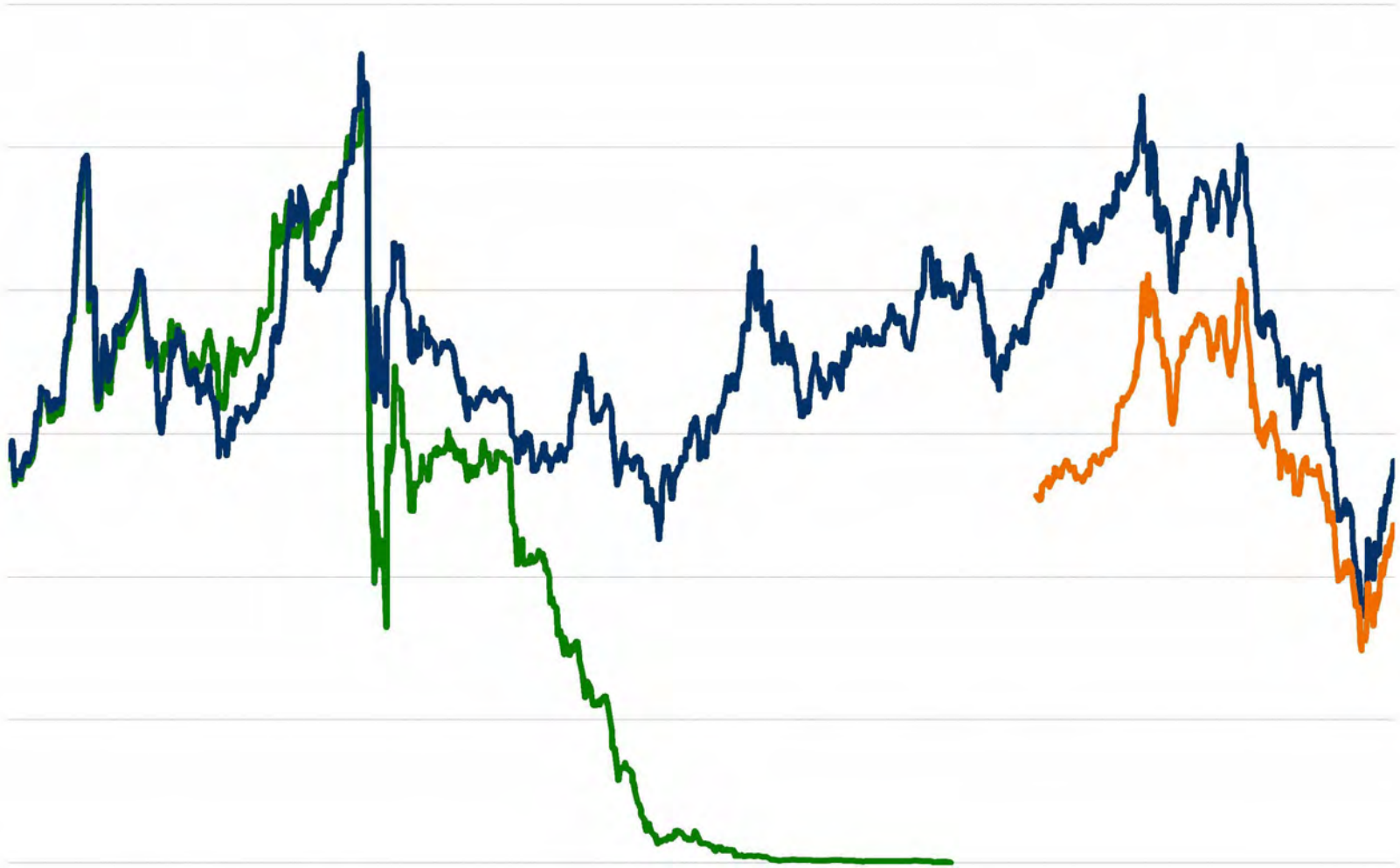

From:	Ishwar Saini
To:	mark.ferron@cpuc.ca.gov
Sent:	5/19/2011 12:47:24 PM
Subject:	Thank you.
Attachments:	FIEG Presentation to CPUC Final.ppt

Commissioner Ferron,

Thank you for your time on Tuesday, May 17, 2011 to discuss Risk management in California's renewable energy markets.

FIEG appreciates the opportunity and look forward to working with you and your team on some of the regulatory policy proceedings.

Attached is the final presentation for your records. Feel free to contact us for any questions.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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FIEG Presentation to CPUC

Comm. Florio and Comm. Ferron

May 17, 2011

Disclaimer

- Information presented here is meant to be informational and not necessarily accurate for all FIEG members.

FIEG

- Financial Institution Energy Group (FIEG) is comprised of investment and commercial banks
- Its members and their affiliates play a number of roles in California's wholesale power, natural gas, and renewable markets
- Members act as marketers, lenders, underwriters of debt and equity securities, and proprietary investors
- FERC has authorized FIEG's power-marketer members to sell energy, capacity, and AS at market based rates

FIEG Expertise

- FIEG members bring financial, physical, and risk management expertise to energy and environmental markets
- Active participants in global & national energy, renewable, and emissions markets
- Manage risk for clients in a dynamically changing regulatory and market environment
- Offerings with integrated energy, emissions, and financial products to clients

California's energy/environmental landscape

- Inherently complex with multiple regulatory institutions
- Markets are sensitive to respective regulatory policies, e.g.
  - CPUC's TREC decision
  - ARB Cap & Trade and Reporting regulations
  - CEC and REC eligibility
  - Legislative: RPS SB SBx1_2
- Regulatory policies have direct impact on investments, market prices, costs, and risk perception
- California markets remain a work in progress

Regulatory developments and risk assessment

- FIEG members monitor and manage regulatory and market risks
- Perceived high risk adds premium to deal prices with implications on liquidity, volatility, and potential investments
- On the contrary, reduced regulatory risk increases market liquidity and improves investment environment
- California's renewable energy markets are nascent and changing rapidly
  - High regulatory risk impedes both instate and out of state project financing
  - Creates reluctance for long term deal structures required for financing new infrastructure
  - Introduces uncertainties in grid operation planning, and market outcomes

Managing policy and regulatory risks

- Structured deals
- Project financing
  - Debt and equity
- Project development
- Regulatory advocacy and advisory
- Market liquidity
  - Trading and flow sales
  - Odd-lot liquidity

Typical examples of structured transactions

- Firming and shaping
- REC deals
- Carbon hedging
- Prepays
- Credit sleeves
- Tolling agreements
- PPAs
- Exhaustive/Dynamic contracts

Potential impact of regulatory policies

- Long term
  - Investments, risk, and returns in energy and environmental infrastructure
  - Long term hedging for both producers and consumers
- Medium term
  - Operational planning and policies
  - Impact on three to five year market environment
    - On most liquid term
  - Drives political and legislative initiatives
- Short term
  - Prices in regulatory driven markets (GHG allowances)
  - Impact on future price curves
  - Hedging costs and premiums

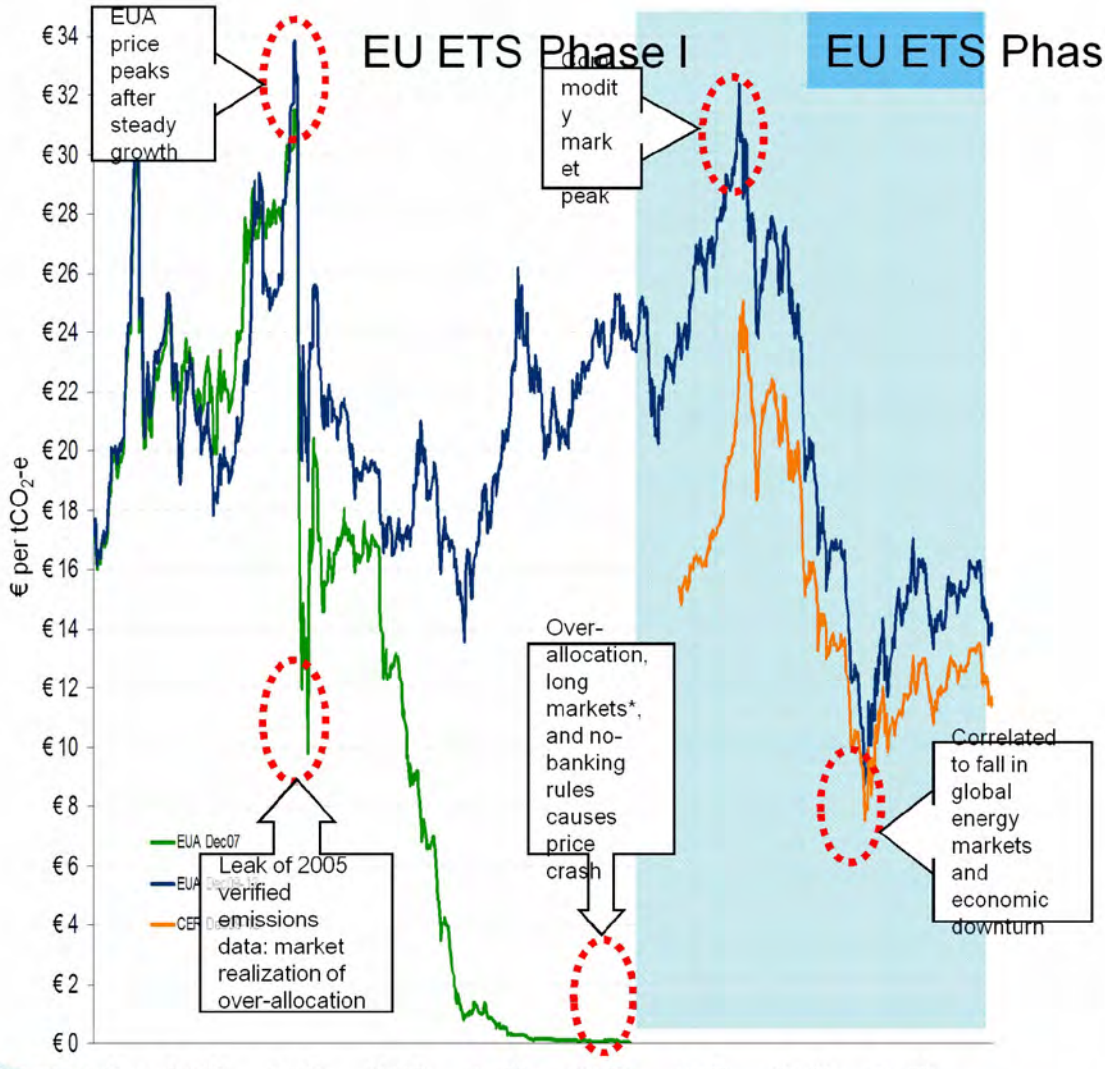
How regulatory policies impact markets?:
Forward Settled HR SP15 ONPEAK

Source: Intercontinental Exchange

Contd.. Impact of Allowance allocation on European Carbon ETS allowances

THE PRICE OF EUAs EXPERIENCED SIGNIFICANT VOLATILITY

Price evolution during the EU ETS has represented the market's view about the level of the carbon constraint, and the effort required to comply with it. It has interacted dynamically with fuel and weather markets, as well as expectations about economic growth.



Sources: ECX, Bloomberg

* Program created more allowances than there were actual emission

Recommendations

- Recommendations for nurturing renewables and environmental markets with manageable risk
  - Stable policies and rules
  - Non discriminatory regulations
  - Standardization of products and services
  - Market oriented regulatory environment
  - Integrated view of conventional power, renewables, and environmental markets
  - Effective end-user protection

FIEG members continue to add value

- FIEG members reduce risk, manage volatility, stabilize markets, and reduce costs for long terms benefits to ratepayers and consumers (e.g. providing quotes on large, small, or long-dated obligation hedges.)
- FIEG members bring national and international best industry practices to California's energy and environment industries
- In short, FIEG members manage risks in the renewable markets benefiting producers and consumers in the energy and environment value chain.

Latest date 3/18/2009

EUA

Date	Dec07	Dec08	Dec09	Dec10	Dec11	Dec12	EURAUD	EUR Avg	AUD Avg
22 Apr 05	16.95	17.00	17.05	17.10	17.15	17.20	1.67	17.08	28.50483
25 Apr 05	17.55	17.60	17.65	17.70	17.75	17.80	1.67	17.68	29.45995
26 Apr 05	17.20	17.25	17.30	17.35	17.40	17.45	1.67	17.33	28.88999
27 Apr 05	16.45	16.50	16.55	16.60	16.65	16.70	1.67	16.58	27.60976
28 Apr 05	16.00	16.10	16.10	16.15	16.20	16.25	1.65	16.13	26.69293
29 Apr 05	16.50	16.55	16.60	16.65	16.70	16.75	1.65	16.63	27.38149
03 May 05	16.25	16.30	16.35	16.40	16.45	16.50	1.66	16.38	27.25156
04 May 05	16.20	16.25	16.30	16.35	16.40	16.45	1.66	16.33	27.06684
05 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.66	16.73	27.74784
06 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.65	16.73	27.64018
09 May 05	17.00	17.05	17.10	17.15	17.20	17.25	1.66	17.13	28.48462
10 May 05	17.10	17.15	17.20	17.25	17.30	17.35	1.66	17.23	28.56019
11 May 05	16.90	16.95	17.00	17.05	17.10	17.15	1.65	17.03	28.14328
12 May 05	16.75	16.80	16.85	16.90	16.95	17.00	1.66	16.88	27.98616
13 May 05	16.80	17.00	17.05	17.10	17.15	17.20	1.66	17.05	28.28752
16 May 05	16.90	17.00	17.05	17.10	17.15	17.20	1.67	17.07	28.52631
17 May 05	17.20	17.40	17.45	17.50	17.55	17.60	1.67	17.45	29.09861
18 May 05	17.45	17.65	17.70	17.75	17.80	17.85	1.66	17.70	29.46153
19 May 05	18.00	18.10	18.15	18.20	18.25	18.30	1.67	18.17	30.28512
20 May 05	18.75	18.80	18.85	18.90	18.95	19.00	1.66	18.88	31.36366
23 May 05	18.50	18.75	18.80	18.90	19.00	19.10	1.66	18.84	31.20787
24 May 05	19.10	19.20	19.30	19.35	19.40	19.50	1.65	19.31	31.81261
25 May 05	19.95	20.00	20.05	20.10	20.15	20.20	1.65	20.08	33.18094
26 May 05	19.75	19.90	19.95	20.00	20.05	20.10	1.65	19.96	32.88223
27 May 05	19.65	19.85	19.90	19.95	20.00	20.05	1.65	19.90	32.78724
31 May 05	19.90	20.05	20.10	20.15	20.20	20.25	1.63	20.11	32.76718
01 Jun 05	19.60	19.70	19.75	19.80	19.85	19.90	1.63	19.77	32.23564
02 Jun 05	19.50	19.70	19.75	19.80	19.90	20.00	1.63	19.78	32.1553
03 Jun 05	19.10	19.35	19.45	19.50	19.60	19.65	1.62	19.44	31.41738
06 Jun 05	19.30	19.60	19.65	19.75	19.80	19.90	1.60	19.67	31.52403
07 Jun 05	19.60	19.90	20.00	20.10	20.20	20.30	1.60	20.02	31.98079
08 Jun 05	19.80	20.00	20.10	20.20	20.30	20.40	1.60	20.13	32.18545
09 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.67832
10 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.64802
13 Jun 05	19.85	20.15	20.25	20.30	20.40	20.45	1.59	20.23	32.18945
14 Jun 05	19.90	20.20	20.30	20.40	20.50	20.55	1.58	20.31	32.00852
15 Jun 05	20.10	20.20	20.30	20.40	20.50	20.60	1.57	20.35	32.01734
16 Jun 05	20.60	20.65	20.75	20.80	20.90	20.95	1.56	20.78	32.5092
17 Jun 05	21.50	21.60	21.70	21.80	21.90	22.00	1.58	21.75	34.34783
20 Jun 05	22.95	23.10	23.20	23.30	23.40	23.50	1.57	23.24	36.37411
21 Jun 05	23.00	23.20	23.30	23.45	23.55	23.70	1.56	23.37	36.44167
22 Jun 05	23.20	23.30	23.40	23.50	23.60	23.70	1.56	23.45	36.51245
23 Jun 05	23.40	23.50	23.65	23.75	23.90	24.00	1.56	23.70	36.92432
24 Jun 05	24.00	24.05	24.15	24.25	24.35	24.45	1.57	24.21	38.06438
27 Jun 05	23.95	24.05	24.15	24.25	24.35	24.45	1.58	24.20	38.24067
28 Jun 05	24.50	24.65	24.75	24.85	24.95	25.05	1.58	24.79	39.21032
29 Jun 05	25.45	25.60	25.75	25.85	25.00	26.15	1.58	25.80	40.86272
30 Jun 05	25.80	26.00	26.20	26.40	26.60	26.80	1.59	26.30	41.80991
01 Jul 05	26.90	27.10	27.25	27.40	27.55	27.70	1.59	27.32	43.49319
04 Jul 05	29.45	29.60	29.70	29.85	29.95	30.10	1.59	29.78	47.27397

CER

Date	Dec08	Dec09	Dec10	Dec11	Dec12	Mar09	EURAUD	EUR Avg	AUD Avg
3/14/2008	16.30	15.45	15.25	15.35	15.50		1.67	15.57	26.03379
3/17/2008	15.65	14.90	14.70	14.70	15.00		1.71	14.99	25.66958
3/18/2008	15.85	15.10	14.90	14.95	15.20		1.69	15.20	25.72161
3/19/2008	15.90	15.10	14.85	14.90	15.10		1.71	15.17	25.8667
3/20/2008	16.28	15.45	15.23	15.25	15.48		1.71	15.54	26.64257
3/25/2008	16.55	15.75	15.55	15.70	15.90		1.70	15.89	27.04941
3/26/2008	16.42	15.72	15.45	15.60	15.88		1.72	15.81	27.23427
3/27/2008	15.75	15.45	15.42	15.58	15.84		1.71	15.61	26.75535
3/28/2008	15.36	15.15	15.17	15.30	15.63		1.72	15.32	26.34654
3/31/2008	15.43	15.25	15.43	15.61	15.88		1.73	15.52	26.81391
4/1/2008	15.40	15.28	15.45	15.70	16.00		1.72	15.57	26.8197
4/2/2008	15.95	15.78	15.93	16.20	16.55		1.72	16.08	27.58416
4/3/2008	15.90	15.70	15.85	16.35	16.70		1.71	16.10	27.52225
4/4/2008	15.88	15.75	15.88	16.23	16.55		1.70	16.08	27.40592
4/7/2008	15.90	15.70	15.90	16.30	16.70		1.70	16.10	27.29241
4/8/2008	15.75	15.55	15.75	16.15	16.55		1.69	15.95	26.93378
4/9/2008	15.84	15.55	15.72	16.15	16.55		1.70	15.96	27.20175
4/10/2008	16.30	15.85	16.19	16.55	16.95		1.69	16.37	27.63277
4/11/2008	16.16	15.91	16.05	16.40	16.80		1.70	16.26	27.67633
4/14/2008	16.40	16.06	16.25	16.60	17.05		1.71	16.47	28.14984
4/15/2008	16.40	16.10	16.20	16.55	17.00		1.71	16.45	28.09772
4/16/2008	16.30	16.00	16.13	16.40	16.85		1.70	16.34	27.73363
4/17/2008	16.25	15.90	16.05	16.40	16.95		1.70	16.31	27.67039
4/18/2008	16.15	15.85	16.00	16.35	16.80		1.69	16.23	27.45695
4/21/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.63261
4/22/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.68231
4/23/2008	16.08	15.83	15.95	16.35	16.80		1.67	16.20	27.1062
4/24/2008	16.00	15.68	15.90	16.21	16.65		1.67	16.09	26.82612
4/25/2008	16.00	15.70	16.00	16.30	16.75		1.67	16.15	27.01032
4/28/2008	15.95	15.70	15.95	16.25	16.70		1.67	16.11	26.85596
4/29/2008	15.97	15.72	15.97	16.27	16.72		1.67	16.13	26.87543
4/30/2008	16.07	15.90	16.25	16.45	16.85		1.66	16.26	26.92603
5/1/2008	16.04	15.63	15.88	16.33	16.70		1.65	16.12	26.66979
5/2/2008	16.40	16.05	16.20	16.45	16.80		1.65	16.38	26.96659
5/6/2008	16.85	16.50	16.65	16.85	17.25		1.63	16.82	27.47647
5/7/2008	16.59	16.26	16.41	16.61	17.25		1.63	16.62	27.1738
5/8/2008	16.61	16.40	16.60	16.90	17.42		1.63	16.79	27.37368
5/9/2008	16.89	16.70	16.90	17.23	17.75		1.64	17.09	28.05398
5/12/2008	17.00	16.70	17.00	17.30	17.85		1.64	17.17	28.16368
5/13/2008	17.15	16.90	17.10	17.40	17.95		1.64	17.30	28.44445
5/14/2008	16.85	16.50	16.80	17.10	17.80		1.65	17.01	28.14505
5/15/2008	16.90	16.60	16.90	17.20	17.80		1.64	17.08	28.04444
5/16/2008	17.00	16.65	16.95	17.25	17.85		1.63	17.14	27.98424
5/19/2008	17.05	16.78	16.88	17.27	17.80		1.63	17.16	27.9045
5/20/2008	17.10	16.75	16.94	17.25	17.83		1.63	17.17	28.07314
5/21/2008	17.33	17.03	17.15	17.35	17.95		1.64	17.36	28.47143
5/22/2008	17.38	17.05	17.10	17.50	18.03		1.64	17.41	28.62782
5/23/2008	17.35	17.02	17.20	17.50	18.00		1.64	17.41	28.59356
5/26/2008	17.28	17.00	17.30	17.55	18.15		1.64	17.46	28.65123
5/27/2008	17.60	17.25	17.35	17.65	18.35		1.64	17.64	28.86966

05 Jul 05	28.85	29.00	29.10	29.25	29.35	29.50	1.61	29.18	46.83225
06 Jul 05	29.30	29.55	29.70	29.85	30.00	30.15	1.61	29.76	47.89828
07 Jul 05	29.40	29.65	29.80	29.95	30.10	30.25	1.61	29.86	48.16323
08 Jul 05	29.70	30.00	30.20	30.40	30.60	30.80	1.61	30.28	48.82836
11 Jul 05	29.90	30.15	30.35	30.55	30.75	30.95	1.61	30.44	49.13565
12 Jul 05	29.45	29.65	29.80	29.95	30.10	30.25	1.62	29.87	48.27566
13 Jul 05	27.95	28.15	28.25	28.35	28.45	28.55	1.61	28.28	45.59051
14 Jul 05	24.00	24.15	24.30	24.45	24.60	24.75	1.61	24.38	39.16499
15 Jul 05	24.30	24.50	24.65	24.85	25.00	25.20	1.61	24.75	39.74165
18 Jul 05	24.70	25.00	25.05	25.10	25.15	25.20	1.60	25.03	40.04043
19 Jul 05	24.55	24.70	24.80	24.90	25.00	25.05	1.60	24.83	39.7747
20 Jul 05	20.90	21.25	21.45	21.65	21.85	22.05	1.61	21.53	34.5981
21 Jul 05	20.35	20.60	20.85	21.10	21.30	21.55	1.59	20.96	33.31636
22 Jul 05	20.10	20.25	20.35	20.40	20.50	20.55	1.58	20.36	32.13624
25 Jul 05	20.15	20.40	20.55	20.75	20.90	21.10	1.58	20.64	32.64407
26 Jul 05	20.80	21.00	21.20	21.40	21.60	21.80	1.58	21.30	33.75073
27 Jul 05	22.05	22.25	22.40	22.50	22.65	22.75	1.60	22.43	35.81247
28 Jul 05	22.05	22.25	22.35	22.50	22.60	22.75	1.60	22.42	35.80124
29 Jul 05	22.35	22.55	22.70	22.90	23.05	23.25	1.60	22.80	36.49642
01 Aug 05	21.45	21.65	21.80	22.00	22.20	22.40	1.60	21.92	35.04349
02 Aug 05	20.70	20.95	21.05	21.10	21.20	21.25	1.59	21.04	33.52246
03 Aug 05	20.70	20.90	21.10	21.30	21.50	21.70	1.60	21.20	33.86237
04 Aug 05	20.50	20.70	20.90	21.10	21.30	21.50	1.60	21.00	33.64283
05 Aug 05	21.25	21.45	21.55	21.70	21.80	21.95	1.61	21.62	34.75114
08 Aug 05	21.75	21.95	22.05	22.20	22.30	22.45	1.62	22.12	35.74664
09 Aug 05	22.45	22.65	22.75	22.90	23.00	23.15	1.62	22.82	37.07299
10 Aug 05	22.45	22.60	22.80	22.95	23.15	23.30	1.62	22.88	36.95691
11 Aug 05	22.55	22.85	23.05	23.25	23.45	23.65	1.61	23.13	37.20048
12 Aug 05	22.80	23.00	23.10	23.20	23.30	23.40	1.61	23.13	37.21915
15 Aug 05	22.40	22.60	22.75	22.90	23.05	23.20	1.61	22.82	36.70811
16 Aug 05	22.45	22.65	22.80	22.95	23.10	23.25	1.61	22.87	36.72297
17 Aug 05	22.80	23.00	23.15	23.35	23.50	23.70	1.61	23.25	37.48636
18 Aug 05	22.75	22.95	23.05	23.25	23.45	23.65	1.62	23.18	37.48815
19 Aug 05	22.90	23.05	23.20	23.30	23.45	23.55	1.62	23.24	37.61642
22 Aug 05	23.05	23.25	23.40	23.55	23.70	23.85	1.62	23.47	38.01957
23 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	37.94946
24 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	38.05781
25 Aug 05	23.35	23.50	23.60	23.70	23.80	23.90	1.62	23.64	38.28517
30 Aug 05	23.65	23.85	24.05	24.20	24.40	24.55	1.63	24.12	39.39254
31 Aug 05	23.95	24.10	24.25	24.40	24.55	24.70	1.64	24.33	39.78545
01 Sep 05	24.40	24.60	24.75	24.90	25.05	25.20	1.64	24.82	40.66722
02 Sep 05	24.75	24.90	25.05	25.20	25.35	25.50	1.64	25.13	41.14481
05 Sep 05	24.75	24.95	25.10	25.25	25.40	25.55	1.63	25.17	41.09002
06 Sep 05	24.65	24.80	24.95	25.05	25.20	25.30	1.62	24.99	40.57035
07 Sep 05	24.70	24.90	25.00	25.15	25.30	25.45	1.62	25.08	40.65114
08 Sep 05	24.35	24.45	24.55	24.65	24.75	24.85	1.60	24.60	39.45955
09 Sep 05	23.75	23.90	24.00	24.15	24.25	24.40	1.60	24.08	38.57365
12 Sep 05	22.25	22.40	22.50	22.60	22.70	22.80	1.60	22.54	35.96014
13 Sep 05	21.75	21.85	21.95	22.05	22.15	22.25	1.60	22.00	35.11667
14 Sep 05	22.45	22.45	22.55	22.65	22.75	22.85	1.59	22.62	36.00218
15 Sep 05	22.70	22.65	22.80	22.90	23.00	23.10	1.59	22.86	36.44426
16 Sep 05	22.05	22.10	22.20	22.30	22.40	22.50	1.59	22.26	35.46713
19 Sep 05	22.60	22.70	22.80	22.90	23.00	23.10	1.58	22.85	36.19789
20 Sep 05	22.05	21.95	22.25	22.35	22.45	22.55	1.58	22.27	35.22094
21 Sep 05	22.00	20.50	20.65	20.75	20.85	21.00	1.58	20.96	33.20776
22 Sep 05	22.30	20.50	20.60	20.70	20.80	20.90	1.59	20.97	33.39308
23 Sep 05	22.05	19.00	19.15	19.30	19.45	19.60	1.59	19.76	31.41937
26 Sep 05	21.60	18.50	18.65	18.80	18.95	19.10	1.59	19.27	30.72641
27 Sep 05	22.05	19.05	19.15	19.25	19.35	19.45	1.59	19.72	31.32357
28 Sep 05	22.75	20.00	20.10	20.20	20.30	20.40	1.59	20.63	32.70742
29 Sep 05	22.90	20.00	20.10	20.20	20.30	20.40	1.58	20.65	32.68765
30 Sep 05	22.85	20.35	20.45	20.55	20.65	20.75	1.58	20.93	32.99531
03 Oct 05	22.75	20.70	20.70	20.80	20.90	21.00	1.56	21.14	32.98707
04 Oct 05	23.30	21.55	21.65	21.75	21.85	21.95	1.56	22.01	34.33943
05 Oct 05	23.80	22.00	22.05	22.10	22.15	22.20	1.58	22.38	35.3851

5/28/2008	17.65	17.20	17.30	17.60	18.20		1.63	17.59	28.58861
5/29/2008	17.83	17.38	17.41	17.75	18.25		1.62	17.72	28.72153
5/30/2008	17.85	17.45	17.50	17.85	18.40		1.63	17.81	28.96706
6/2/2008	17.93	17.45	17.51	17.87	18.41		1.63	17.83	29.0184
6/3/2008	19.04	18.55	18.60	19.00	19.50		1.62	18.94	30.76058
6/4/2008	19.15	18.60	18.50	18.80	19.15		1.61	18.84	30.38534
6/5/2008	19.45	18.85	18.73	18.90	19.40		1.63	19.07	31.0202
6/6/2008	20.38	19.57	19.35	19.30	19.80		1.64	19.68	32.23193
6/9/2008	20.33	19.50	19.30	19.40	19.73		1.65	19.65	32.34236
6/10/2008	20.15	19.55	19.40	19.55	19.80		1.63	19.69	32.16084
6/11/2008	20.20	19.69	19.60	19.75	20.10		1.64	19.87	32.63062
6/12/2008	20.10	19.50	19.50	19.63	19.95		1.65	19.74	32.56302
6/13/2008	20.15	19.65	19.60	19.75	20.05		1.64	19.84	32.4627
6/16/2008	20.20	19.70	19.65	19.80	20.10		1.65	19.89	32.72161
6/17/2008	20.29	19.84	19.75	19.90	20.20		1.64	20.00	32.85379
6/18/2008	20.43	20.06	19.90	19.91	20.26		1.64	20.11	33.0012
6/19/2008	20.43	20.19	20.05	20.10	20.45		1.63	20.24	32.98684
6/20/2008	20.21	20.23	20.06	20.16	20.40		1.64	20.21	33.09493
6/23/2008	20.35	20.42	20.50	20.62	20.98		1.63	20.57	33.56139
6/24/2008	20.41	20.68	20.85	21.10	21.55		1.63	20.92	34.10699
6/25/2008	20.10	20.40	20.60	20.85	21.35		1.63	20.66	33.76282
6/26/2008	20.32	20.71	20.97	21.28	21.78		1.65	21.01	34.61987
6/27/2008	20.57	21.04	21.34	21.81	22.43		1.64	21.44	35.23612
6/30/2008	20.90	21.47	21.80	22.35	23.00		1.64	21.90	35.99344
7/1/2008	21.91	22.64	23.09	23.73	24.67		1.66	23.21	38.4178
7/2/2008	22.34	23.37	24.05	24.91	25.85		1.65	24.10	39.76223
7/3/2008	21.30	22.25	22.92	23.89	24.93		1.63	23.06	37.6827
7/4/2008	21.90	22.83	23.50	24.45	25.48		1.63	23.63	38.49733
7/7/2008	22.94	23.88	24.51	25.42	26.34		1.64	24.62	40.45862
7/8/2008	21.54	22.23	22.82	23.70	24.65		1.64	22.99	37.71421
7/9/2008	21.80	22.49	23.05	23.85	24.99		1.65	23.24	38.27205
7/10/2008	22.05	22.65	23.16	24.03	25.01		1.64	23.38	38.3362
7/11/2008	22.54	23.29	23.70	24.59	25.50		1.65	23.92	39.43592
7/14/2008	22.45	23.10	23.55	24.30	25.30		1.64	23.74	38.84246
7/15/2008	21.95	22.64	22.94	23.70	24.60		1.62	23.17	37.63347
7/16/2008	21.25	21.90	22.24	22.80	23.63		1.62	22.36	36.30827
7/17/2008	21.85	22.50	22.85	23.35	24.21		1.63	22.95	37.48021
7/18/2008	21.11	21.76	22.04	22.54	23.39		1.63	22.17	36.18428
7/21/2008	21.10	21.78	22.06	22.54	23.38		1.63	22.17	36.14461
7/22/2008	20.80	21.47	21.74	22.24	22.99		1.62	21.85	35.49862
7/23/2008	20.03	20.67	20.94	21.41	22.18		1.63	21.05	34.31557
7/24/2008	20.27	20.93	21.16	21.61	22.40		1.63	21.27	34.75638
7/25/2008	20.12	20.84	21.14	21.52	22.26		1.64	21.18	34.75286
7/28/2008	19.52	20.24	20.51	20.97	21.56		1.65	20.56	33.82917
7/29/2008	18.95	19.56	19.81	20.21	20.85		1.64	19.88	32.52062
7/30/2008	18.25	18.87	19.05	19.30	19.80		1.65	19.05	31.4569
7/31/2008	17.72	18.31	18.48	18.83	19.30		1.66	18.53	30.67213
8/1/2008	17.44	18.03	18.10	18.44	18.90		1.67	18.16	30.38285
8/4/2008	18.14	18.64	18.70	18.88	19.08		1.68	18.69	31.32222
8/5/2008	18.60	19.16	19.19	19.53	19.84		1.69	19.26	32.5153
8/6/2008	18.59	19.25	19.49	20.04	20.74		1.70	19.62	33.2857
8/7/2008	19.20	19.94	20.20	20.77	21.59		1.69	20.34	34.38914
8/8/2008	19.27	20.02	20.34	20.89	21.64		1.69	20.43	34.50889
8/11/2008	19.45	20.22	20.54	21.09	21.90		1.69	20.64	34.83617
8/12/2008	19.96	20.76	21.10	21.68	22.44		1.71	21.19	36.13817
8/13/2008	19.85	20.68	21.13	21.69	22.50		1.70	21.17	36.0658
8/14/2008	19.71	20.54	21.00	21.60	22.39		1.70	21.05	35.79099
8/15/2008	19.67	20.48	20.93	21.51	22.31		1.69	20.98	35.53797
8/18/2008	20.14	20.96	21.37	21.95	22.77		1.69	21.44	36.31248
8/19/2008	20.11	20.91	21.32	21.90	22.71		1.70	21.39	36.27181
8/20/2008	20.32	21.13	21.54	22.11	22.93		1.69	21.61	36.47898
8/21/2008	20.45	21.25	21.68	22.24	23.07		1.69	21.74	36.78447
8/22/2008	20.34	21.13	21.55	22.10	22.94		1.70	21.61	36.83896
8/25/2008	20.40	21.20	21.60	22.15	23.00		1.71	21.67	37.02394
8/26/2008	20.56	21.36	21.76	22.29	23.13		1.71	21.82	37.34895

06 Oct 05	23.60	22.55	22.60	22.65	22.70	22.75	1.61	22.81	36.61587
07 Oct 05	23.05	21.90	22.00	22.05	22.10	22.20	1.60	22.22	35.59438
10 Oct 05	23.05	22.25	22.60	22.70	22.80	22.90	1.59	22.72	36.11506
11 Oct 05	23.15	22.40	22.45	22.60	22.75	22.90	1.59	22.71	36.18844
12 Oct 05	23.50	22.70	22.80	22.95	23.10	23.25	1.59	23.05	36.68919
13 Oct 05	23.45	22.85	23.05	23.20	23.35	23.50	1.60	23.23	37.20257
14 Oct 05	23.05	22.30	22.50	22.70	22.90	23.10	1.61	22.76	36.55253
17 Oct 05	23.10	22.70	22.80	22.90	23.00	23.10	1.60	22.93	36.79777
18 Oct 05	22.85	22.40	22.45	22.50	22.55	22.60	1.60	22.56	36.05531
19 Oct 05	22.40	22.00	22.15	22.30	22.45	22.60	1.60	22.32	35.64923
20 Oct 05	22.10	21.50	21.65	21.80	21.95	22.10	1.60	21.85	34.89308
21 Oct 05	21.80	21.30	21.45	21.60	21.75	21.90	1.60	21.63	34.53276
24 Oct 05	21.45	20.75	20.85	20.95	21.05	21.15	1.60	21.03	33.57403
25 Oct 05	21.40	20.90	21.00	21.10	21.20	21.30	1.60	21.15	33.80913
26 Oct 05	21.65	20.55	20.70	20.85	21.00	21.15	1.60	20.98	33.55394
27 Oct 05	21.85	21.00	21.10	21.20	21.30	21.40	1.60	21.31	34.14837
28 Oct 05	22.10	21.10	21.20	21.30	21.40	21.50	1.61	21.43	34.47765
31 Oct 05	21.90	21.25	21.35	21.45	21.55	21.65	1.60	21.53	34.5245
01 Nov 05	21.75	20.20	20.45	20.65	20.90	21.10	1.61	20.84	33.57086
02 Nov 05	21.35	20.15	20.35	20.50	20.70	20.90	1.62	20.66	33.56716
03 Nov 05	21.25	19.50	19.65	19.85	20.00	20.15	1.62	20.07	32.45766
04 Nov 05	21.35	19.75	19.95	20.15	20.35	20.55	1.61	20.35	32.78807
07 Nov 05	21.60	19.90	20.10	20.30	20.50	20.70	1.61	20.52	33.01905
08 Nov 05	22.05	20.35	20.50	20.65	21.00	21.20	1.60	20.96	33.5975
09 Nov 05	22.50	20.35	20.40	20.50	20.65	20.80	1.60	20.87	33.30659
10 Nov 05	22.70	20.40	20.55	20.70	20.85	21.00	1.60	21.03	33.71661
11 Nov 05	22.70	20.25	20.40	20.60	20.80	21.00	1.60	20.96	33.47469
14 Nov 05	23.15	20.90	21.40	21.55	21.70	21.85	1.61	21.76	34.95272
15 Nov 05	22.90	20.55	20.65	20.80	20.95	21.10	1.60	21.16	33.81428
16 Nov 05	22.75	20.25	20.35	20.45	20.55	20.65	1.60	20.83	33.29859
17 Nov 05	22.45	20.05	20.15	20.25	20.35	20.45	1.60	20.62	32.96032
18 Nov 05	21.65	20.00	20.10	20.20	20.30	20.40	1.61	20.44	32.80906
21 Nov 05	21.70	19.25	19.35	19.45	19.55	19.65	1.59	19.83	31.57829
22 Nov 05	22.20	20.00	20.05	20.10	20.15	20.20	1.60	20.45	32.70789
23 Nov 05	21.60	18.85	18.90	19.00	19.05	19.10	1.60	19.42	31.05057
24 Nov 05	19.90	17.60	17.70	17.80	17.90	18.00	1.59	18.15	28.92726
25 Nov 05	20.15	18.30	18.40	18.50	18.60	18.70	1.59	18.78	29.88571
28 Nov 05	20.50	18.50	18.40	18.50	18.60	18.70	1.59	18.87	30.05743
29 Nov 05	19.90	18.25	18.35	18.45	18.55	18.65	1.60	18.69	29.82195
30 Nov 05	20.15	18.05	18.20	18.30	18.40	18.50	1.59	18.60	29.65059
01 Dec 05	20.55	18.25	18.35	18.45	18.55	18.65	1.58	18.80	29.67465
02 Dec 05	21.80	18.50	18.40	18.30	18.20	18.10	1.56	18.88	29.53437
05 Dec 05	22.70	19.80	19.70	19.60	19.50	19.40	1.57	20.12	31.56466
06 Dec 05	23.40	20.10	20.00	19.90	19.80	19.70	1.56	20.48	32.04044
07 Dec 05	22.90	19.90	19.70	19.60	19.50	19.40	1.57	20.17	31.60875
08 Dec 05	22.05	19.25	19.05	18.90	18.80	18.70	1.57	19.46	30.63534
09 Dec 05	21.70	19.00	19.20	19.30	19.40	19.50	1.57	19.68	30.93755
12 Dec 05	22.35	19.25	19.35	19.45	19.55	19.65	1.58	19.93	31.55578
13 Dec 05	22.70	19.75	19.90	20.05	20.20	20.35	1.58	20.49	32.41133
14 Dec 05	22.45	19.40	19.55	19.70	19.85	20.00	1.59	20.16	31.98821
15 Dec 05	22.40	19.45	19.60	19.75	19.85	20.00	1.60	20.18	32.27619
16 Dec 05	22.10	19.25	19.35	19.45	19.55	19.65	1.61	19.89	32.11185
19 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.62	19.98	32.34954
20 Dec 05	21.95	19.10	19.25	19.40	19.55	19.70	1.62	19.83	32.09156
21 Dec 05	21.85	19.00	19.15	19.30	19.45	19.60	1.61	19.73	31.82807
22 Dec 05	21.65	19.10	19.20	19.30	19.40	19.50	1.62	19.69	31.98563
23 Dec 05	21.35	18.70	18.80	18.90	19.00	19.10	1.63	19.31	31.47509
27 Dec 05	21.65	19.00	19.10	19.20	19.30	19.40	1.64	19.61	32.0683
28 Dec 05	21.85	19.15	19.25	19.35	19.45	19.55	1.63	19.77	32.13662
29 Dec 05	22.05	19.55	19.65	19.75	19.85	19.95	1.62	20.13	32.53445
30 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.61	19.98	32.18077
03 Jan 06	22.75	19.70	19.80	19.90	20.00	20.10	1.62	20.38	33.01227
04 Jan 06	23.05	20.05	20.15	20.25	20.35	20.45	1.62	20.72	33.55703
05 Jan 06	23.45	20.00	20.15	20.25	20.35	20.45	1.62	20.78	33.58321
06 Jan 06	24.00	20.80	21.00	21.10	21.20	21.30	1.61	21.57	34.71891

8/27/2008	20.87	21.60	21.85	22.33	23.10	1.71	21.95	37.63858
8/28/2008	20.99	21.70	21.95	22.40	23.13	1.71	22.03	37.58769
8/29/2008	21.20	21.90	22.08	22.50	23.26	1.71	22.19	37.90735
9/1/2008	21.00	21.70	21.91	22.34	23.10	1.72	22.01	37.78821
9/2/2008	20.55	21.21	21.43	21.85	22.61	1.73	21.53	37.24461
9/3/2008	20.48	21.16	21.35	21.77	22.51	1.73	21.45	37.22242
9/4/2008	20.70	21.38	21.60	21.94	22.65	1.74	21.65	37.64496
9/5/2008	20.35	20.97	21.12	21.52	22.32	1.75	21.26	37.20771
9/8/2008	20.25	20.87	21.12	21.42	22.12	1.73	21.16	36.5919
9/9/2008	19.23	19.89	20.10	20.43	21.12	1.76	20.15	35.51827
9/10/2008	19.05	19.75	19.94	20.28	20.96	1.75	20.00	34.95637
9/11/2008	19.01	19.70	19.94	20.28	20.95	1.74	19.98	34.76856
9/12/2008	19.74	20.39	20.64	20.99	21.74	1.73	20.70	35.75917
9/15/2008	19.23	19.90	20.18	20.52	21.33	1.77	20.23	35.85037
9/16/2008	19.20	19.85	20.05	20.36	21.11	1.77	20.11	35.52706
9/17/2008	19.15	19.94	20.21	20.56	21.33	1.80	20.24	36.4968
9/18/2008	19.54	20.30	20.61	21.00	21.88	1.79	20.67	36.90189
9/19/2008	20.42	21.17	21.59	21.92	22.78	1.73	21.58	37.42122
9/22/2008	20.35	21.08	21.53	21.88	22.78	1.75	21.52	37.59583
9/23/2008	20.20	20.93	21.31	21.68	22.58	1.76	21.34	37.48103
9/24/2008	19.68	20.36	20.74	21.06	22.01	1.75	20.77	36.43006
9/25/2008	19.61	20.13	20.46	20.77	21.51	1.75	20.50	35.86158
9/26/2008	19.50	19.75	20.04	20.35	20.94	1.76	20.12	35.38989
9/29/2008	18.41	18.52	18.85	19.17	19.72	1.80	18.93	34.07878
9/30/2008	18.45	18.63	18.90	19.21	19.78	1.78	18.99	33.82531
10/1/2008	18.95	19.15	19.47	19.78	20.36	1.78	19.54	34.72508
10/2/2008	19.20	19.45	19.74	20.10	20.82	1.79	19.86	35.45683
10/3/2008	18.98	19.14	19.45	19.79	20.46	1.78	19.56	34.79268
10/6/2008	18.41	18.52	18.72	19.02	19.68	1.92	18.87	36.15196
10/7/2008	18.79	18.89	19.07	19.36	19.95	1.91	19.21	36.63085
10/8/2008	18.78	18.84	18.97	19.26	19.89	2.02	19.15	38.75183
10/9/2008	19.60	19.67	19.76	20.02	20.68	1.96	19.95	39.0901
10/10/2008	19.11	19.10	19.26	19.52	20.10	2.09	19.42	40.60768
10/13/2008	19.71	19.60	19.73	20.02	20.37	1.99	19.89	39.50529
10/14/2008	20.20	20.06	20.07	20.32	20.72	1.95	20.27	39.60647
10/15/2008	19.83	19.70	19.69	19.94	20.40	2.01	19.91	39.94942
10/16/2008	18.83	18.93	19.03	19.29	19.93	1.96	19.20	37.64268
10/17/2008	18.77	18.78	18.90	19.21	19.77	1.94	19.09	36.95791
10/20/2008	18.55	18.45	18.60	18.90	19.33	1.90	18.77	35.62931
10/21/2008	17.90	17.75	17.95	18.05	18.60	1.92	18.05	34.59361
10/22/2008	16.65	16.46	16.45	16.65	17.21	1.91	16.68	31.91144
10/23/2008	16.96	16.78	16.78	16.95	17.55	1.96	17.00	33.3956
10/24/2008	16.02	15.83	15.85	16.00	16.59	2.03	16.06	32.60011
10/27/2008	15.08	14.87	14.86	15.06	15.69	2.06	15.11	31.18603
10/28/2008	15.20	15.02	15.02	15.16	15.78	1.98	15.24	30.15717
10/29/2008	15.69	15.54	15.54	15.71	16.29	1.93	15.75	30.35377
10/30/2008	15.19	15.23	15.39	15.62	16.32	1.90	15.55	29.58788
10/31/2008	15.05	15.13	15.37	15.49	16.19	1.91	15.45	29.44554
11/3/2008	15.12	15.19	15.36	15.65	16.39	1.86	15.54	28.97664
11/4/2008	15.45	15.55	15.93	16.43	17.10	1.87	16.09	30.02809
11/5/2008	15.10	15.17	15.51	15.89	16.56	1.88	15.65	29.364
11/6/2008	15.13	15.14	15.43	15.79	16.43	1.91	15.58	29.73124
11/7/2008	15.62	15.63	15.92	16.30	16.90	1.89	16.07	30.3393
11/10/2008	15.70	15.70	15.99	16.36	17.00	1.90	16.15	30.72271
11/11/2008	15.36	15.38	15.64	16.01	16.64	1.91	15.81	30.15315
11/12/2008	15.65	15.49	15.78	16.15	16.73	1.96	15.96	31.24578
11/13/2008	15.87	15.60	15.82	16.13	16.64	1.95	16.01	31.23358
11/14/2008	15.50	15.26	15.51	15.74	16.31	1.93	15.66	30.25246
11/17/2008	15.30	15.03	15.12	15.36	15.52	1.94	15.27	29.56255
11/18/2008	14.95	14.71	14.71	14.91	15.21	1.94	14.90	28.92287
11/19/2008	14.81	14.64	14.64	14.79	15.04	1.94	14.78	28.70136
11/20/2008	13.35	13.15	13.15	13.34	13.56	2.02	13.31	26.95053
11/21/2008	13.87	13.72	13.77	13.94	14.17	2.02	13.89	28.04447
11/24/2008	14.30	14.19	14.29	14.58	14.89	1.99	14.45	28.74614
11/25/2008	14.02	13.91	14.05	14.28	14.56	2.01	14.16	28.44147

09 Jan 06	23.70	20.10	20.20	20.30	20.40	20.50	1.60	20.87	33.44547
10 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.61	21.08	33.94555
11 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.60	21.08	33.78345
12 Jan 06	24.00	20.40	20.55	20.70	20.80	20.95	1.60	21.23	34.00398
13 Jan 06	24.00	20.80	20.70	20.85	20.95	21.10	1.61	21.40	34.40937
16 Jan 06	24.05	20.85	21.00	21.10	21.20	21.30	1.61	21.58	34.65398
17 Jan 06	25.25	21.55	21.70	21.85	22.00	22.15	1.61	22.42	36.02128
18 Jan 06	26.45	22.30	22.55	22.65	22.75	22.85	1.62	23.26	37.6071
19 Jan 06	26.65	22.40	22.55	22.70	22.85	23.00	1.62	23.36	37.75106
20 Jan 06	27.90	22.80	22.90	23.00	23.10	23.20	1.62	23.82	38.63698
23 Jan 06	26.90	22.60	22.75	22.90	23.05	23.20	1.63	23.57	38.46897
24 Jan 06	26.35	21.85	22.05	22.20	22.35	22.50	1.63	22.88	37.41181
25 Jan 06	26.70	22.25	22.45	22.60	22.75	22.90	1.63	23.28	37.84966
26 Jan 06	27.45	22.70	22.85	23.00	23.15	23.30	1.62	23.74	38.49748
27 Jan 06	26.90	22.80	22.95	23.10	23.25	23.40	1.61	23.73	38.25389
30 Jan 06	27.50	24.05	24.20	24.40	24.60	24.80	1.61	24.93	40.20559
31 Jan 06	27.55	24.65	25.00	25.15	25.35	25.50	1.61	25.53	41.08016
01 Feb 06	28.05	25.50	25.90	26.25	26.70	27.10	1.60	26.58	42.57681
02 Feb 06	28.55	25.95	26.45	26.90	27.25	27.55	1.60	27.11	43.46511
03 Feb 06	28.85	26.80	27.00	27.20	27.40	27.60	1.60	27.48	44.0457
06 Feb 06	28.70	28.15	28.50	28.90	29.30	29.70	1.61	28.88	46.5195
07 Feb 06	27.65	27.50	27.80	28.05	28.30	28.55	1.61	27.98	45.17256
08 Feb 06	27.15	27.00	27.25	27.55	27.75	27.95	1.61	27.44	44.29182
09 Feb 06	27.45	27.30	27.95	28.15	28.35	28.55	1.62	27.96	45.23857
10 Feb 06	27.30	27.45	27.90	28.30	28.55	28.80	1.62	28.05	45.30473
13 Feb 06	27.20	27.10	27.60	27.80	28.00	28.20	1.61	27.65	44.51164
14 Feb 06	27.35	27.40	27.60	27.80	28.00	28.20	1.61	27.73	44.63193
15 Feb 06	27.60	27.55	27.65	27.80	27.95	28.10	1.61	27.78	44.70835
16 Feb 06	27.95	27.85	28.45	29.00	29.70	30.30	1.61	28.88	46.45744
17 Feb 06	27.70	27.75	28.40	28.90	29.40	29.90	1.61	28.68	46.29899
20 Feb 06	28.10	27.55	28.05	28.55	29.05	29.55	1.61	28.48	45.8541
21 Feb 06	28.30	27.15	27.70	28.20	29.00	29.60	1.61	28.33	45.67823
22 Feb 06	28.20	26.65	27.30	27.85	28.60	29.20	1.62	27.97	45.22865
23 Feb 06	27.65	24.40	25.00	25.60	25.70	25.00	1.61	25.56	41.24082
24 Feb 06	27.65	24.50	25.10	25.70	26.30	26.90	1.61	26.03	41.77746
27 Feb 06	27.20	24.20	24.75	25.35	26.30	26.90	1.61	25.78	41.42353
28 Feb 06	27.40	24.30	24.85	25.45	26.05	26.65	1.60	25.78	41.37455
01 Mar 06	27.85	24.10	24.65	25.20	25.75	26.30	1.60	25.64	41.03069
02 Mar 06	28.15	24.00	24.50	25.00	25.50	26.00	1.61	25.53	41.01498
03 Mar 06	28.05	24.20	24.70	25.20	25.70	26.20	1.62	25.68	41.47192
06 Mar 06	28.05	24.10	24.70	25.25	25.75	26.25	1.62	25.68	41.6705
07 Mar 06	27.60	23.55	24.00	24.50	25.00	25.50	1.62	25.03	40.51006
08 Mar 06	27.75	23.95	24.45	24.95	25.45	25.95	1.63	25.42	41.32151
09 Mar 06	27.70	23.70	24.20	24.70	25.20	25.70	1.62	25.20	40.89379
10 Mar 06	27.90	23.75	24.20	24.70	25.20	25.70	1.63	25.24	41.08227
13 Mar 06	28.45	24.15	24.80	25.15	25.55	25.95	1.63	25.68	41.81631
14 Mar 06	28.25	24.05	24.60	25.10	25.60	26.10	1.63	25.62	41.77793
15 Mar 06	28.05	24.15	24.70	25.20	25.70	26.20	1.63	25.67	41.89444
16 Mar 06	27.70	23.90	24.50	25.00	25.50	26.00	1.65	25.43	42.01271
17 Mar 06	27.95	24.00	24.60	25.00	25.50	26.00	1.67	25.51	42.67832
20 Mar 06	28.15	24.05	24.70	25.10	25.60	26.10	1.69	25.62	43.19924
21 Mar 06	28.10	24.05	24.65	25.25	25.80	26.40	1.69	25.71	43.31929
22 Mar 06	28.15	24.25	24.90	25.50	26.35	26.95	1.68	26.02	43.69683
23 Mar 06	28.20	24.20	24.85	25.45	26.30	26.90	1.67	25.98	43.50993
24 Mar 06	27.95	24.10	24.90	25.60	26.30	27.00	1.70	25.98	44.09624
27 Mar 06	27.80	24.15	24.80	25.40	25.90	26.40	1.70	25.74	43.83071
28 Mar 06	27.95	24.25	24.90	25.55	26.20	26.85	1.70	25.95	44.19253
29 Mar 06	28.20	25.50	26.15	26.80	27.45	28.10	1.70	27.03	45.96684
30 Mar 06	28.35	26.75	27.45	28.10	28.80	29.45	1.70	28.15	47.83023
31 Mar 06	28.40	26.80	27.55	28.10	28.60	29.10	1.69	28.09	47.57884
03 Apr 06	28.35	27.00	27.50	28.10	28.70	29.30	1.70	28.16	47.78494
04 Apr 06	28.85	27.00	27.70	28.40	29.10	29.80	1.70	28.48	48.43404
05 Apr 06	29.80	27.35	27.95	28.60	29.30	29.95	1.69	28.83	48.69367
06 Apr 06	30.35	27.75	28.35	28.95	29.50	30.10	1.67	29.17	48.7768
07 Apr 06	29.85	27.90	28.50	29.10	29.70	30.30	1.67	29.23	48.68947

11/26/2008	13.91	13.83	13.98	14.15	14.50	1.98	14.07	27.87666
11/27/2008	14.23	14.17	14.33	14.56	14.88	1.95	14.43	28.18368
11/28/2008	13.91	13.84	14.00	14.21	14.52	1.94	14.10	27.33538
12/1/2008	14.20	14.20	14.32	14.54	14.85	1.95	14.42	28.17951
12/2/2008	14.10	14.08	14.20	14.41	14.70	1.99	14.30	28.40645
12/3/2008	14.05	14.00	14.12	14.33	14.62	1.97	14.22	28.02061
12/4/2008	13.69	13.72	13.79	13.94	14.15	1.98	13.86	27.48632
12/5/2008	12.82	12.85	12.90	13.04	13.24	1.99	12.97	25.78635
12/8/2008	13.17	13.24	13.28	13.40	13.59	1.95	13.34	26.04779
12/9/2008	12.98	13.00	13.05	13.16	13.34	1.96	13.11	25.74274
12/10/2008	13.03	13.05	13.11	13.22	13.40	1.98	13.16	26.06246
12/11/2008	13.21	13.27	13.32	13.41	13.59	1.97	13.36	26.37058
12/12/2008	13.28	13.42	13.42	13.53	13.74	2.03	13.48	27.34092
12/15/2008	13.52	13.59	13.66	13.76	13.94	2.05	13.69	28.12438
12/16/2008		13.64	13.65	13.82	14.00	2.04	13.78	28.08552
12/17/2008		13.75	13.80	13.87	14.03	2.04	13.86	28.33737
12/18/2008		13.41	13.40	13.51	13.67	2.04	13.50	27.59635
12/19/2008		13.33	13.36	13.47	13.62	2.03	13.45	27.31493
12/22/2008		13.35	13.39	13.50	13.63	2.03	13.47	27.31278
12/23/2008		13.27	13.31	13.44	13.56	2.05	13.40	27.46137
12/24/2008		13.17	13.20	13.31	13.46	2.05	13.29	27.24465
12/29/2008		13.24	13.28	13.37	13.54	2.04	13.36	27.20089
12/30/2008		13.49	13.52	13.61	13.79	2.04	13.60	27.7831
12/31/2008		13.69	13.71	13.77	13.93	1.97	13.78	27.19853
1/2/2009		13.32	13.33	13.42	13.59	1.96	13.42	26.29443
1/5/2009		13.31	13.37	13.48	13.67	1.90	13.46	25.51877
1/6/2009		13.50	13.55	13.66	13.84	1.87	13.64	25.45224
1/7/2009		13.38	13.41	13.52	13.72	1.91	13.51	25.83554
1/8/2009		12.79	12.80	12.90	13.09	1.93	12.90	24.92895
1/9/2009		12.45	12.46	12.56	12.75	1.91	12.56	23.94998
1/12/2009		12.28	12.33	12.43	12.58	1.95	12.41	24.20214
1/13/2009		12.15	12.22	12.31	12.47	1.99	12.29	24.49901
1/14/2009		11.78	11.80	11.89	12.02	1.99	11.87	23.67891
1/15/2009		11.80	11.79	11.91	12.04	1.98	11.89	23.55541
1/16/2009		11.00	11.02	11.12	11.24	1.98	11.10	22.0153
1/19/2009		10.00	10.01	10.12	10.25	1.95	10.10	19.72658
1/20/2009		9.96	9.97	10.05	10.17	1.98	10.04	19.85598
1/21/2009		10.03	10.06	10.16	10.27	1.97	10.13	19.95108
1/22/2009		10.15	10.16	10.25	10.31	1.97	10.22	20.16323
1/23/2009		10.05	10.06	10.12	10.21	1.98	10.11	19.98258
1/26/2009		10.49	10.51	10.57	10.66	1.99	10.56	21.02093
1/27/2009		10.32	10.33	10.40	10.50	1.99	10.39	20.67665
1/28/2009		10.23	10.24	10.30	10.41	1.97	10.30	20.29406
1/29/2009		10.35	10.39	10.45	10.56	1.98	10.44	20.68559
1/30/2009		10.45	10.46	10.52	10.63	2.01	10.52	21.15209
2/2/2009		10.06	10.11	10.19	10.29	2.03	10.16	20.65389
2/3/2009		9.71	9.76	9.86	9.99	2.00	9.83	19.62384
2/4/2009		9.56	9.62	9.74	9.85	1.99	9.69	19.27417
2/5/2009		9.45	9.50	9.60	9.72	1.96	9.57	18.77218
2/6/2009		9.26	9.32	9.42	9.54	1.92	9.39	17.98804
2/9/2009		9.20	9.27	9.37	9.52	1.92	9.34	17.88707
2/10/2009		8.57	8.63	8.72	8.87	1.97	8.70	17.14974
2/11/2009		7.66	7.73	7.83	8.00	1.97	7.81	15.37947
2/12/2009		7.39	7.47	7.58	7.74	1.98	7.55	14.90384
2/13/2009		7.89	7.97	8.09	8.30	1.96	8.06	15.7673
2/16/2009		7.72	7.79	7.92	8.20	1.97	7.91	15.54997
2/17/2009		7.94	8.02	8.17	8.43	1.97	8.14	16.07298
2/18/2009		8.82	8.87	8.97	9.25	1.97	8.98	17.66495
2/19/2009		9.82	9.87	10.00	10.20	1.96	9.97	19.55915
2/20/2009		8.84	8.90	9.02	9.23	1.98	9.00	17.84921
2/23/2009		8.51	8.61	8.75	8.99	1.98	8.72	17.21885
2/24/2009		8.18	8.26	8.43	8.70	1.98	8.39	16.58321
2/25/2009		8.65	8.74	8.90	9.16	1.97	8.86	17.4752
2/26/2009		9.39	9.48	9.64	9.92	1.956589	9.6075	18.79793
2/27/2009		8.81	8.91	9.05	9.32	1.971545	9.0225	17.78827

10 Apr 06	30.00	28.35	28.65	29.25	29.75	30.35	1.66	29.39	48.78921
11 Apr 06	30.45	29.15	29.90	30.50	31.15	31.75	1.66	30.48	50.46738
12 Apr 06	30.35	29.80	30.45	31.05	31.70	32.30	1.65	30.94	51.10312
13 Apr 06	30.15	30.00	30.65	31.30	31.95	32.50	1.66	31.11	51.73968
18 Apr 06	30.30	30.15	30.80	31.45	32.10	32.75	1.66	31.26	51.87758
19 Apr 06	31.50	32.20	32.80	33.45	34.15	34.85	1.66	33.16	54.93529
20 Apr 06	31.50	32.25	32.90	33.55	34.20	34.85	1.67	33.21	55.43442
21 Apr 06	30.95	30.95	31.45	32.10	32.75	33.40	1.66	31.93	52.89724
24 Apr 06	30.75	31.00	31.70	32.40	33.10	33.80	1.67	32.13	53.49947
25 Apr 06	30.95	30.95	31.60	32.20	32.90	33.50	1.67	32.02	53.38565
26 Apr 06	28.30	29.55	30.20	30.85	31.50	32.15	1.65	30.43	50.30848
27 Apr 06	20.75	22.15	22.80	23.45	24.10	24.75	1.66	23.00	38.09062
28 Apr 06	17.30	21.45	22.15	22.80	23.45	24.10	1.66	21.88	36.3557
01 May 06	14.25	18.80	19.30	19.80	20.30	20.80	1.66	18.88	31.2855
02 May 06	13.95	18.50	19.00	19.50	20.00	20.50	1.66	18.58	30.75081
03 May 06	11.95	18.25	18.90	19.45	19.95	20.50	1.64	18.17	29.77485
04 May 06	12.85	20.00	20.55	21.05	21.55	22.05	1.65	19.68	32.37752
05 May 06	14.85	22.15	22.70	23.25	23.80	24.35	1.65	21.85	36.02406
08 May 06	13.20	20.25	20.80	21.25	21.70	22.20	1.65	19.90	32.90031
09 May 06	12.65	19.90	20.50	21.10	21.75	22.35	1.65	19.71	32.47491
10 May 06	12.75	18.65	19.05	19.70	20.30	20.90	1.65	18.56	30.61358
11 May 06	13.65	19.20	19.80	20.45	21.10	21.70	1.65	19.32	31.91975
12 May 06	13.40	19.25	19.85	20.50	21.15	21.85	1.67	19.33	32.29075
15 May 06	9.80	17.80	18.30	18.75	19.25	19.75	1.68	17.28	29.04409
16 May 06	15.75	21.45	22.20	22.70	23.20	23.70	1.67	21.50	35.99244
17 May 06	17.35	21.60	22.30	22.90	23.50	24.10	1.68	21.96	36.86625
18 May 06	16.25	21.90	22.60	23.30	24.00	24.70	1.68	22.13	37.13773
19 May 06	16.25	21.90	22.50	23.15	23.75	24.35	1.69	21.98	37.06717
22 May 06	16.95	21.90	22.55	23.25	23.90	24.55	1.71	22.18	37.90156
23 May 06	18.95	23.80	24.45	25.15	25.80	26.55	1.70	24.12	40.98196
24 May 06	20.45	24.20	24.65	25.25	25.85	26.45	1.70	24.48	41.50861
25 May 06	19.75	23.60	24.20	24.80	25.45	26.05	1.68	23.98	40.30701
26 May 06	19.85	24.00	24.65	25.30	25.95	26.60	1.68	24.39	40.93566
30 May 06	19.55	24.00	24.60	25.25	25.85	26.45	1.69	24.28	40.98305
31 May 06	18.50	23.20	23.95	24.55	25.20	25.85	1.70	23.54	40.08329
01 Jun 06	17.40	22.25	22.90	23.55	24.20	24.85	1.71	22.53	38.54489
02 Jun 06	17.00	21.30	21.95	22.60	23.25	23.90	1.72	21.67	37.22849
05 Jun 06	17.05	21.25	21.85	22.45	23.05	23.65	1.72	21.55	37.15893
06 Jun 06	16.65	20.90	21.55	22.15	22.75	23.35	1.73	21.23	36.77945
07 Jun 06	16.30	20.90	21.45	22.00	22.55	23.10	1.73	21.05	36.37297
08 Jun 06	15.60	20.05	20.70	21.30	21.90	22.50	1.71	20.34	34.71512
09 Jun 06	14.60	19.50	20.10	20.70	21.30	21.90	1.69	19.68	33.23258
12 Jun 06	14.60	19.00	19.70	20.40	21.10	21.80	1.69	19.43	32.79079
13 Jun 06	15.60	20.10	20.80	21.50	22.20	22.90	1.70	20.52	34.88036
14 Jun 06	15.50	19.85	20.60	21.30	22.00	22.70	1.71	20.33	34.76313
15 Jun 06	15.50	19.40	19.80	20.50	21.20	21.90	1.70	19.72	33.51796
16 Jun 06	15.50	19.50	20.05	20.70	21.35	22.00	1.71	19.85	33.9418
19 Jun 06	15.65	19.35	19.95	20.55	21.15	21.75	1.71	19.73	33.68528
20 Jun 06	15.90	20.00	20.70	21.50	22.20	22.90	1.71	20.53	35.01275
21 Jun 06	16.60	20.60	21.20	21.90	22.60	23.30	1.71	21.03	36.02128
22 Jun 06	16.05	19.90	20.65	21.35	22.10	22.90	1.71	20.49	35.1025
23 Jun 06	16.15	20.10	20.80	21.50	22.20	22.90	1.71	20.61	35.22994
26 Jun 06	16.05	19.80	20.55	21.30	22.10	22.90	1.72	20.45	35.15096
27 Jun 06	15.60	19.45	20.10	20.70	21.30	21.95	1.72	19.85	34.07498
28 Jun 06	15.75	19.70	20.35	21.00	21.65	22.30	1.72	20.13	34.6329
29 Jun 06	16.20	19.85	20.45	21.10	21.75	22.40	1.71	20.29	34.75763
30 Jun 06	16.55	19.65	20.30	20.95	21.60	22.25	1.72	20.22	34.79038
03 Jul 06	16.55	19.45	20.10	20.75	21.40	22.05	1.72	20.05	34.57068
04 Jul 06	16.85	19.45	20.15	20.80	21.45	22.10	1.72	20.13	34.58227
05 Jul 06	16.85	19.00	19.60	20.20	20.80	21.40	1.72	19.64	33.68554
06 Jul 06	16.65	18.75	19.45	20.05	20.70	21.35	1.71	19.49	33.3805
07 Jul 06	17.05	19.25	19.90	20.50	21.15	21.75	1.70	19.93	33.95063
10 Jul 06	16.80	19.25	19.95	20.60	21.30	21.95	1.71	19.98	34.07094
11 Jul 06	16.95	19.65	20.25	20.85	21.45	22.05	1.70	20.20	34.25637
12 Jul 06	17.10	19.90	20.55	21.20	21.85	22.50	1.69	20.52	34.64963

3/2/2009	9.17	9.27	9.41	9.68	9.1	1.987994	9.326	18.54003
3/3/2009	9.9	10	10.1	10.4	9.87	1.9616	10.054	19.72193
3/4/2009	10.51	10.59	10.75	11.05	10.71	1.945813	10.722	20.86301
3/5/2009	10.29	10.38	10.55	10.84	10.46	1.965088	10.504	20.64129
3/6/2009	9.94	10.04	10.22	10.51	10.11	1.979452	10.164	20.11915
3/9/2009	10.57	10.67	10.86	11.16	10.7	1.993619	10.792	21.51513
3/10/2009	10.97	11.09	11.28	11.58	11.08	1.970043	11.2	22.06448
3/11/2009	10.63	10.75	10.94	11.24	10.73	1.973819	10.858	21.43173
3/12/2009	10.82	10.94	11.13	11.43	10.92	1.972285	11.048	21.7898
3/13/2009	11.16	11.32	11.52	11.83	11.24	1.962486	11.414	22.39981
3/16/2009	11.42	11.61	11.81	12.11	11.44	1.962607	11.678	22.91933
3/17/2009	11.72	11.9	12.1	12.4	11.72	1.96704	11.968	23.54153
3/18/2009	11.23	11.41	11.63	11.94	11.2	1.979552	11.482	22.72921

13 Jul 06	17.05	19.85	20.55	21.20	21.90	22.55	1.68	20.52	34.51396
14 Jul 06	17.15	20.05	20.70	21.30	21.90	22.50	1.68	20.60	34.58676
17 Jul 06	17.50	20.00	20.55	21.20	21.85	22.50	1.67	20.60	34.49728
18 Jul 06	18.05	20.25	20.85	21.45	22.05	22.65	1.68	20.88	34.99595
19 Jul 06	17.70	20.10	20.70	21.30	21.90	22.50	1.68	20.70	34.76592
20 Jul 06	17.20	19.90	20.45	21.10	21.75	22.40	1.68	20.47	34.4031
21 Jul 06	17.55	19.85	20.50	21.10	21.75	22.35	1.69	20.52	34.61732
24 Jul 06	17.40	19.75	20.40	21.00	21.60	22.20	1.67	20.39	34.1028
25 Jul 06	17.30	19.50	20.10	20.70	21.30	21.90	1.67	20.13	33.63002
26 Jul 06	17.00	19.15	19.90	20.40	21.00	21.60	1.67	19.84	33.08945
27 Jul 06	17.15	18.95	19.55	20.15	20.75	21.35	1.67	19.65	32.72284
28 Jul 06	17.35	18.85	19.45	20.05	20.65	21.25	1.66	19.60	32.5693
31 Jul 06	16.90	18.25	18.85	19.45	20.05	20.65	1.67	19.03	31.69252
01 Aug 06	16.85	18.65	19.25	19.85	20.45	21.05	1.67	19.35	32.40864
02 Aug 06	17.05	18.70	19.30	19.90	20.50	21.10	1.67	19.43	32.5156
03 Aug 06	17.15	18.50	19.05	19.65	20.25	20.80	1.68	19.23	32.3478
04 Aug 06	16.60	17.75	18.30	18.80	19.35	19.85	1.68	18.44	31.01098
07 Aug 06	15.90	17.00	17.55	18.15	18.70	19.30	1.68	17.77	29.87737
08 Aug 06	16.45	17.70	18.25	18.85	19.40	20.00	1.69	18.44	31.10927
09 Aug 06	16.55	17.85	18.45	19.05	19.65	20.25	1.68	18.63	31.27257
10 Aug 06	16.50	17.95	18.55	19.10	19.70	20.25	1.67	18.68	31.14331
11 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.66	18.55	30.81162
14 Aug 06	16.50	17.75	18.30	18.85	19.40	19.95	1.68	18.46	30.92382
15 Aug 06	16.25	17.65	18.20	18.75	19.30	19.85	1.67	18.33	30.63376
16 Aug 06	16.25	17.55	18.15	18.75	19.35	19.95	1.67	18.33	30.64298
17 Aug 06	16.40	17.70	18.35	18.95	19.60	20.20	1.69	18.53	31.23175
18 Aug 06	16.45	17.65	18.20	18.75	19.30	19.85	1.69	18.37	31.04436
21 Aug 06	16.55	17.75	18.40	19.05	19.70	20.35	1.69	18.63	31.46311
22 Aug 06	17.35	18.10	18.70	19.35	19.95	20.55	1.68	19.00	31.91716
23 Aug 06	17.60	18.15	18.80	19.40	20.00	20.60	1.68	19.09	32.01667
24 Aug 06	17.40	17.40	18.90	19.50	20.10	20.70	1.68	19.00	31.84233
25 Aug 06	16.90	17.80	18.50	19.10	19.70	20.30	1.69	18.72	31.55453
28 Aug 06	17.00	18.05	18.65	19.25	19.85	20.45	1.68	18.88	31.78045
29 Aug 06	16.90	17.95	18.55	19.15	19.75	20.35	1.68	18.78	31.52045
30 Aug 06	16.60	17.80	18.45	19.10	19.70	20.35	1.68	18.67	31.35384
31 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.68	18.55	31.13614
01 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.17209
04 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.0979
05 Sep 06	16.90	18.15	18.75	19.35	19.95	20.55	1.66	18.94	31.44657
06 Sep 06	17.10	18.20	18.80	19.40	20.00	20.60	1.67	19.02	31.78743
07 Sep 06	17.15	18.25	18.80	19.35	19.90	20.45	1.68	18.98	31.85529
08 Sep 06	17.05	18.20	18.70	19.25	19.80	20.35	1.68	18.89	31.72574
11 Sep 06	16.95	18.20	18.75	19.30	19.85	20.45	1.69	18.92	32.00566
12 Sep 06	16.80	17.90	18.50	19.05	19.65	20.20	1.69	18.68	31.58888
13 Sep 06	16.90	18.00	18.60	19.15	19.75	20.30	1.69	18.78	31.65998
14 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.69	18.68	31.47244
15 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.68	18.68	31.42123
18 Sep 06	16.75	17.85	18.40	18.95	19.45	20.00	1.68	18.57	31.21917
19 Sep 06	16.75	17.85	18.45	19.05	19.65	20.30	1.68	18.68	31.45145
20 Sep 06	16.25	17.50	18.05	18.65	19.25	19.80	1.68	18.25	30.74952
21 Sep 06	14.70	16.50	17.10	17.70	18.30	18.90	1.69	17.20	29.04786
22 Sep 06	14.00	16.10	16.70	17.30	17.85	18.45	1.70	16.73	28.50572
25 Sep 06	13.85	16.15	16.70	17.25	17.85	18.40	1.69	16.70	28.26652
26 Sep 06	13.25	16.00	16.55	17.10	17.65	18.20	1.69	16.46	27.80008
27 Sep 06	12.35	15.20	15.75	16.30	16.85	17.40	1.69	15.64	26.45925
28 Sep 06	12.45	15.45	16.00	16.55	17.10	17.65	1.70	15.87	26.91497
29 Sep 06	12.90	15.70	16.25	16.80	17.35	17.90	1.70	16.15	27.46697
02 Oct 06	13.30	16.15	16.70	17.25	17.80	18.35	1.70	16.59	28.24273
03 Oct 06	12.50	15.40	15.95	16.50	17.00	17.55	1.71	15.82	27.10182
04 Oct 06	12.30	15.60	16.10	16.65	17.15	17.70	1.70	15.92	27.11794
05 Oct 06	12.30	15.90	16.45	17.00	17.55	18.10	1.70	16.22	27.56764
06 Oct 06	12.45	16.40	16.95	17.50	18.05	18.60	1.70	16.66	28.24003
09 Oct 06	12.40	16.35	16.90	17.45	18.00	18.55	1.69	16.61	28.1128
10 Oct 06	12.65	16.40	16.95	17.50	18.05	18.60	1.68	16.69	28.09764
11 Oct 06	12.75	16.00	16.55	17.10	17.65	18.20	1.69	16.38	27.60469

12 Oct 06	12.75	15.80	16.35	16.90	17.45	18.00	1.67	16.21	27.08625
13 Oct 06	12.65	15.10	15.65	16.20	16.75	17.30	1.67	15.61	25.99701
16 Oct 06	12.75	15.10	15.65	16.20	16.75	17.55	1.66	15.67	26.02425
17 Oct 06	12.80	15.05	15.65	16.25	16.85	17.45	1.66	15.68	26.06867
18 Oct 06	13.00	15.85	15.85	16.40	17.00	17.55	1.66	15.94	26.46989
19 Oct 06	13.15	15.95	15.95	16.50	17.05	17.60	1.66	16.03	26.64138
20 Oct 06	13.05	15.65	16.15	16.65	17.25	17.85	1.66	16.10	26.76345
23 Oct 06	13.05	16.00	16.55	17.10	17.65	18.20	1.66	16.43	27.22751
24 Oct 06	12.75	16.30	16.85	17.40	17.95	18.50	1.66	16.63	27.5428
25 Oct 06	12.80	16.30	16.90	17.45	17.95	18.50	1.66	16.65	27.57503
26 Oct 06	12.35	16.25	16.25	16.75	17.25	17.75	1.66	16.10	26.72362
27 Oct 06	12.40	15.90	16.45	16.95	17.45	17.95	1.66	16.18	26.81082
30 Oct 06	12.15	15.75	16.35	16.85	17.40	17.90	1.65	16.07	26.55414
31 Oct 06	11.05	15.20	15.80	16.40	16.95	17.55	1.65	15.49	25.53236
01 Nov 06	11.25	15.45	16.00	16.55	17.10	17.65	1.65	15.67	25.78231
02 Nov 06	11.25	15.75	16.30	16.85	17.40	17.95	1.65	15.92	26.24293
03 Nov 06	10.95	15.65	16.25	16.80	17.35	17.90	1.65	15.82	26.11289
06 Nov 06	10.80	15.85	16.40	16.95	17.50	18.05	1.65	15.93	26.2615
07 Nov 06	10.55	16.00	16.55	17.10	17.65	18.20	1.65	16.01	26.42903
08 Nov 06	9.65	15.65	16.20	16.75	17.30	17.85	1.66	15.57	25.78851
09 Nov 06	9.70	15.80	16.35	16.85	17.40	17.90	1.67	15.67	26.13898
10 Nov 06	9.70	16.10	16.65	17.20	17.70	18.25	1.67	15.93	26.67852
13 Nov 06	8.95	15.75	16.25	16.80	17.30	17.85	1.68	15.48	25.99499
14 Nov 06	8.70	15.85	16.35	16.90	17.40	17.95	1.68	15.53	26.01054
15 Nov 06	9.40	15.80	16.00	16.55	17.10	17.65	1.68	15.42	25.82704
16 Nov 06	9.25	16.00	16.50	17.00	17.55	18.05	1.67	15.73	26.21302
17 Nov 06	8.90	16.00	16.55	17.10	17.65	18.20	1.67	15.73	26.23008
20 Nov 06	8.75	16.20	16.75	17.25	17.80	18.30	1.66	15.84	26.33001
21 Nov 06	9.00	17.10	17.65	18.20	18.75	19.30	1.66	16.67	27.73616
22 Nov 06	9.10	17.45	18.00	18.55	19.10	19.65	1.67	16.98	28.29265
23 Nov 06	8.90	17.30	17.85	18.40	18.95	19.50	1.67	16.82	28.0919
24 Nov 06	9.00	17.40	17.95	18.50	19.05	19.60	1.68	16.92	28.43875
27 Nov 06	9.20	18.40	18.95	19.50	20.05	20.60	1.69	17.78	29.99068
28 Nov 06	9.20	19.00	19.55	20.05	20.60	21.10	1.68	18.25	30.68431
29 Nov 06	8.90	17.85	18.40	18.95	19.50	20.05	1.68	17.28	28.99142
30 Nov 06	8.40	18.45	19.00	19.55	20.10	20.65	1.68	17.69	29.71115
01 Dec 06	8.20	18.25	18.80	19.35	19.90	20.45	1.69	17.49	29.50533
04 Dec 06	7.65	19.65	20.20	20.75	21.30	21.85	1.69	18.57	31.32966
05 Dec 06	7.25	19.30	19.85	20.35	20.90	21.45	1.69	18.18	30.80268
06 Dec 06	6.85	18.75	19.30	19.85	20.40	20.95	1.69	17.68	29.8835
07 Dec 06	7.10	18.75	19.35	19.90	20.45	21.00	1.68	17.76	29.87239
08 Dec 06	7.55	18.25	18.80	19.35	19.90	20.45	1.68	17.38	29.22228
11 Dec 06	7.30	18.70	19.25	19.80	20.35	20.90	1.69	17.72	29.88817
12 Dec 06	7.10	18.25	18.75	19.30	19.85	20.40	1.69	17.28	29.16791
13 Dec 06	6.85	17.45	18.00	18.60	19.15	19.70	1.68	16.63	27.94211
14 Dec 06	6.60	17.00	17.60	18.15	18.65	19.20	1.68	16.20	27.20997
15 Dec 06	6.60	17.00	17.55	18.15	18.65	19.20	1.67	16.19	27.08416
18 Dec 06	6.60	17.10	17.65	18.25	18.80	19.35	1.68	16.29	27.32771
19 Dec 06	6.70	17.30	17.80	18.35	18.90	19.45	1.68	16.42	27.62967
20 Dec 06	6.65	17.10	17.65	18.20	18.75	19.30	1.68	16.28	27.27581
21 Dec 06	6.60	17.10	17.60	18.15	18.70	19.25	1.68	16.23	27.255
22 Dec 06	6.80	17.40	17.95	18.45	19.00	19.55	1.68	16.53	27.69612
26 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25468
27 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25637
28 Dec 06	6.70	18.25	18.75	19.30	19.85	20.40	1.67	17.21	28.69645
29 Dec 06	6.70	18.20	18.70	19.25	19.80	20.35	1.67	17.17	28.7106
02 Jan 07	5.60	17.50	18.05	18.65	19.20	19.80	1.67	16.47	27.47525
03 Jan 07	4.85	16.55	17.10	17.55	18.10	18.60	1.66	15.46	25.70415
04 Jan 07	4.85	16.55	17.10	17.70	18.25	18.85	1.67	15.55	25.90932
05 Jan 07	4.80	15.80	16.40	16.95	17.50	18.05	1.67	14.92	24.90459
08 Jan 07	3.95	14.50	15.05	15.60	16.15	16.70	1.67	13.66	22.79225
09 Jan 07	3.50	14.70	15.30	15.85	16.40	16.95	1.67	13.78	22.95828
10 Jan 07	3.85	14.85	15.50	16.05	16.60	17.15	1.66	14.00	23.29748
11 Jan 07	4.00	15.25	15.80	16.35	16.90	17.45	1.65	14.29	23.57868
12 Jan 07	4.05	15.55	16.15	16.75	17.35	17.95	1.65	14.63	24.11584

15 Jan 07	4.05	16.15	16.75	17.30	17.90	18.45	1.65	15.10	24.90246
16 Jan 07	4.25	16.40	16.95	17.50	18.05	18.60	1.65	15.29	25.23357
17 Jan 07	4.10	15.65	16.20	16.75	17.30	17.85	1.65	14.64	24.09465
18 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.22983
19 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.2197
22 Jan 07	3.90	15.65	16.20	16.75	17.30	17.85	1.64	14.61	23.99319
23 Jan 07	3.80	15.65	16.20	16.75	17.30	17.85	1.64	14.59	23.97928
24 Jan 07	3.45	15.25	15.80	16.35	16.90	17.45	1.66	14.20	23.55028
25 Jan 07	3.30	15.35	15.90	16.45	17.05	17.60	1.67	14.28	23.84923
26 Jan 07	3.05	15.55	16.10	16.65	17.25	17.85	1.67	14.41	24.05445
29 Jan 07	2.50	15.50	16.05	16.65	17.25	17.80	1.68	14.29	23.99447
30 Jan 07	2.45	15.35	15.90	16.50	17.05	17.65	1.68	14.15	23.73552
31 Jan 07	2.35	15.30	15.85	16.45	17.00	17.55	1.68	14.08	23.64266
01 Feb 07	2.25	15.35	15.95	16.50	17.05	17.65	1.68	14.13	23.75307
02 Feb 07	2.00	14.75	15.30	15.85	16.40	16.95	1.67	13.54	22.65233
05 Feb 07	1.80	14.95	15.50	16.05	16.60	17.15	1.66	13.68	22.76397
06 Feb 07	1.50	14.85	15.40	15.95	16.50	17.05	1.67	13.54	22.61091
07 Feb 07	1.35	14.45	15.00	15.55	16.10	16.65	1.67	13.18	22.04637
08 Feb 07	1.50	13.80	14.35	14.90	15.45	16.00	1.67	12.67	21.12249
09 Feb 07	1.65	14.10	14.65	15.20	15.75	16.30	1.67	12.94	21.65748
12 Feb 07	1.30	14.20	14.75	15.30	15.85	16.40	1.68	12.97	21.75431
13 Feb 07	1.25	13.70	14.25	14.80	15.35	15.90	1.67	12.54	20.98943
14 Feb 07	1.20	13.60	14.15	14.70	15.25	15.80	1.67	12.45	20.84839
15 Feb 07	1.15	13.65	14.20	14.75	15.30	15.85	1.67	12.48	20.90178
16 Feb 07	1.15	13.70	14.25	14.80	15.35	15.90	1.67	12.53	20.90707
19 Feb 07	0.80	12.75	13.30	13.85	14.40	14.95	1.67	11.68	19.51137
20 Feb 07	0.90	12.25	12.80	13.30	13.80	14.35	1.67	11.23	18.78479
21 Feb 07	0.95	12.90	13.45	14.00	14.55	15.10	1.66	11.83	19.63965
22 Feb 07	0.90	13.05	13.60	14.15	14.70	15.25	1.66	11.94	19.86368
23 Feb 07	0.95	14.05	15.05	15.60	16.15	16.70	1.66	13.08	21.75623
26 Feb 07	1.00	15.30	15.85	16.40	16.95	17.50	1.66	13.83	22.98063
27 Feb 07	1.00	15.00	15.60	16.15	16.70	17.30	1.67	13.63	22.77724
28 Feb 07	0.95	14.90	15.45	16.00	16.55	17.10	1.68	13.49	22.63226
01 Mar 07	1.00	15.25	15.75	16.30	16.80	17.35	1.68	13.74	23.06199
02 Mar 07	1.10	14.85	15.40	15.95	16.50	17.05	1.69	13.48	22.71238
05 Mar 07	1.00	13.65	14.20	14.75	15.30	15.85	1.70	12.46	21.16049
06 Mar 07	1.05	13.75	14.30	14.80	15.30	15.85	1.69	12.51	21.18086
07 Mar 07	1.15	14.25	14.80	15.35	15.90	16.45	1.69	12.98	21.95731
08 Mar 07	1.15	14.75	15.30	15.80	16.40	16.95	1.69	13.39	22.60398
09 Mar 07	1.35	14.80	15.35	15.85	16.40	16.95	1.68	13.45	22.60002
12 Mar 07	1.35	15.10	15.65	16.20	16.75	17.30	1.68	13.73	23.04817
13 Mar 07	1.25	15.00	15.60	16.20	16.80	17.40	1.68	13.71	23.07543
14 Mar 07	1.25	15.00	15.60	16.15	16.75	17.35	1.68	13.68	23.05327
15 Mar 07	1.25	15.50	16.05	16.60	17.25	17.80	1.68	14.08	23.58853
16 Mar 07	1.20	15.45	16.00	16.55	17.10	17.65	1.67	13.99	23.38837
19 Mar 07	1.05	15.60	16.15	16.70	17.25	17.80	1.66	14.09	23.45152
20 Mar 07	1.05	16.50	17.05	17.60	18.15	18.70	1.66	14.84	24.59009
21 Mar 07	1.05	16.45	17.00	17.55	18.10	18.65	1.66	14.80	24.5198
22 Mar 07	1.00	16.45	17.00	17.50	18.05	18.60	1.65	14.77	24.40108
23 Mar 07	1.00	16.35	16.90	17.40	17.95	18.50	1.65	14.68	24.21753
26 Mar 07	1.00	17.25	17.80	18.35	18.90	19.45	1.65	15.46	25.43926
27 Mar 07	1.04	16.95	17.50	18.05	18.60	19.15	1.65	15.22	25.1223
28 Mar 07	1.20	17.34	17.86	18.39	18.91	19.44	1.65	15.52	25.66836
29 Mar 07	1.36	17.49	18.02	18.56	19.09	19.62	1.65	15.69	25.9364
30 Mar 07	1.31	17.48	18.03	18.58	19.13	19.68	1.65	15.70	25.91346
02 Apr 07	1.03	16.83	17.37	17.92	18.45	18.98	1.64	15.10	24.70646
03 Apr 07	0.90	15.89	16.45	17.00	17.55	18.00	1.64	14.30	23.45002
04 Apr 07	0.85	16.13	16.67	17.22	17.77	18.31	1.63	14.49	23.6464
05 Apr 07	0.83	16.58	17.13	17.68	18.23	18.78	1.64	14.87	24.35228
09 Apr 07	0.83	16.04	16.59	17.14	17.69	18.24	1.63	14.42	23.57839
10 Apr 07	0.83	16.65	17.20	17.70	18.30	18.85	1.63	14.92	24.25554
11 Apr 07	0.80	17.03	17.58	18.13	18.68	19.23	1.63	15.24	24.8194
12 Apr 07	0.80	17.45	17.98	18.53	19.08	19.63	1.63	15.58	25.33526
13 Apr 07	0.76	17.83	18.35	18.88	19.40	19.93	1.62	15.86	25.75274
16 Apr 07	0.72	17.82	18.37	18.92	19.47	20.02	1.63	15.89	25.83326

17 Apr 07	0.68	17.80	18.34	18.88	19.42	19.96	1.62	15.85	25.69997
18 Apr 07	0.56	17.50	18.03	18.58	19.13	19.68	1.62	15.58	25.28852
19 Apr 07	0.51	17.14	17.69	18.24	18.79	19.34	1.63	15.29	24.90997
20 Apr 07	0.63	17.45	17.95	18.50	19.03	19.55	1.62	15.52	25.18602
23 Apr 07	0.68	18.00	18.54	19.07	19.61	20.14	1.63	16.01	26.09704
24 Apr 07	0.68	18.04	18.56	19.08	19.60	20.12	1.65	16.01	26.41472
25 Apr 07	0.64	18.22	18.74	19.26	19.78	20.30	1.64	16.16	26.42358
26 Apr 07	0.54	18.08	18.60	19.13	19.65	20.18	1.65	16.03	26.38519
27 Apr 07	0.53	18.15	18.69	19.22	19.76	20.29	1.64	16.11	26.46763
30 Apr 07	0.53	19.01	19.54	20.07	20.60	21.13	1.64	16.81	27.62148
01 May 07	0.58	19.35	19.87	20.40	20.93	21.46	1.64	17.10	28.09598
02 May 07	0.56	18.98	19.43	19.90	20.46	20.96	1.65	16.72	27.53119
03 May 07	0.54	19.10	19.40	19.85	20.30	20.75	1.64	16.66	27.38741
04 May 07	0.54	19.31	19.60	20.05	20.50	20.95	1.65	16.83	27.839
07 May 07	0.53	19.78	20.10	20.50	20.90	21.30	1.65	17.19	28.32292
08 May 07	0.47	19.84	20.00	20.43	20.88	21.33	1.63	17.16	28.04816
09 May 07	0.40	19.62	19.95	20.42	20.90	21.37	1.63	17.11	27.9444
10 May 07	0.30	19.35	19.68	20.12	20.55	20.98	1.63	16.83	27.40397
11 May 07	0.32	19.90	20.23	20.60	20.95	21.30	1.63	17.22	28.00337
14 May 07	0.33	20.39	20.74	21.17	21.59	22.02	1.63	17.71	28.81306
15 May 07	0.29	20.60	20.93	21.43	21.93	22.43	1.63	17.94	29.2458
16 May 07	0.33	20.84	21.17	21.67	22.17	22.67	1.64	18.14	29.76581
17 May 07	0.30	21.43	21.77	22.18	22.70	23.15	1.64	18.59	30.44759
18 May 07	0.28	21.75	22.10	22.60	23.11	23.61	1.64	18.91	30.99948
21 May 07	0.30	22.01	22.34	22.80	23.25	23.70	1.64	19.07	31.24529
22 May 07	0.29	21.75	22.13	22.50	22.95	23.40	1.64	18.84	30.92028
23 May 07	0.29	22.12	22.43	22.87	23.30	23.73	1.63	19.12	31.24107
24 May 07	0.29	23.25	23.57	24.07	24.57	25.07	1.64	20.14	33.03074
25 May 07	0.29	24.08	24.38	24.85	25.33	25.80	1.64	20.79	34.15802
28 May 07	0.30	24.15	24.45	24.92	25.40	25.87	1.64	20.85	34.22042
29 May 07	0.27	25.15	25.45	26.02	26.43	26.90	1.64	21.70	35.65849
30 May 07	0.27	22.97	23.30	23.80	24.30	24.80	1.63	19.91	32.49604
31 May 07	0.29	23.00	23.38	23.85	24.35	23.80	1.62	19.78	32.12908
01 Jun 07	0.29	23.88	24.22	24.67	25.12	25.57	1.62	20.63	33.30987
04 Jun 07	0.29	24.61	24.92	25.37	25.80	26.10	1.62	21.18	34.24427
05 Jun 07	0.28	23.36	23.55	23.90	24.40	24.90	1.61	20.07	32.38773
06 Jun 07	0.29	23.35	23.63	24.03	24.45	24.80	1.61	20.09	32.28532
07 Jun 07	0.27	22.77	23.04	23.45	23.80	24.10	1.60	19.57	31.23245
08 Jun 07	0.27	23.03	23.32	23.73	24.15	24.57	1.58	19.85	31.42624
11 Jun 07	0.25	22.78	23.08	23.45	23.75	24.05	1.58	19.56	30.94313
12 Jun 07	0.24	22.70	23.00	23.40	23.85	24.30	1.58	19.58	30.96525
13 Jun 07	0.22	23.65	23.95	24.40	24.85	25.30	1.58	20.40	32.31789
14 Jun 07	0.19	23.65	23.95	24.40	24.85	25.30	1.59	20.39	32.4554
15 Jun 07	0.17	22.78	23.13	23.53	23.95	24.40	1.59	19.66	31.23534
18 Jun 07	0.14	21.90	22.10	22.48	22.85	23.23	1.59	18.78	29.86042
19 Jun 07	0.14	21.19	21.40	21.80	22.25	22.70	1.59	18.25	28.94531
20 Jun 07	0.13	21.84	22.07	22.52	22.97	23.42	1.59	18.83	29.89426
21 Jun 07	0.12	21.62	21.91	22.36	22.81	23.26	1.58	18.68	29.5228
22 Jun 07	0.12	21.89	22.13	22.57	23.00	23.43	1.59	18.86	29.99642
25 Jun 07	0.11	21.18	21.48	21.88	22.31	22.73	1.59	18.28	29.08463
26 Jun 07	0.13	21.07	21.37	21.84	22.17	22.57	1.59	18.19	28.93351
27 Jun 07	0.13	21.43	21.73	22.11	22.48	22.86	1.61	18.46	29.6323
28 Jun 07	0.14	22.36	22.67	22.99	23.31	23.61	1.59	19.18	30.45575
29 Jun 07	0.13	22.29	22.61	23.01	23.41	23.81	1.60	19.21	30.66152
02 Jul 07	0.14	21.70	22.02	22.40	22.82	23.22	1.59	18.72	29.68553
03 Jul 07	0.13	21.16	21.49	21.89	22.29	22.71	1.59	18.28	29.11019
04 Jul 07	0.13	21.05	21.38	21.76	22.25	22.70	1.59	18.21	28.89982
05 Jul 07	0.14	21.48	21.80	22.13	22.55	22.98	1.59	18.51	29.39526
06 Jul 07	0.15	21.80	22.15	22.53	23.00	23.43	1.59	18.84	29.91936
09 Jul 07	0.14	21.12	21.45	21.74	22.16	22.58	1.58	18.20	28.82585
10 Jul 07	0.14	21.00	21.33	21.70	22.07	22.44	1.59	18.11	28.86603
11 Jul 07	0.14	20.67	21.00	21.40	21.75	22.04	1.59	17.83	28.44288
12 Jul 07	0.13	19.79	20.13	20.50	20.88	21.28	1.59	17.12	27.2581
13 Jul 07	0.13	19.89	20.21	20.63	21.02	21.40	1.59	17.21	27.28581
16 Jul 07	0.13	18.88	19.23	19.60	19.97	20.33	1.58	16.36	25.85294

17 Jul 07	0.14	19.25	19.58	19.93	20.28	20.63	1.58	16.64	26.27426
18 Jul 07	0.13	18.91	19.28	19.65	20.05	20.46	1.57	16.41	25.80774
19 Jul 07	0.12	19.35	19.72	20.10	20.50	20.85	1.57	16.77	26.30958
20 Jul 07	0.13	19.58	19.96	20.34	20.73	21.13	1.57	16.98	26.67855
23 Jul 07	0.12	19.25	19.62	20.00	20.34	20.72	1.56	16.68	26.05515
24 Jul 07	0.12	19.30	19.69	20.09	20.46	20.84	1.57	16.75	26.24944
25 Jul 07	0.12	19.98	20.38	20.75	21.13	21.50	1.55	17.31	26.87368
26 Jul 07	0.12	20.07	20.48	20.84	21.26	21.59	1.58	17.39	27.42546
27 Jul 07	0.12	20.30	20.68	21.00	21.42	21.79	1.60	17.55	28.08664
30 Jul 07	0.11	20.85	21.24	21.63	22.02	22.41	1.60	18.04	28.90214
31 Jul 07	0.12	21.15	21.54	21.92	22.30	22.68	1.61	18.29	29.39249
01 Aug 07	0.11	20.46	20.90	21.26	21.65	22.07	1.60	17.74	28.4428
02 Aug 07	0.09	20.70	21.11	21.48	21.88	22.30	1.60	17.93	28.62104
03 Aug 07	0.09	20.39	20.81	21.21	21.59	22.02	1.61	17.69	28.50051
06 Aug 07	0.09	19.60	20.02	20.42	20.82	21.23	1.61	17.03	27.35048
07 Aug 07	0.09	20.05	20.44	20.84	21.24	21.64	1.61	17.38	27.90389
08 Aug 07	0.10	19.91	20.32	20.74	21.14	21.55	1.60	17.29	27.6765
09 Aug 07	0.10	19.65	20.08	20.48	20.89	21.30	1.61	17.08	27.48092
10 Aug 07	0.10	19.06	19.49	19.87	20.27	20.68	1.62	16.58	26.8795
13 Aug 07	0.10	19.60	20.00	20.37	20.78	21.20	1.62	17.01	27.46914
14 Aug 07	0.11	19.40	19.86	20.29	20.69	21.15	1.62	16.92	27.43453
15 Aug 07	0.11	19.65	20.13	20.58	21.01	21.50	1.64	17.16	28.11958
16 Aug 07	0.11	19.29	19.77	20.24	20.73	21.24	1.70	16.90	28.64707
17 Aug 07	0.11	19.40	19.90	20.37	20.85	21.36	1.69	17.00	28.73782
20 Aug 07	0.11	19.20	19.77	20.24	20.74	21.25	1.67	16.89	28.21618
21 Aug 07	0.11	19.18	19.81	20.42	21.01	21.60	1.68	17.02	28.60451
22 Aug 07	0.11	18.63	19.30	19.94	20.59	21.23	1.68	16.63	27.92238
23 Aug 07	0.11	18.81	19.49	20.17	20.90	21.62	1.65	16.85	27.86721
24 Aug 07	0.11	18.63	19.30	19.99	20.71	21.44	1.65	16.70	27.60736
27 Aug 07	0.11	18.40	19.05	19.75	20.45	21.20	1.65	16.49	27.14256
28 Aug 07	0.11	19.38	20.00	20.66	21.32	21.97	1.67	17.24	28.7443
29 Aug 07	0.10	19.93	20.53	21.02	21.67	22.39	1.66	17.61	29.2995
30 Aug 07	0.11	19.40	19.99	20.59	21.16	21.75	1.67	17.17	28.7096
31 Aug 07	0.10	19.40	19.98	20.59	21.19	21.78	1.66	17.17	28.584
03 Sep 07	0.10	19.77	20.37	20.97	21.57	22.17	1.66	17.49	29.0313
04 Sep 07	0.10	20.91	21.50	22.09	22.68	23.27	1.65	18.43	30.41615
05 Sep 07	0.10	20.25	20.85	21.45	22.05	22.65	1.66	17.89	29.6761
06 Sep 07	0.10	20.53	21.13	21.73	22.33	22.93	1.65	18.13	29.91174
07 Sep 07	0.10	20.47	21.07	21.67	22.27	22.87	1.66	18.08	30.08272
10 Sep 07	0.09	20.31	20.91	21.51	22.11	22.71	1.67	17.94	29.99247
11 Sep 07	0.08	20.76	21.37	21.97	22.57	23.17	1.66	18.32	30.36612
12 Sep 07	0.09	21.10	21.70	22.30	22.90	23.50	1.65	18.60	30.67734
13 Sep 07	0.07	20.53	21.14	21.73	22.35	22.92	1.65	18.12	29.91644
14 Sep 07	0.07	20.70	21.29	21.87	22.46	23.05	1.65	18.24	30.03409
17 Sep 07	0.07	20.54	21.10	21.67	22.23	22.80	1.67	18.07	30.10479
18 Sep 07	0.06	20.80	21.30	21.80	22.35	22.90	1.64	18.20	29.87004
19 Sep 07	0.08	21.28	21.76	22.26	22.75	23.30	1.63	18.57	30.28864
20 Sep 07	0.08	21.77	22.22	22.67	23.12	23.57	1.63	18.91	30.854
21 Sep 07	0.08	21.75	22.20	22.75	23.25	23.75	1.63	18.96	30.88679
24 Sep 07	0.08	21.75	22.24	22.73	23.22	23.71	1.62	18.96	30.75356
25 Sep 07	0.08	21.39	21.86	22.34	22.83	23.32	1.62	18.64	30.18538
26 Sep 07	0.08	21.30	21.77	22.23	22.70	23.17	1.61	18.54	29.90787
27 Sep 07	0.08	21.60	22.06	22.54	23.00	23.47	1.61	18.79	30.18671
28 Sep 07	0.08	21.68	22.13	22.58	23.04	23.63	1.61	18.86	30.28556
01 Oct 07	0.07	21.60	22.10	22.58	23.06	23.60	1.59	18.84	29.98107
02 Oct 07	0.08	21.70	22.20	22.72	23.20	23.85	1.60	18.96	30.32972
03 Oct 07	0.07	21.38	21.91	22.46	22.98	23.60	1.60	18.73	29.92609
04 Oct 07	0.07	21.56	22.14	22.71	23.25	24.01	1.59	18.96	30.18307
05 Oct 07	0.11	21.52	22.11	22.70	23.30	24.07	1.57	18.97	29.86136
08 Oct 07	0.07	21.67	22.21	22.78	23.34	23.97	1.57	19.01	29.90683
09 Oct 07	0.07	21.65	22.23	22.83	23.45	24.10	1.57	19.06	29.87685
10 Oct 07	0.07	22.18	22.77	23.39	24.02	24.67	1.58	19.52	30.75463
11 Oct 07	0.07	22.36	22.92	23.53	24.16	24.80	1.58	19.64	30.95153
12 Oct 07	0.07	22.35	22.93	23.54	24.17	24.82	1.57	19.65	30.81702
15 Oct 07	0.07	22.60	23.18	23.70	24.32	24.95	1.58	19.80	31.31627

16 Oct 07	0.07	22.82	23.38	23.95	24.52	25.13	1.60	19.98	31.92515
17 Oct 07	0.07	23.00	23.52	24.10	24.68	25.46	1.60	20.14	32.12371
18 Oct 07	0.07	22.83	23.40	23.97	24.55	25.20	1.60	20.00	31.9165
19 Oct 07	0.07	22.62	23.16	23.72	24.29	24.92	1.60	19.80	31.73678
22 Oct 07	0.07	22.16	22.71	23.27	23.84	24.43	1.60	19.41	31.10248
23 Oct 07	0.07	22.34	22.89	23.45	24.01	24.61	1.59	19.56	31.06344
24 Oct 07	0.07	22.55	23.09	23.66	24.23	24.83	1.58	19.74	31.21732
25 Oct 07	0.07	22.78	23.32	23.97	24.52	25.17	1.58	19.97	31.4949
26 Oct 07	0.07	22.72	23.31	23.88	24.44	25.00	1.57	19.90	31.19099
29 Oct 07	0.07	22.88	23.48	24.02	24.60	25.20	1.57	20.04	31.39359
30 Oct 07	0.07	22.17	22.76	23.29	23.87	24.46	1.57	19.44	30.47857
31 Oct 07	0.09	22.27	22.81	23.39	23.99	24.59	1.55	19.52	30.33085
01 Nov 07	0.08	21.70	22.26	22.83	23.41	23.98	1.57	19.04	29.98741
02 Nov 07	0.08	21.50	22.05	22.66	23.20	23.76	1.57	18.88	29.7235
05 Nov 07	0.07	21.50	22.05	22.61	23.17	23.74	1.57	18.86	29.65774
06 Nov 07	0.07	21.52	22.02	22.57	23.14	23.70	1.57	18.84	29.60364
07 Nov 07	0.10	21.62	22.17	22.72	23.27	23.83	1.57	18.95	29.82651
08 Nov 07	0.11	21.65	22.18	22.73	23.28	23.84	1.59	18.97	30.09927
09 Nov 07	0.10	21.85	22.38	22.92	23.47	24.02	1.60	19.12	30.662
12 Nov 07	0.10	21.91	22.44	22.99	23.56	24.15	1.65	19.19	31.60596
13 Nov 07	0.10	22.30	22.86	23.41	23.97	24.65	1.64	19.55	32.03947
14 Nov 07	0.09	22.97	23.51	24.11	24.71	25.41	1.63	20.13	32.83444
15 Nov 07	0.09	22.60	23.14	23.73	24.35	25.07	1.65	19.83	32.63054
16 Nov 07	0.08	22.54	23.09	23.69	24.32	25.04	1.64	19.79	32.54896
19 Nov 07	0.08	22.85	23.37	23.94	24.55	25.29	1.66	20.01	33.19107
20 Nov 07	0.07	23.74	24.29	24.91	25.53	26.34	1.68	20.81	34.8696
21 Nov 07	0.07	23.72	24.23	24.83	25.45	26.16	1.70	20.74	35.28591
22 Nov 07	0.08	23.70	24.21	24.81	25.41	26.18	1.70	20.73	35.34644
23 Nov 07	0.08	23.69	24.21	24.81	25.41	26.20	1.69	20.73	35.12168
26 Nov 07	0.07	23.80	24.31	24.91	25.54	26.35	1.70	20.83	35.4071
27 Nov 07	0.07	23.53	24.02	24.62	25.24	26.03	1.70	20.59	34.93923
28 Nov 07	0.07	23.29	23.81	24.41	25.01	25.82	1.67	20.40	34.0131
29 Nov 07	0.04	22.70	23.23	23.82	24.43	25.23	1.68	19.91	33.36222
30 Nov 07	0.01	22.35	22.88	23.46	24.09	24.89	1.66	19.61	32.58973
03 Dec 07	0.03	22.98	23.49	24.07	24.71	25.53	1.66	20.14	33.50572
04 Dec 07	0.03	23.40	23.94	24.55	25.18	25.99	1.69	20.52	34.64022
05 Dec 07	0.03	22.81	23.35	23.96	24.58	25.39	1.68	20.02	33.64083
06 Dec 07	0.03	22.77	23.31	23.92	24.52	25.32	1.67	19.98	33.42526
07 Dec 07	0.03	22.30	22.85	23.46	24.02	24.82	1.67	19.58	32.67786
10 Dec 07	0.03	22.43	22.97	23.55	24.13	24.93	1.66	19.67	32.73175
11 Dec 07	0.03	22.51	23.06	23.63	24.23	25.02	1.66	19.75	32.69498
12 Dec 07	0.03	22.70	23.22	23.81	24.40	25.22	1.66	19.90	33.12573
13 Dec 07	0.03	22.80	23.35	23.92	24.53	25.32	1.67	19.99	33.34791
14 Dec 07	0.03	22.65	23.17	23.75	24.37	25.16	1.67	19.86	33.20868
17 Dec 07	0.01	22.35	22.87	23.45	24.03	24.83	1.68	19.59	32.84219
18 Dec 07		22.60	23.14	23.72	24.32	25.09	1.68	23.77	39.90794
19 Dec 07		22.45	22.99	23.58	24.21	25.03	1.67	23.65	39.59729
20 Dec 07		22.30	22.84	23.42	24.05	24.82	1.67	23.49	39.24157
21 Dec 07		21.93	22.53	23.11	23.72	24.48	1.66	23.15	38.38501
24 Dec 07		22.00	22.55	23.11	23.73	24.51	1.65	23.18	38.33998
27 Dec 07		21.87	22.38	22.97	23.65	24.43	1.67	23.06	38.4317
28 Dec 07		22.21	22.72	23.28	23.91	24.75	1.68	23.37	39.35953
31 Dec 07		22.41	22.94	23.51	24.14	24.97	1.67	23.59	39.29199
02 Jan 08		22.92	23.46	24.05	24.74	25.43	1.67	24.12	40.25339
03 Jan 08		23.54	24.06	24.65	25.31	26.12	1.67	24.74	41.39918
04 Jan 08		23.55	24.07	24.63	25.32	26.12	1.69	24.74	41.80943
07 Jan 08		23.66	24.18	24.77	25.43	26.25	1.69	24.86	41.97292
08 Jan 08		23.70	24.23	24.84	25.43	26.29	1.66	24.90	41.44697
09 Jan 08		23.42	23.95	24.55	25.18	26.00	1.67	24.62	41.03065
10 Jan 08		23.11	23.66	24.24	24.88	25.67	1.65	24.31	40.23441
11 Jan 08		23.11	23.63	24.21	24.70	25.67	1.66	24.26	40.25358
14 Jan 08		23.41	23.93	24.50	25.12	25.99	1.66	24.59	40.75092
15 Jan 08		23.17	23.69	24.28	24.91	25.74	1.67	24.36	40.62308
16 Jan 08		22.75	23.24	23.84	24.49	25.33	1.67	23.93	39.94965
17 Jan 08		22.23	22.70	23.26	23.87	24.80	1.66	23.38	38.89919

18 Jan 08	22.28	22.76	23.31	23.94	24.86	1.66	23.43	39.00453
21 Jan 08	20.84	21.32	21.85	22.45	23.40	1.68	21.97	36.86012
22 Jan 08	20.31	20.78	21.32	21.98	22.88	1.68	21.45	36.05817
23 Jan 08	20.03	20.50	21.04	21.68	22.57	1.68	21.16	35.57712
24 Jan 08	19.76	20.21	20.75	21.39	22.33	1.68	20.89	35.04732
25 Jan 08	21.04	21.48	22.01	22.65	23.60	1.67	22.16	36.98396
28 Jan 08	20.65	21.10	21.63	22.28	23.21	1.67	21.77	36.30423
29 Jan 08	20.70	21.17	21.69	22.33	23.25	1.66	21.83	36.31657
30 Jan 08	20.08	20.55	21.08	21.72	22.65	1.66	21.22	35.29403
31 Jan 08	19.10	19.57	20.10	20.75	21.66	1.66	20.24	33.49178
01 Feb 08	19.22	19.67	20.20	20.84	21.76	1.64	20.34	33.39355
04 Feb 08	19.19	19.67	20.18	20.82	21.74	1.63	20.32	33.15496
05 Feb 08	18.84	19.33	19.84	20.47	21.39	1.63	19.97	32.60759
06 Feb 08	19.97	20.45	20.97	21.65	22.61	1.63	21.13	34.47446
07 Feb 08	20.44	20.90	21.42	22.10	23.03	1.62	21.58	34.91431
08 Feb 08	20.39	20.88	21.41	22.10	23.03	1.62	21.56	34.95125
11 Feb 08	20.16	20.63	21.18	21.87	22.80	1.60	21.33	34.22835
12 Feb 08	19.97	20.43	21.01	21.72	22.66	1.61	21.16	34.12043
13 Feb 08	19.93	20.41	20.98	21.68	22.61	1.63	21.12	34.43073
14 Feb 08	20.72	21.21	21.81	22.46	23.40	1.62	21.92	35.50431
15 Feb 08	20.87	21.35	21.95	22.61	23.59	1.62	22.07	35.69107
18 Feb 08	20.93	21.41	22.01	22.69	23.65	1.61	22.14	35.53493
19 Feb 08	21.64	22.13	22.74	23.42	24.37	1.60	22.86	36.55542
20 Feb 08	21.50	22.00	22.60	23.25	24.21	1.60	22.71	36.38971
21 Feb 08	21.70	22.18	22.81	23.51	24.45	1.61	22.93	36.95066
22 Feb 08	21.48	21.96	22.61	23.28	24.22	1.61	22.71	36.51943
25 Feb 08	21.59	22.09	22.74	23.34	24.31	1.60	22.81	36.58847
26 Feb 08	21.35	21.85	22.50	23.15	24.11	1.60	22.59	36.22305
27 Feb 08	21.26	21.78	22.41	23.10	24.05	1.61	22.52	36.18808
28 Feb 08	21.16	21.66	22.31	23.02	23.93	1.60	22.42	35.91915
29 Feb 08	21.31	21.83	22.51	23.21	24.15	1.63	22.60	36.72835
03 Mar 08	20.88	21.40	22.14	22.80	23.74	1.62	22.19	35.86616
04 Mar 08	20.67	21.19	21.91	22.66	23.59	1.65	22.00	36.26339
05 Mar 08	21.24	21.78	22.51	23.26	24.20	1.64	22.60	37.05659
06 Mar 08	21.35	21.89	22.62	23.36	24.30	1.66	22.70	37.5969
07 Mar 08	21.38	21.92	22.67	23.40	24.34	1.65	22.74	37.56517
10 Mar 08	21.66	22.21	23.03	23.88	24.77	1.67	23.11	38.62803
11 Mar 08	21.86	22.41	23.14	23.88	24.86	1.65	23.23	38.42859
12 Mar 08	21.95	22.48	23.19	24.02	24.98	1.66	23.32	38.69784
13 Mar 08	22.55	23.10	23.81	24.64	25.59	1.65	23.94	39.44987
14 Mar 08	22.21	22.76	23.52	24.30	25.28	1.67	23.61	39.48375
17 Mar 08	21.43	21.97	22.65	23.45	24.38	1.71	22.78	39.0027
18 Mar 08	21.66	22.22	22.92	23.73	24.67	1.69	23.04	38.98855
19 Mar 08	21.56	22.12	22.83	23.63	24.60	1.71	22.95	39.12914
20 Mar 08	21.97	22.54	23.26	24.05	25.02	1.71	23.37	40.06845
25 Mar 08	22.54	23.12	23.83	24.64	25.60	1.70	23.95	40.76307
26 Mar 08	22.51	23.10	23.79	24.55	25.56	1.72	23.90	41.16311
27 Mar 08	22.26	22.84	23.53	24.31	25.28	1.71	23.64	40.53072
28 Mar 08	21.76	22.34	23.02	23.77	24.75	1.72	23.13	39.76914
31 Mar 08	22.27	22.85	23.53	24.29	25.28	1.73	23.64	40.84975
01 Apr 08	22.52	23.10	23.81	24.54	25.53	1.72	23.90	41.17891
02 Apr 08	23.42	24.00	24.71	25.43	26.41	1.72	24.79	42.52716
03 Apr 08	23.47	24.09	24.79	25.51	26.50	1.71	24.87	42.5176
04 Apr 08	23.31	23.96	24.61	25.35	26.34	1.70	24.71	42.1265
07 Apr 08	23.82	24.48	25.15	25.86	26.85	1.70	25.23	42.7728
08 Apr 08	23.51	24.18	24.87	25.58	26.55	1.69	24.94	42.11126
09 Apr 08	23.69	24.35	25.05	25.76	26.74	1.70	25.12	42.80502
10 Apr 08	24.44	25.08	25.78	26.50	27.48	1.69	25.86	43.6506
11 Apr 08	24.38	25.01	25.70	26.44	27.43	1.70	25.79	43.89006
14 Apr 08	25.00	25.63	26.34	27.09	28.07	1.71	26.43	45.16074
15 Apr 08	25.14	25.78	26.47	27.23	28.22	1.71	26.57	45.37995
16 Apr 08	24.80	25.45	26.15	26.90	27.89	1.70	26.24	44.54426
17 Apr 08	24.69	25.35	26.07	26.81	27.80	1.70	26.14	44.35405
18 Apr 08	24.51	25.16	25.87	26.65	27.64	1.69	25.97	43.92773
21 Apr 08	25.23	25.87	26.70	27.39	28.38	1.69	26.71	45.12068

22 Apr 08	25.34	25.99	26.76	27.46	28.45	1.69	26.80	45.34755
23 Apr 08	25.00	25.66	26.38	27.10	28.09	1.67	26.45	44.24457
24 Apr 08	24.51	25.13	25.87	26.61	27.55	1.67	25.93	43.24395
25 Apr 08	24.74	25.38	26.13	26.87	27.86	1.67	26.20	43.81191
28 Apr 08	24.63	25.27	26.01	26.79	27.78	1.67	26.10	43.50298
29 Apr 08	24.19	24.84	25.58	26.34	27.33	1.67	25.66	42.74743
30 Apr 08	23.88	24.54	25.31	26.04	27.03	1.66	25.36	41.98501
01 May 08	23.56	24.22	24.95	25.67	26.66	1.65	25.01	41.39147
02 May 08	24.50	25.15	25.81	26.51	27.39	1.65	25.87	42.59338
06 May 08	25.31	25.97	26.69	27.45	28.43	1.63	26.77	43.73038
07 May 08	25.03	25.67	26.40	27.18	28.13	1.63	26.48	43.2878
08 May 08	24.91	25.55	26.27	27.04	27.98	1.63	26.35	42.97012
09 May 08	25.17	25.82	26.52	27.29	28.28	1.64	26.62	43.68162
12 May 08	25.39	26.02	26.74	27.52	28.52	1.64	26.84	44.02195
13 May 08	25.04	25.67	26.37	27.14	28.14	1.64	26.47	43.52495
14 May 08	24.46	25.06	25.78	26.56	27.56	1.65	25.88	42.82814
15 May 08	24.68	25.30	26.01	26.76	27.75	1.64	26.10	42.85479
16 May 08	24.89	25.48	26.21	26.95	27.93	1.63	26.29	42.92659
19 May 08	25.31	25.91	26.61	27.33	28.33	1.63	26.70	43.42471
20 May 08	25.36	25.97	26.66	27.39	28.39	1.63	26.75	43.73289
21 May 08	25.73	26.35	27.03	27.78	28.77	1.64	27.13	44.49296
22 May 08	26.06	26.68	27.41	28.10	29.08	1.64	27.47	45.15804
23 May 08	26.11	26.72	27.41	28.14	29.14	1.64	27.50	45.1612
26 May 08	26.38	26.90	27.40	27.95	28.90	1.64	27.51	45.14669
27 May 08	26.34	26.95	27.59	28.31	29.30	1.64	27.70	45.3306
28 May 08	26.19	26.77	27.42	28.10	29.09	1.63	27.51	44.71786
29 May 08	26.59	27.15	27.79	28.53	29.44	1.62	27.90	45.21162
30 May 08	26.10	26.69	27.33	28.05	29.01	1.63	27.44	44.62325
02 Jun 08	26.34	26.93	27.56	28.29	29.26	1.63	27.68	45.0327
03 Jun 08	27.13	27.74	28.39	29.08	30.09	1.62	28.49	46.26918
04 Jun 08	26.60	27.21	27.84	28.56	29.56	1.61	27.95	45.08449
05 Jun 08	26.44	27.05	27.69	28.46	29.49	1.63	27.83	45.27264
06 Jun 08	27.54	28.17	28.86	29.59	30.65	1.64	28.96	47.434
09 Jun 08	27.49	28.13	28.79	29.55	30.61	1.65	28.91	47.58534
10 Jun 08	27.20	27.84	28.52	29.27	30.34	1.63	28.63	46.7696
11 Jun 08	27.32	27.97	28.63	29.39	30.45	1.64	28.75	47.22145
12 Jun 08	27.16	27.81	28.47	29.24	30.29	1.65	28.59	47.1781
13 Jun 08	27.00	27.65	28.32	29.08	30.14	1.64	28.44	46.53096
16 Jun 08	27.13	27.77	28.45	29.22	30.29	1.65	28.57	47.00462
17 Jun 08	27.24	27.87	28.55	29.31	30.37	1.64	28.67	47.10205
18 Jun 08	27.50	28.16	28.84	29.60	30.71	1.64	28.96	47.52291
19 Jun 08	27.64	28.33	29.04	29.84	31.04	1.63	29.18	47.54445
20 Jun 08	27.41	28.11	28.83	29.63	30.83	1.64	28.96	47.4221
23 Jun 08	27.77	28.50	29.28	30.10	31.35	1.63	29.40	47.95882
24 Jun 08	27.78	28.63	29.45	30.39	31.72	1.63	29.59	48.25329
25 Jun 08	27.59	28.42	29.27	30.26	31.66	1.63	29.44	48.11121
26 Jun 08	27.88	28.81	29.77	30.86	32.28	1.65	29.92	49.2969
27 Jun 08	28.34	29.29	30.24	31.42	32.82	1.64	30.42	50.00249
30 Jun 08	28.77	29.80	30.79	31.93	33.37	1.64	30.93	50.82857
01 Jul 08	29.33	30.53	31.71	32.90	34.38	1.66	31.77	52.59106
02 Jul 08	27.99	29.19	30.26	31.49	32.85	1.65	30.36	50.07561
03 Jul 08	27.45	28.64	29.74	30.98	32.46	1.63	29.85	48.78912
04 Jul 08	27.64	29.00	30.10	31.17	32.70	1.63	30.12	49.06976
07 Jul 08	27.51	28.67	29.82	30.92	32.32	1.64	29.85	49.05391
08 Jul 08	25.79	26.85	27.88	28.99	30.34	1.64	27.97	45.8877
09 Jul 08	26.02	27.11	28.12	29.17	30.51	1.65	28.19	46.42521
10 Jul 08	26.68	27.87	28.94	30.06	31.53	1.64	29.02	47.57756
11 Jul 08	27.45	28.75	29.85	31.00	32.48	1.65	29.91	49.29654
14 Jul 08	27.26	28.56	29.64	30.78	32.27	1.64	29.70	48.59725
15 Jul 08	26.32	27.61	28.71	29.85	31.32	1.62	28.76	46.72425
16 Jul 08	25.03	26.20	27.23	28.17	29.49	1.62	27.22	44.19855
17 Jul 08	25.76	26.89	27.85	28.82	30.17	1.63	27.90	45.55694
18 Jul 08	24.50	25.61	26.47	27.54	28.95	1.63	26.61	43.44138
21 Jul 08	24.49	25.59	26.52	27.49	28.79	1.63	26.58	43.32397
22 Jul 08	24.67	25.83	26.75	27.78	29.11	1.62	26.83	43.59012

23 Jul 08	24.74	25.85	26.89	27.99	29.31	1.63	26.96	43.95184
24 Jul 08	25.14	26.32	27.39	28.50	29.85	1.63	27.44	44.83007
25 Jul 08	24.94	26.11	27.21	28.38	29.68	1.64	27.26	44.74414
28 Jul 08	24.41	25.53	26.57	27.68	28.99	1.65	26.64	43.82655
29 Jul 08	23.63	24.72	25.76	26.85	28.08	1.64	25.81	42.22642
30 Jul 08	22.70	23.79	24.81	25.85	27.06	1.65	24.84	41.0125
31 Jul 08	22.06	23.10	24.12	25.17	26.39	1.66	24.17	40.00885
01 Aug 08	21.38	22.38	23.36	24.42	25.64	1.67	23.44	39.20562
04 Aug 08	21.21	22.25	23.26	24.31	25.56	1.68	23.32	39.08238
05 Aug 08	21.67	22.70	23.71	24.76	25.98	1.69	23.76	40.11076
06 Aug 08	22.26	23.33	24.37	25.49	26.76	1.70	24.44	41.46208
07 Aug 08	22.82	23.89	24.97	26.15	27.42	1.69	25.05	42.35241
08 Aug 08	22.61	23.70	24.73	25.83	27.09	1.69	24.79	41.87277
11 Aug 08	22.65	23.74	24.80	25.90	27.21	1.69	24.86	41.95868
12 Aug 08	23.31	24.38	25.38	26.59	27.93	1.71	25.52	43.52341
13 Aug 08	23.67	24.78	25.81	26.97	28.28	1.70	25.90	44.12736
14 Aug 08	23.43	24.50	25.52	26.64	27.95	1.70	25.61	43.54502
15 Aug 08	23.19	24.22	25.20	26.34	27.60	1.69	25.31	42.87255
18 Aug 08	23.59	24.68	25.68	26.80	28.07	1.69	25.76	43.64002
19 Aug 08	23.73	24.78	25.76	26.86	28.14	1.70	25.85	43.84158
20 Aug 08	24.42	25.49	26.50	27.61	28.92	1.69	26.59	44.89045
21 Aug 08	24.72	25.80	26.80	27.93	29.26	1.69	26.90	45.52285
22 Aug 08	24.58	25.67	26.67	27.80	29.13	1.70	26.77	45.63108
25 Aug 08	24.37	25.46	26.50	27.67	29.07	1.71	26.61	45.47093
26 Aug 08	24.72	25.81	26.80	27.92	29.25	1.71	26.90	46.0443
27 Aug 08	25.14	26.25	27.27	28.32	29.67	1.71	27.33	46.86389
28 Aug 08	25.17	26.28	27.27	28.40	29.74	1.71	27.37	46.69375
29 Aug 08	25.19	26.29	27.24	28.38	29.68	1.71	27.36	46.73668
01 Sep 08	24.96	26.06	27.00	28.14	29.45	1.72	27.12	46.56483
02 Sep 08	24.72	25.80	26.74	27.84	29.14	1.73	26.85	46.44418
03 Sep 08	24.45	25.52	26.47	27.61	28.91	1.73	26.59	46.13678
04 Sep 08	24.65	25.72	26.68	27.84	29.13	1.74	26.80	46.59812
05 Sep 08	24.40	25.46	26.42	27.57	28.86	1.75	26.54	46.46062
08 Sep 08	24.19	25.25	26.20	27.25	28.55	1.73	26.29	45.46833
09 Sep 08	22.86	23.91	24.84	25.87	27.06	1.76	24.91	43.89645
10 Sep 08	22.77	23.81	24.76	25.71	26.96	1.75	24.80	43.35807
11 Sep 08	23.07	24.11	25.03	25.99	27.24	1.74	25.09	43.66609
12 Sep 08	23.90	24.95	25.79	26.82	28.07	1.73	25.91	44.75251
15 Sep 08	23.03	24.07	24.94	25.94	27.20	1.77	25.04	44.36289
16 Sep 08	22.91	23.93	24.81	25.78	27.07	1.77	24.90	43.9805
17 Sep 08	23.25	24.29	25.17	26.19	27.50	1.80	25.28	45.58944
18 Sep 08	23.78	24.83	25.71	26.74	28.04	1.79	25.82	46.10504
19 Sep 08	24.68	25.73	26.61	27.66	28.98	1.73	26.73	46.36375
22 Sep 08	24.85	25.89	26.75	27.83	29.15	1.75	26.89	46.97557
23 Sep 08	25.06	26.05	26.84	27.94	29.27	1.76	27.03	47.47831
24 Sep 08	24.65	25.57	26.32	27.43	28.69	1.75	26.53	46.53646
25 Sep 08	24.67	25.55	26.27	27.32	28.53	1.75	26.47	46.31071
26 Sep 08	24.45	25.43	26.17	27.20	28.50	1.76	26.35	46.35731
29 Sep 08	23.19	24.11	24.84	25.89	27.14	1.80	25.03	45.058
30 Sep 08	22.35	23.29	24.05	25.06	26.23	1.78	24.20	43.08924
01 Oct 08	22.83	23.84	24.56	25.59	26.82	1.78	24.73	43.94033
02 Oct 08	23.14	24.09	24.85	25.90	27.10	1.79	25.02	44.65754
03 Oct 08	23.07	24.01	24.80	25.82	27.01	1.78	24.94	44.35694
06 Oct 08	22.08	23.01	23.77	24.75	25.90	1.92	23.90	45.79248
07 Oct 08	22.25	23.09	23.78	24.69	25.77	1.91	23.92	45.59981
08 Oct 08	21.81	22.60	23.23	24.19	25.29	2.02	23.42	47.40562
09 Oct 08	22.50	23.36	24.01	24.96	26.15	1.96	24.20	47.41924
10 Oct 08	22.04	22.81	23.42	24.30	25.44	2.09	23.60	49.35742
13 Oct 08	22.84	23.40	23.98	24.88	25.94	1.99	24.21	48.09132
14 Oct 08	23.29	23.80	24.42	25.29	26.34	1.95	24.63	48.11227
15 Oct 08	22.82	23.31	24.01	24.90	25.97	2.01	24.20	48.55645
16 Oct 08	21.91	22.67	23.42	24.21	25.45	1.96	23.53	46.131
17 Oct 08	21.68	22.43	23.19	24.08	25.27	1.94	23.33	45.17594
20 Oct 08	21.80	22.49	23.26	24.21	25.38	1.90	23.43	44.48063
21 Oct 08	21.25	21.87	22.62	23.55	24.73	1.92	22.80	43.70486

22 Oct 08	19.90	20.57	21.25	22.19	23.40	1.91	21.46	41.05031
23 Oct 08	20.19	20.74	21.35	22.27	23.48	1.96	21.61	42.43386
24 Oct 08	19.14	19.70	20.28	21.19	22.32	2.03	20.53	41.67081
27 Oct 08	17.87	18.37	18.83	19.52	20.51	2.06	19.02	39.25081
28 Oct 08	17.63	18.15	18.54	19.19	20.16	1.98	18.73	37.08089
29 Oct 08	18.45	18.98	19.39	20.00	21.01	1.93	19.57	37.69849
30 Oct 08	18.12	18.70	19.14	19.76	20.85	1.90	19.31	36.74986
31 Oct 08	17.94	18.55	18.94	19.48	20.58	1.91	19.12	36.44567
03 Nov 08	18.25	18.88	19.24	19.82	20.95	1.86	19.43	36.22173
04 Nov 08	18.94	19.57	19.97	20.57	21.69	1.87	20.15	37.5967
05 Nov 08	18.54	19.17	19.60	20.23	21.35	1.88	19.78	37.11883
06 Nov 08	18.20	18.82	19.26	19.87	21.00	1.91	19.43	37.06866
07 Nov 08	18.69	19.34	19.75	20.43	21.65	1.89	19.97	37.69669
10 Nov 08	18.51	19.15	19.65	20.43	21.64	1.90	19.88	37.81081
11 Nov 08	17.94	18.60	19.15	19.92	21.13	1.91	19.35	36.91023
12 Nov 08	17.95	18.55	19.05	19.82	20.91	1.96	19.26	37.69855
13 Nov 08	17.95	18.50	18.97	19.75	20.80	1.95	19.19	37.44051
14 Nov 08	17.43	18.05	18.55	19.31	20.41	1.93	18.75	36.21256
17 Nov 08	17.03	17.69	18.23	19.01	20.13	1.94	18.42	35.66638
18 Nov 08	16.55	17.25	17.81	18.56	19.70	1.94	17.97	34.89459
19 Nov 08	16.33	17.03	17.60	18.35	19.43	1.94	17.75	34.45562
20 Nov 08	14.92	15.54	16.05	16.76	17.70	2.02	16.19	32.79015
21 Nov 08	15.03	15.68	16.28	16.88	17.79	2.02	16.33	32.96547
24 Nov 08	15.86	16.55	17.13	17.78	18.72	1.99	17.21	34.23277
25 Nov 08	15.76	16.46	17.10	17.73	18.68	2.01	17.15	34.42936
26 Nov 08	15.63	16.27	16.80	17.54	18.41	1.98	16.93	33.5336
27 Nov 08	16.31	17.05	17.73	18.29	19.23	1.95	17.72	34.60379
28 Nov 08	15.52	16.19	16.88	17.57	18.51	1.94	16.93	32.83892
01 Dec 08	15.53	16.21	16.90	17.53	18.42	1.95	16.92	33.05651
02 Dec 08	15.36	16.05	16.74	17.39	18.27	1.99	16.76	33.30178
03 Dec 08	15.22	15.90	16.53	17.20	18.05	1.97	16.58	32.66181
04 Dec 08	14.82	15.49	16.12	16.81	17.65	1.98	16.18	32.08787
05 Dec 08	13.72	14.36	14.97	15.58	16.38	1.99	15.00	29.82628
08 Dec 08	14.45	15.10	15.72	16.35	17.20	1.95	15.76	30.79015
09 Dec 08	14.28	14.90	15.53	16.12	16.99	1.96	15.56	30.57073
10 Dec 08	14.37	15.04	15.64	16.31	17.16	1.98	15.70	31.09595
11 Dec 08	14.86	15.64	16.25	16.91	17.80	1.97	16.29	32.15789
12 Dec 08	14.88	15.58	16.15	16.81	17.75	2.03	16.23	32.93163
15 Dec 08	15.30	15.95	16.49	17.21	18.16	2.05	16.62	34.13784
16 Dec 08		15.93	16.45	17.15	18.05	2.04	16.90	34.44057
17 Dec 08		15.95	16.44	17.06	17.95	2.04	16.85	34.44434
18 Dec 08		15.73	16.25	16.90	17.75	2.04	16.66	34.05714
19 Dec 08		15.74	16.21	16.89	17.77	2.03	16.65	33.83131
22 Dec 08		16.07	16.57	17.22	18.10	2.03	16.99	34.45659
23 Dec 08		15.81	16.33	16.98	17.86	2.05	16.75	34.32927
24 Dec 08		15.75	16.27	16.91	17.74	2.05	16.67	34.18143
29 Dec 08		15.81	16.38	17.02	17.90	2.04	16.78	34.1653
30 Dec 08		16.02	16.58	17.23	18.07	2.04	16.98	34.67143
31 Dec 08		15.90	16.46	17.08	17.95	1.97	16.85	33.26514
02 Jan 09		15.55	16.11	16.74	17.60	1.96	16.50	32.34127
05 Jan 09		15.38	15.92	16.56	17.46	1.90	16.33	30.96575
06 Jan 09		15.69	16.20	16.86	17.67	1.87	16.61	30.99061
07 Jan 09		15.45	15.94	16.61	17.45	1.91	16.36	31.29624
08 Jan 09		14.76	15.27	15.87	16.65	1.93	15.64	30.23083
09 Jan 09		14.44	14.95	15.50	16.25	1.91	15.29	29.15774
12 Jan 09		13.94	14.37	14.91	15.59	1.95	14.70	28.68456
13 Jan 09		13.78	14.18	14.74	15.39	1.99	14.52	28.95518
14 Jan 09		13.28	13.63	14.16	14.82	1.99	13.97	27.86722
15 Jan 09		13.25	13.62	14.14	14.77	1.98	13.95	27.63822
16 Jan 09		12.60	12.98	13.52	14.09	1.98	13.30	26.38562
19 Jan 09		11.63	12.00	12.52	13.07	1.95	12.31	24.04513
20 Jan 09		11.51	11.97	12.47	12.99	1.98	12.24	24.20303
21 Jan 09		11.50	11.90	12.41	12.97	1.97	12.20	24.01811
22 Jan 09		11.70	12.02	12.51	13.06	1.97	12.32	24.31724
23 Jan 09		11.67	12.00	12.46	13.11	1.98	12.31	24.33092

26 Jan 09	12.11	12.46	12.92	13.53	1.99	12.76	25.39635
27 Jan 09	11.91	12.26	12.74	13.38	1.99	12.57	25.02596
28 Jan 09	11.74	12.08	12.54	13.18	1.97	12.39	24.41398
29 Jan 09	11.88	12.20	12.67	13.29	1.98	12.51	24.79298
30 Jan 09	11.85	12.17	12.66	13.29	2.01	12.49	25.13005
02 Feb 09	11.29	11.69	12.11	12.76	2.03	11.96	24.31214
03 Feb 09	10.61	10.94	11.41	12.02	2.00	11.25	22.44864
04 Feb 09	10.43	10.72	11.19	11.78	1.99	11.03	21.93388
05 Feb 09	10.20	10.48	10.95	11.53	1.96	10.79	21.17082
06 Feb 09	10.07	10.35	10.82	11.40	1.92	10.66	20.43181
09 Feb 09	10.05	10.32	10.80	11.37	1.92	10.64	20.36714
10 Feb 09	9.33	9.57	10.04	10.60	1.97	9.89	19.49126
11 Feb 09	8.49	8.72	9.19	9.73	1.97	9.03	17.79822
12 Feb 09	8.20	8.43	8.90	9.43	1.98	8.74	17.26436
13 Feb 09	8.63	8.95	9.43	10.02	1.96	9.26	18.10428
16 Feb 09	8.40	8.72	9.19	9.78	1.97	9.02	17.74259
17 Feb 09	8.64	8.96	9.44	10.04	1.97	9.27	18.30424
18 Feb 09	9.68	9.98	10.47	11.07	1.97	10.30	20.26722
19 Feb 09	10.81	11.18	11.75	12.45	1.96	11.55	22.64821
20 Feb 09	9.97	10.33	10.87	11.55	1.98	10.68	21.18695
23 Feb 09	9.64	9.94	10.47	11.18	1.98	10.31	20.36527
24 Feb 09	9.36	9.72	10.25	10.96	1.98	10.07	19.90281
25 Feb 09	9.74	10.11	10.69	11.44	1.97	10.50	20.69419
26 Feb 09	10.60	11.05	11.64	12.44	1.96	11.43	22.3687
27 Feb 09	10.09	10.53	11.13	11.93	1.97	10.92	21.52927
02 Mar 09	10.06	10.49	11.16	11.97	1.99	10.92	21.70889
03 Mar 09	10.98	11.41	12.13	13.02	1.96	11.89	23.31361
04 Mar 09	11.64	12.14	12.86	13.77	1.95	12.60	24.52211
05 Mar 09	11.64	12.14	12.86	13.77	1.97	12.60	24.76503
06 Mar 09	10.83	11.33	12.03	12.97	1.98	11.79	23.33773
09 Mar 09	11.65	12.20	12.95	13.98	1.99	12.45	24.82853
10 Mar 09	12.01	12.57	13.32	14.35	1.97	12.75	25.1141
11 Mar 09	11.69	12.33	13.10	14.15	1.97	12.55	24.77538
12 Mar 09	11.87	12.54	13.41	14.62	1.97	12.79	25.21763
13 Mar 09	12.29	12.99	13.90	15.05	1.96	13.26	26.01471
16 Mar 09	12.58	13.29	14.19	15.39	1.96	13.55	26.58548
17 Mar 09	12.58	13.29	14.19	15.39	1.97	13.55	26.64552
18 Mar 09	12.58	13.29	14.19	15.39	1.98	13.55	26.81501

	EURO			AUD		
Date	EJA Dec07	EUA Dec09-12	CER Dec09-12	EUA Dec07	EUA Dec09-12	CER Dec09-12
22-Apr-05	16.95	17.13		28.30	28.59	
25-Apr-05	17.55	17.73		29.25	29.54	
26-Apr-05	17.20	17.38		28.68	28.97	
27-Apr-05	16.45	16.63		27.40	27.69	
28-Apr-05	16.00	16.18		26.47	26.76	
29-Apr-05	16.50	16.68		27.18	27.46	
03-May-05	16.25	16.43		27.04	27.33	
04-May-05	16.20	16.38		26.86	27.15	
05-May-05	16.60	16.78		27.54	27.83	
06-May-05	16.60	16.78		27.43	27.72	
09-May-05	17.00	17.18		28.28	28.57	
10-May-05	17.10	17.28		28.35	28.64	
11-May-05	16.90	17.08		27.94	28.23	
12-May-05	16.75	16.93		27.78	28.07	
13-May-05	16.80	17.13		27.87	28.41	
16-May-05	16.90	17.13		28.25	28.62	
17-May-05	17.20	17.53		28.68	29.22	
18-May-05	17.45	17.78		29.05	29.59	
19-May-05	18.00	18.23		30.01	30.38	
20-May-05	18.75	18.93		31.16	31.45	
23-May-05	18.50	18.95		30.64	31.39	
24-May-05	19.10	19.39		31.47	31.94	
25-May-05	19.95	20.13		32.97	33.26	
26-May-05	19.75	20.03		32.54	32.99	
27-May-05	19.65	19.98		32.38	32.91	
31-May-05	19.90	20.18		32.43	32.88	
01-Jun-05	19.60	19.83		31.96	32.33	
02-Jun-05	19.50	19.66		31.71	32.30	
03-Jun-05	19.10	19.55		30.87	31.59	
06-Jun-05	19.30	19.78		30.94	31.70	
07-Jun-05	19.60	20.15		31.32	32.19	
08-Jun-05	19.80	20.25		31.65	32.37	
09-Jun-05	19.65	20.00		31.28	31.84	
10-Jun-05	19.65	20.00		31.25	31.81	
13-Jun-05	19.85	20.35		31.58	32.38	
14-Jun-05	19.90	20.44		31.36	32.21	
15-Jun-05	20.10	20.45		31.62	32.17	
16-Jun-05	20.60	20.85		32.24	32.63	
17-Jun-05	21.50	21.85		33.95	34.51	
20-Jun-05	22.95	23.35		35.92	36.54	
21-Jun-05	23.00	23.50		35.87	36.65	
22-Jun-05	23.20	23.55		36.12	36.67	
23-Jun-05	23.40	23.83		36.46	37.12	
24-Jun-05	24.00	24.30		37.74	38.21	
27-Jun-05	23.95	24.30		37.65	38.40	
28-Jun-05	24.50	24.90		38.75	39.38	
29-Jun-05	25.45	25.94		40.31	41.08	
30-Jun-05	25.80	26.50		41.02	42.13	
01-Jul-05	26.90	27.48		42.83	43.75	
04-Jul-05	29.45	29.90		46.76	47.47	
05-Jul-05	28.85	29.30		46.31	47.03	
06-Jul-05	29.30	29.93		47.16	48.17	
07-Jul-05	29.40	30.03		47.42	48.43	
08-Jul-05	29.70	30.50		47.89	49.18	
11-Jul-05	29.90	30.65		48.26	49.47	
12-Jul-05	29.45	30.03		47.60	48.53	
13-Jul-05	27.95	28.40		45.05	45.78	
14-Jul-05	24.00	24.53		38.56	39.41	
15-Jul-05	24.30	24.93		39.02	40.02	
18-Jul-05	24.70	25.13		39.51	40.19	
19-Jul-05	24.55	24.94		39.32	39.94	
20-Jul-05	20.90	21.75		33.59	34.96	
21-Jul-05	20.35	21.20		32.35	33.70	
22-Jul-05	20.10	20.45		31.73	32.28	
25-Jul-05	20.15	20.83		31.87	32.93	
26-Jul-05	20.80	21.50		32.96	34.07	
27-Jul-05	22.05	22.58		35.20	36.04	
28-Jul-05	22.05	22.55		35.22	36.01	
29-Jul-05	22.35	22.98		35.78	36.78	
01-Aug-05	21.45	22.10		34.30	35.34	

02-Aug-05	20.70	21.15	32.98	33.70
03-Aug-05	20.70	21.40	33.06	34.18
04-Aug-05	20.50	21.20	32.84	33.96
05-Aug-05	21.25	21.75	34.16	34.97
08-Aug-05	21.75	22.25	35.15	35.96
09-Aug-05	22.45	22.95	36.48	37.29
10-Aug-05	22.45	23.05	36.27	37.24
11-Aug-05	22.55	23.35	36.26	37.55
12-Aug-05	22.80	23.25	36.68	37.41
15-Aug-05	22.40	22.98	36.04	36.96
16-Aug-05	22.45	23.03	36.05	36.98
17-Aug-05	22.80	23.43	36.76	37.77
18-Aug-05	22.75	23.35	36.79	37.76
19-Aug-05	22.90	23.38	37.06	37.83
22-Aug-05	23.05	23.63	37.34	38.28
23-Aug-05	23.10	23.58	37.40	38.17
24-Aug-05	23.10	23.58	37.50	38.27
25-Aug-05	23.35	23.75	37.81	38.46
30-Aug-05	23.65	24.30	38.63	39.69
31-Aug-05	23.95	24.48	39.17	40.03
01-Sep-05	24.40	24.98	39.98	40.93
02-Sep-05	24.75	25.28	40.53	41.39
05-Sep-05	24.75	25.33	40.41	41.35
06-Sep-05	24.65	25.13	40.02	40.79
07-Sep-05	24.70	25.23	40.03	40.88
08-Sep-05	24.35	24.70	39.06	39.62
09-Sep-05	23.75	24.20	38.05	38.77
12-Sep-05	22.25	22.65	35.49	36.13
13-Sep-05	21.75	22.10	34.72	35.28
14-Sep-05	22.45	22.70	35.74	36.13
15-Sep-05	22.70	22.95	36.19	36.59
16-Sep-05	22.05	22.35	35.14	35.61
19-Sep-05	22.60	22.95	35.80	36.36
20-Sep-05	22.05	22.40	34.88	35.43
21-Sep-05	22.00	20.81	34.86	32.98
22-Sep-05	22.30	20.75	35.52	33.05
23-Sep-05	22.05	19.38	35.06	30.81
26-Sep-05	21.60	18.88	34.45	30.10
27-Sep-05	22.05	19.30	35.03	30.66
28-Sep-05	22.75	20.25	36.08	32.11
29-Sep-05	22.90	20.25	36.25	32.05
30-Sep-05	22.85	20.60	36.02	32.47
03-Oct-05	22.75	20.85	35.50	32.53
04-Oct-05	23.30	21.80	36.35	34.01
05-Oct-05	23.80	22.13	37.62	34.98
06-Oct-05	23.60	22.68	37.89	36.40
07-Oct-05	23.05	22.09	36.93	35.39
10-Oct-05	23.05	22.75	36.64	36.17
11-Oct-05	23.15	22.68	36.89	36.14
12-Oct-05	23.50	23.03	37.41	36.65
13-Oct-05	23.45	23.28	37.55	37.27
14-Oct-05	23.05	22.80	37.02	36.62
17-Oct-05	23.10	22.95	37.07	36.82
18-Oct-05	22.85	22.53	36.52	36.00
19-Oct-05	22.40	22.38	35.78	35.74
20-Oct-05	22.10	21.88	35.29	34.93
21-Oct-05	21.80	21.68	34.80	34.60
24-Oct-05	21.45	21.00	34.24	33.52
25-Oct-05	21.40	21.15	34.21	33.81
26-Oct-05	21.65	20.93	34.62	33.46
27-Oct-05	21.85	21.25	35.02	34.05
28-Oct-05	22.10	21.35	35.55	34.34
31-Oct-05	21.90	21.50	35.13	34.48
01-Nov-05	21.75	20.78	35.03	33.46
02-Nov-05	21.35	20.61	34.69	33.49
03-Nov-05	21.25	19.91	34.37	32.21
04-Nov-05	21.35	20.25	34.40	32.63
07-Nov-05	21.60	20.40	34.76	32.83
08-Nov-05	22.05	20.84	35.35	33.40
09-Nov-05	22.50	20.59	35.91	32.86
10-Nov-05	22.70	20.78	36.39	33.30
11-Nov-05	22.70	20.70	36.26	33.06
14-Nov-05	23.15	21.63	37.19	34.74

15-Nov-05	22.90	20.88	36.60	33.36
16-Nov-05	22.75	20.50	36.36	32.77
17-Nov-05	22.45	20.30	35.89	32.45
18-Nov-05	21.65	20.25	34.75	32.50
21-Nov-05	21.70	19.50	34.56	31.06
22-Nov-05	22.20	20.13	35.51	32.19
23-Nov-05	21.60	19.01	34.54	30.40
24-Nov-05	19.90	17.85	31.72	28.45
25-Nov-05	20.15	18.55	32.07	29.53
28-Nov-05	20.50	18.55	32.66	29.55
29-Nov-05	19.90	18.50	31.75	29.52
30-Nov-05	20.15	18.35	32.12	29.25
01-Dec-05	20.55	18.50	32.44	29.20
02-Dec-05	21.80	18.25	34.10	28.54
05-Dec-05	22.70	19.55	35.62	30.68
06-Dec-05	23.40	19.85	36.60	31.05
07-Dec-05	22.90	19.55	35.89	30.64
08-Dec-05	22.05	18.86	34.72	29.70
09-Dec-05	21.70	19.35	34.11	30.41
12-Dec-05	22.35	19.50	35.38	30.87
13-Dec-05	22.70	20.13	35.90	31.83
14-Dec-05	22.45	19.78	35.62	31.38
15-Dec-05	22.40	19.80	35.84	31.68
16-Dec-05	22.10	19.50	35.68	31.48
19-Dec-05	22.10	19.60	35.79	31.74
20-Dec-05	21.95	19.48	35.53	31.53
21-Dec-05	21.85	19.38	35.26	31.26
22-Dec-05	21.65	19.35	35.17	31.43
23-Dec-05	21.35	18.95	34.80	30.89
27-Dec-05	21.65	19.25	35.41	31.48
28-Dec-05	21.85	19.40	35.52	31.54
29-Dec-05	22.05	19.80	35.63	32.00
30-Dec-05	22.10	19.60	35.60	31.58
03-Jan-06	22.75	19.95	36.86	32.32
04-Jan-06	23.05	20.30	37.34	32.88
05-Jan-06	23.45	20.30	37.91	32.82
06-Jan-06	24.00	21.15	38.64	34.05
09-Jan-06	23.70	20.35	37.99	32.62
10-Jan-06	23.80	20.60	38.33	33.18
11-Jan-06	23.80	20.60	38.15	33.02
12-Jan-06	24.00	20.75	38.43	33.23
13-Jan-06	24.00	20.90	38.59	33.61
16-Jan-06	24.05	21.15	38.61	33.96
17-Jan-06	25.25	21.93	40.57	35.23
18-Jan-06	26.45	22.70	42.77	36.70
19-Jan-06	26.65	22.78	43.07	36.81
20-Jan-06	27.90	23.05	45.26	37.39
23-Jan-06	26.90	22.98	43.91	37.50
24-Jan-06	26.35	22.28	43.08	36.42
25-Jan-06	26.70	22.68	43.42	36.87
26-Jan-06	27.45	23.08	44.51	37.42
27-Jan-06	26.90	23.18	43.36	37.35
30-Jan-06	27.50	24.50	44.36	39.52
31-Jan-06	27.55	25.25	44.32	40.62
01-Feb-06	28.05	26.49	44.93	42.42
02-Feb-06	28.55	27.04	45.78	43.35
03-Feb-06	28.85	27.30	46.25	43.77
06-Feb-06	28.70	29.10	46.24	46.88
07-Feb-06	27.65	28.18	44.65	45.50
08-Feb-06	27.15	27.63	43.82	44.59
09-Feb-06	27.45	28.25	44.42	45.71
10-Feb-06	27.30	28.39	44.09	45.85
13-Feb-06	27.20	27.90	43.79	44.91
14-Feb-06	27.35	27.90	44.03	44.91
15-Feb-06	27.60	27.88	44.43	44.87
16-Feb-06	27.95	29.36	44.97	47.24
17-Feb-06	27.70	29.15	44.72	47.07
20-Feb-06	28.10	28.80	45.25	46.38
21-Feb-06	28.30	28.63	45.64	46.16
22-Feb-06	28.20	28.24	45.61	45.67
23-Feb-06	27.65	25.33	44.62	40.86
24-Feb-06	27.65	26.00	44.39	41.74
27-Feb-06	27.20	25.83	43.70	41.49

28-Feb-06	27.40	25.75	43.97	41.32
01-Mar-06	27.85	25.48	44.56	40.76
02-Mar-06	28.15	25.25	45.23	40.57
03-Mar-06	28.05	25.45	45.31	41.11
06-Mar-06	28.05	25.49	45.51	41.35
07-Mar-06	27.60	24.75	44.68	40.06
08-Mar-06	27.75	25.20	45.11	40.97
09-Mar-06	27.70	24.95	44.95	40.49
10-Mar-06	27.90	24.95	45.41	40.61
13-Mar-06	28.45	25.36	46.34	41.31
14-Mar-06	28.25	25.35	46.07	41.34
15-Mar-06	28.05	25.45	45.78	41.54
16-Mar-06	27.70	25.25	45.76	41.71
17-Mar-06	27.95	25.28	46.76	42.29
20-Mar-06	28.15	25.38	47.47	42.79
21-Mar-06	28.10	25.53	47.35	43.01
22-Mar-06	28.15	25.93	47.28	43.54
23-Mar-06	28.20	25.88	47.22	43.33
24-Mar-06	27.95	25.95	47.45	44.05
27-Mar-06	27.80	25.63	47.34	43.63
28-Mar-06	27.95	25.88	47.60	44.06
29-Mar-06	28.20	27.13	47.95	46.12
30-Mar-06	28.35	28.45	48.17	48.34
31-Mar-06	28.40	28.34	48.10	48.00
03-Apr-06	28.35	28.40	48.11	48.20
04-Apr-06	28.85	28.75	49.07	48.90
05-Apr-06	29.80	28.95	50.34	48.90
06-Apr-06	30.35	29.23	50.76	48.87
07-Apr-06	29.85	29.40	49.73	48.98
10-Apr-06	30.00	29.50	49.80	48.97
11-Apr-06	30.45	30.83	50.41	51.03
12-Apr-06	30.35	31.38	50.13	51.82
13-Apr-06	30.15	31.63	50.15	52.60
18-Apr-06	30.30	31.78	50.29	52.74
19-Apr-06	31.50	33.81	52.19	56.02
20-Apr-06	31.50	33.88	52.58	56.55
21-Apr-06	30.95	32.43	51.27	53.71
24-Apr-06	30.75	32.75	51.21	54.54
25-Apr-06	30.95	32.55	51.61	54.27
26-Apr-06	28.30	31.18	46.79	51.55
27-Apr-06	20.75	23.78	34.36	39.37
28-Apr-06	17.30	23.13	28.75	38.43
01-May-06	14.25	20.05	23.62	33.23
02-May-06	13.95	19.75	23.09	32.70
03-May-06	11.95	19.70	19.59	32.29
04-May-06	12.85	21.30	21.15	35.05
05-May-06	14.85	23.53	24.48	38.79
08-May-06	13.20	21.49	21.82	35.52
09-May-06	12.65	21.43	20.84	35.30
10-May-06	12.75	19.99	21.03	32.97
11-May-06	13.65	20.76	22.56	34.31
12-May-06	13.40	20.84	22.38	34.80
15-May-06	9.80	19.01	16.48	31.97
16-May-06	15.75	22.95	26.37	38.42
17-May-06	17.35	23.20	29.13	38.95
18-May-06	16.25	23.65	27.28	39.70
19-May-06	16.25	23.44	27.40	39.52
22-May-06	16.95	23.56	28.96	40.26
23-May-06	18.95	25.49	32.20	43.31
24-May-06	20.45	25.55	34.68	43.33
25-May-06	19.75	25.13	33.20	42.24
26-May-06	19.85	25.63	33.31	43.01
30-May-06	19.55	25.54	32.99	43.10
31-May-06	18.50	24.89	31.50	42.37
01-Jun-06	17.40	23.88	29.77	40.86
02-Jun-06	17.00	22.93	29.21	39.39
05-Jun-06	17.05	22.75	29.40	39.23
06-Jun-06	16.65	22.45	28.85	38.90
07-Jun-06	16.30	22.28	28.17	38.49
08-Jun-06	15.60	21.60	26.62	36.86
09-Jun-06	14.60	21.00	24.65	35.46
12-Jun-06	14.60	20.75	24.64	35.01
13-Jun-06	15.60	21.85	26.52	37.15

14-Jun-06	15.50	21.65	26.51	37.03
15-Jun-06	15.50	20.85	26.35	35.44
16-Jun-06	15.50	21.03	26.50	35.95
19-Jun-06	15.65	20.85	26.71	35.59
20-Jun-06	15.90	21.83	27.11	37.22
21-Jun-06	16.60	22.25	28.43	38.10
22-Jun-06	16.05	21.75	27.49	37.26
23-Jun-06	16.15	21.85	27.61	37.35
26-Jun-06	16.05	21.71	27.59	37.32
27-Jun-06	15.60	21.01	26.78	36.07
28-Jun-06	15.75	21.33	27.10	36.70
29-Jun-06	16.20	21.43	27.75	36.70
30-Jun-06	16.55	21.28	28.48	36.61
03-Jul-06	16.55	21.08	28.54	36.34
04-Jul-06	16.85	21.13	28.94	36.29
05-Jul-06	16.85	20.50	28.90	35.16
06-Jul-06	16.65	20.39	28.51	34.91
07-Jul-06	17.05	20.83	29.04	35.47
10-Jul-06	16.80	20.95	28.66	35.73
11-Jul-06	16.95	21.15	28.74	35.87
12-Jul-06	17.10	21.53	28.88	36.35
13-Jul-06	17.05	21.55	28.68	36.25
14-Jul-06	17.15	21.60	28.79	36.27
17-Jul-06	17.50	21.53	29.31	36.05
18-Jul-06	18.05	21.75	30.25	36.45
19-Jul-06	17.70	21.60	29.73	36.28
20-Jul-06	17.20	21.43	28.91	36.01
21-Jul-06	17.55	21.43	29.61	36.15
24-Jul-06	17.40	21.30	29.10	35.62
25-Jul-06	17.30	21.00	28.90	35.08
26-Jul-06	17.00	20.73	28.35	34.56
27-Jul-06	17.15	20.45	28.56	34.06
28-Jul-06	17.35	20.35	28.83	33.82
31-Jul-06	16.90	19.75	28.15	32.90
01-Aug-06	16.85	20.15	28.22	33.75
02-Aug-06	17.05	20.20	28.54	33.81
03-Aug-06	17.15	19.94	28.84	33.53
04-Aug-06	16.60	19.08	27.91	32.08
07-Aug-06	15.90	18.43	26.74	30.98
08-Aug-06	16.45	19.13	27.75	32.26
09-Aug-06	16.55	19.35	27.78	32.48
10-Aug-06	16.50	19.40	27.52	32.35
11-Aug-06	16.30	19.30	27.07	32.06
14-Aug-06	16.50	19.13	27.64	32.04
15-Aug-06	16.25	19.03	27.15	31.79
16-Aug-06	16.25	19.05	27.16	31.84
17-Aug-06	16.40	19.28	27.64	32.48
18-Aug-06	16.45	19.03	27.80	32.16
21-Aug-06	16.55	19.38	27.95	32.72
22-Aug-06	17.35	19.64	29.15	32.99
23-Aug-06	17.60	19.70	29.52	33.04
24-Aug-06	17.40	19.80	29.16	33.18
25-Aug-06	16.90	19.40	28.49	32.71
28-Aug-06	17.00	19.55	28.62	32.92
29-Aug-06	16.90	19.45	28.37	32.65
30-Aug-06	16.60	19.40	27.88	32.59
31-Aug-06	16.30	19.30	27.36	32.40
01-Sep-06	16.50	19.35	27.62	32.39
04-Sep-06	16.50	19.35	27.55	32.31
05-Sep-06	16.90	19.65	28.06	32.62
06-Sep-06	17.10	19.70	28.58	32.93
07-Sep-06	17.15	19.63	28.78	32.93
08-Sep-06	17.05	19.53	28.63	32.79
11-Sep-06	16.95	19.59	28.68	33.14
12-Sep-06	16.80	19.35	28.40	32.72
13-Sep-06	16.90	19.45	28.49	32.78
14-Sep-06	16.80	19.33	28.31	32.57
15-Sep-06	16.80	19.33	28.27	32.51
18-Sep-06	16.75	19.20	28.16	32.28
19-Sep-06	16.75	19.36	28.21	32.61
20-Sep-06	16.25	18.94	27.38	31.91
21-Sep-06	14.70	18.00	24.83	30.40
22-Sep-06	14.00	17.58	23.85	29.94

25-Sep-06	13.85	17.55	23.44	29.71
26-Sep-06	13.25	17.38	22.38	29.35
27-Sep-06	12.35	16.58	20.89	28.04
28-Sep-06	12.45	16.83	21.12	28.54
29-Sep-06	12.90	17.08	21.94	29.04
02-Oct-06	13.30	17.53	22.64	29.83
03-Oct-06	12.50	16.75	21.42	28.70
04-Oct-06	12.30	16.90	20.96	28.79
05-Oct-06	12.30	17.28	20.91	29.37
06-Oct-06	12.45	17.78	21.11	30.13
09-Oct-06	12.40	17.73	20.99	30.00
10-Oct-06	12.65	17.78	21.29	29.92
11-Oct-06	12.75	17.38	21.49	29.29
12-Oct-06	12.75	17.18	21.31	28.70
13-Oct-06	12.65	16.48	21.07	27.44
16-Oct-06	12.75	16.54	21.18	27.47
17-Oct-06	12.80	16.55	21.29	27.52
18-Oct-06	13.00	16.70	21.59	27.73
19-Oct-06	13.15	16.78	21.85	27.87
20-Oct-06	13.05	16.98	21.69	28.22
23-Oct-06	13.05	17.38	21.63	28.80
24-Oct-06	12.75	17.68	21.12	29.28
25-Oct-06	12.80	17.70	21.20	29.31
26-Oct-06	12.35	17.00	20.50	28.22
27-Oct-06	12.40	17.20	20.54	28.50
30-Oct-06	12.15	17.13	20.08	28.30
31-Oct-06	11.05	16.68	18.21	27.48
01-Nov-06	11.25	16.83	18.51	27.69
02-Nov-06	11.25	17.13	18.55	28.24
03-Nov-06	10.95	17.08	18.08	28.19
06-Nov-06	10.80	17.23	17.81	28.41
07-Nov-06	10.55	17.38	17.42	28.69
08-Nov-06	9.65	17.03	15.99	28.20
09-Nov-06	9.70	17.13	16.18	28.57
10-Nov-06	9.70	17.45	16.24	29.22
13-Nov-06	8.95	17.05	15.03	28.63
14-Nov-06	8.70	17.15	14.58	28.73
15-Nov-06	9.40	16.83	15.75	28.19
16-Nov-06	9.25	17.28	15.42	28.80
17-Nov-06	8.90	17.38	14.84	28.97
20-Nov-06	8.75	17.53	14.54	29.13
21-Nov-06	9.00	18.48	14.98	30.75
22-Nov-06	9.10	18.83	15.17	31.38
23-Nov-06	8.90	18.68	14.87	31.20
24-Nov-06	9.00	18.78	15.13	31.56
27-Nov-06	9.20	19.78	15.52	33.35
28-Nov-06	9.20	20.33	15.47	34.17
29-Nov-06	8.90	19.23	14.94	32.26
30-Nov-06	8.40	19.83	14.11	33.29
01-Dec-06	8.20	19.63	13.83	33.10
04-Dec-06	7.85	21.03	12.91	35.48
05-Dec-06	7.25	20.64	12.28	34.96
06-Dec-06	6.85	20.13	11.58	34.01
07-Dec-06	7.10	20.18	11.94	33.94
08-Dec-06	7.55	19.63	12.69	32.99
11-Dec-06	7.30	20.08	12.32	33.87
12-Dec-06	7.10	19.58	11.99	33.05
13-Dec-06	6.85	18.86	11.51	31.70
14-Dec-06	6.60	18.40	11.09	30.91
15-Dec-06	6.60	18.39	11.04	30.76
18-Dec-06	6.60	18.51	11.07	31.05
19-Dec-06	6.70	18.63	11.28	31.35
20-Dec-06	6.65	18.48	11.14	30.96
21-Dec-06	6.60	18.43	11.08	30.93
22-Dec-06	6.60	18.74	11.40	31.40
26-Dec-06	6.95	19.13	11.64	32.02
27-Dec-06	6.95	19.13	11.64	32.02
28-Dec-06	6.70	19.58	11.17	32.64
29-Dec-06	6.70	19.53	11.21	32.65
02-Jan-07	5.60	18.93	9.34	31.58
03-Jan-07	4.85	17.84	8.06	29.66
04-Jan-07	4.85	17.98	8.08	29.95
05-Jan-07	4.80	17.23	8.01	28.76

08-Jan-07	3.95	15.88	6.59	26.49
09-Jan-07	3.50	16.13	5.83	26.86
10-Jan-07	3.85	16.33	6.41	27.17
11-Jan-07	4.00	16.63	6.60	27.43
12-Jan-07	4.05	17.05	6.67	28.10
15-Jan-07	4.05	17.60	6.68	29.03
16-Jan-07	4.25	17.78	7.01	29.33
17-Jan-07	4.10	17.03	6.75	28.02
18-Jan-07	4.00	17.18	6.57	28.21
19-Jan-07	4.00	17.18	6.57	28.20
22-Jan-07	3.90	17.03	6.41	27.96
23-Jan-07	3.80	17.03	6.24	27.98
24-Jan-07	3.45	16.63	5.72	27.57
25-Jan-07	3.30	16.75	5.51	27.98
26-Jan-07	3.05	16.96	5.09	28.32
29-Jan-07	2.50	16.94	4.20	28.44
30-Jan-07	2.45	16.78	4.11	28.14
31-Jan-07	2.35	16.71	3.95	28.06
01-Feb-07	2.25	16.79	3.78	28.23
02-Feb-07	2.00	16.13	3.35	26.97
05-Feb-07	1.80	16.33	3.00	27.18
06-Feb-07	1.50	16.23	2.50	27.09
07-Feb-07	1.35	15.83	2.26	26.46
08-Feb-07	1.50	15.18	2.50	25.31
09-Feb-07	1.65	15.48	2.76	25.90
12-Feb-07	1.30	15.58	2.18	26.13
13-Feb-07	1.25	15.08	2.09	25.23
14-Feb-07	1.20	14.98	2.01	25.08
15-Feb-07	1.15	15.03	1.93	25.16
16-Feb-07	1.15	15.08	1.92	25.16
19-Feb-07	0.80	14.13	1.34	23.61
20-Feb-07	0.90	13.56	1.51	22.68
21-Feb-07	0.95	14.28	1.58	23.71
22-Feb-07	0.90	14.43	1.50	23.99
23-Feb-07	0.95	15.88	1.58	26.40
26-Feb-07	1.00	16.68	1.66	27.70
27-Feb-07	1.00	16.44	1.67	27.48
28-Feb-07	0.95	16.28	1.59	27.30
01-Mar-07	1.00	16.55	1.68	27.78
02-Mar-07	1.10	16.23	1.85	27.35
05-Mar-07	1.00	15.03	1.70	25.52
06-Mar-07	1.05	15.06	1.78	25.51
07-Mar-07	1.15	15.63	1.94	26.42
08-Mar-07	1.15	16.11	1.94	27.20
09-Mar-07	1.35	16.14	2.27	27.12
12-Mar-07	1.35	16.48	2.27	27.67
13-Mar-07	1.25	16.50	2.10	27.77
14-Mar-07	1.25	16.46	2.11	27.74
15-Mar-07	1.25	16.93	2.09	28.36
16-Mar-07	1.20	16.83	2.01	28.12
19-Mar-07	1.05	16.98	1.75	28.25
20-Mar-07	1.05	17.88	1.74	29.62
21-Mar-07	1.05	17.83	1.74	29.53
22-Mar-07	1.00	17.79	1.65	29.39
23-Mar-07	1.00	17.69	1.65	29.17
26-Mar-07	1.00	18.63	1.65	30.65
27-Mar-07	1.04	18.33	1.72	30.26
28-Mar-07	1.20	18.65	1.98	30.84
29-Mar-07	1.36	18.82	2.25	31.11
30-Mar-07	1.31	18.86	2.16	31.12
02-Apr-07	1.03	18.18	1.69	29.75
03-Apr-07	0.90	17.25	1.48	28.29
04-Apr-07	0.85	17.49	1.39	28.54
05-Apr-07	0.83	17.96	1.36	29.40
09-Apr-07	0.83	17.42	1.36	28.47
10-Apr-07	0.83	18.01	1.35	29.28
11-Apr-07	0.80	18.41	1.30	29.97
12-Apr-07	0.80	18.81	1.30	30.58
13-Apr-07	0.76	19.14	1.23	31.08
16-Apr-07	0.72	19.20	1.17	31.21
17-Apr-07	0.68	19.15	1.10	31.06
18-Apr-07	0.56	18.86	0.91	30.60
19-Apr-07	0.51	18.52	0.83	30.17

20-Apr-07	0.63	18.76	1.02	30.44
23-Apr-07	0.68	19.34	1.11	31.53
24-Apr-07	0.68	19.34	1.12	31.90
25-Apr-07	0.64	19.52	1.05	31.92
26-Apr-07	0.54	19.39	0.89	31.92
27-Apr-07	0.53	19.49	0.87	32.03
30-Apr-07	0.53	20.34	0.87	33.41
01-May-07	0.58	20.67	0.95	33.96
02-May-07	0.56	20.19	0.92	33.25
03-May-07	0.54	20.08	0.89	33.01
04-May-07	0.54	20.28	0.89	33.55
07-May-07	0.53	20.70	0.87	34.12
08-May-07	0.47	20.66	0.77	33.77
09-May-07	0.40	20.66	0.65	33.74
10-May-07	0.30	20.33	0.49	33.11
11-May-07	0.32	20.77	0.52	33.78
14-May-07	0.33	21.38	0.54	34.79
15-May-07	0.29	21.68	0.47	35.35
16-May-07	0.33	21.92	0.54	35.97
17-May-07	0.30	22.45	0.49	36.77
18-May-07	0.28	22.86	0.46	37.47
21-May-07	0.30	23.02	0.49	37.73
22-May-07	0.29	22.75	0.48	37.34
23-May-07	0.29	23.08	0.47	37.71
24-May-07	0.29	24.32	0.48	39.89
25-May-07	0.29	25.09	0.48	41.23
28-May-07	0.30	25.16	0.49	41.30
29-May-07	0.27	26.20	0.44	43.05
30-May-07	0.27	24.05	0.44	39.26
31-May-07	0.29	23.85	0.47	38.74
01-Jun-07	0.29	24.90	0.47	40.21
04-Jun-07	0.29	25.55	0.47	41.30
05-Jun-07	0.28	24.19	0.45	39.04
06-Jun-07	0.29	24.23	0.47	38.93
07-Jun-07	0.27	23.60	0.43	37.66
08-Jun-07	0.27	23.94	0.43	37.91
11-Jun-07	0.25	23.58	0.40	37.31
12-Jun-07	0.24	23.64	0.38	37.38
13-Jun-07	0.22	24.63	0.35	39.02
14-Jun-07	0.19	24.63	0.30	39.20
15-Jun-07	0.17	23.75	0.27	37.74
18-Jun-07	0.14	22.67	0.22	36.03
19-Jun-07	0.14	22.04	0.22	34.96
20-Jun-07	0.13	22.75	0.21	36.12
21-Jun-07	0.12	22.59	0.19	35.69
22-Jun-07	0.12	22.78	0.19	36.24
25-Jun-07	0.11	22.10	0.18	35.16
26-Jun-07	0.13	21.99	0.21	34.97
27-Jun-07	0.13	22.30	0.21	35.79
28-Jun-07	0.14	23.15	0.22	36.75
29-Jun-07	0.13	23.21	0.21	37.05
02-Jul-07	0.14	22.62	0.22	35.87
03-Jul-07	0.13	22.10	0.21	35.19
04-Jul-07	0.13	22.02	0.21	34.95
05-Jul-07	0.14	22.37	0.22	35.51
06-Jul-07	0.15	22.78	0.24	36.17
09-Jul-07	0.14	21.98	0.22	34.82
10-Jul-07	0.14	21.89	0.22	34.88
11-Jul-07	0.14	21.55	0.22	34.37
12-Jul-07	0.13	20.70	0.21	32.96
13-Jul-07	0.13	20.82	0.21	33.00
16-Jul-07	0.13	19.78	0.21	31.27
17-Jul-07	0.14	20.11	0.22	31.75
18-Jul-07	0.13	19.86	0.20	31.23
19-Jul-07	0.12	20.29	0.19	31.83
20-Jul-07	0.13	20.54	0.20	32.28
23-Jul-07	0.12	20.17	0.19	31.52
24-Jul-07	0.12	20.27	0.19	31.77
25-Jul-07	0.12	20.94	0.19	32.51
26-Jul-07	0.12	21.04	0.19	33.18
27-Jul-07	0.12	21.22	0.19	33.96
30-Jul-07	0.11	21.83	0.18	34.96
31-Jul-07	0.12	22.11	0.19	35.54

01-Aug-07	0.11	21.47	0.18	34.42
02-Aug-07	0.09	21.69	0.14	34.63
03-Aug-07	0.09	21.41	0.15	34.50
06-Aug-07	0.09	20.62	0.14	33.12
07-Aug-07	0.09	21.04	0.14	33.77
08-Aug-07	0.10	20.94	0.16	33.51
09-Aug-07	0.10	20.69	0.16	33.28
10-Aug-07	0.10	20.08	0.16	32.55
13-Aug-07	0.10	20.59	0.16	33.25
14-Aug-07	0.11	20.50	0.18	33.24
15-Aug-07	0.11	20.81	0.18	34.09
16-Aug-07	0.11	20.50	0.19	34.75
17-Aug-07	0.11	20.62	0.19	34.86
20-Aug-07	0.11	20.50	0.18	34.26
21-Aug-07	0.11	20.71	0.18	34.80
22-Aug-07	0.11	20.27	0.18	34.02
23-Aug-07	0.11	20.55	0.18	33.98
24-Aug-07	0.11	20.36	0.18	33.66
27-Aug-07	0.11	20.11	0.18	33.10
28-Aug-07	0.11	20.99	0.18	34.99
29-Aug-07	0.10	21.40	0.17	35.62
30-Aug-07	0.11	20.87	0.18	34.91
31-Aug-07	0.10	20.89	0.17	34.76
03-Sep-07	0.10	21.27	0.17	35.30
04-Sep-07	0.10	22.39	0.17	36.95
05-Sep-07	0.10	21.75	0.17	36.08
06-Sep-07	0.10	22.03	0.17	36.36
07-Sep-07	0.10	21.97	0.17	36.57
10-Sep-07	0.09	21.81	0.15	36.46
11-Sep-07	0.08	22.27	0.13	36.91
12-Sep-07	0.09	22.60	0.15	37.28
13-Sep-07	0.07	22.04	0.12	36.37
14-Sep-07	0.07	22.17	0.12	36.50
17-Sep-07	0.07	21.95	0.12	36.57
18-Sep-07	0.06	22.09	0.10	36.25
19-Sep-07	0.08	22.52	0.13	36.72
20-Sep-07	0.08	22.90	0.13	37.37
21-Sep-07	0.08	22.99	0.13	37.44
24-Sep-07	0.08	22.98	0.13	37.28
25-Sep-07	0.08	22.59	0.13	36.58
26-Sep-07	0.08	22.47	0.13	36.24
27-Sep-07	0.08	22.77	0.13	36.57
28-Sep-07	0.08	22.85	0.13	36.69
01-Oct-07	0.07	22.84	0.11	36.35
02-Oct-07	0.08	22.99	0.13	36.78
03-Oct-07	0.07	22.74	0.11	36.32
04-Oct-07	0.07	23.03	0.11	36.66
05-Oct-07	0.11	23.05	0.17	36.28
08-Oct-07	0.07	23.08	0.11	36.31
09-Oct-07	0.07	23.15	0.11	36.30
10-Oct-07	0.07	23.71	0.11	37.37
11-Oct-07	0.07	23.85	0.11	37.59
12-Oct-07	0.07	23.87	0.11	37.43
15-Oct-07	0.07	24.04	0.11	38.01
16-Oct-07	0.07	24.25	0.11	38.74
17-Oct-07	0.07	24.44	0.11	38.99
18-Oct-07	0.07	24.28	0.11	38.74
19-Oct-07	0.07	24.02	0.11	38.51
22-Oct-07	0.07	23.56	0.11	37.75
23-Oct-07	0.07	23.74	0.11	37.70
24-Oct-07	0.07	23.95	0.11	37.88
25-Oct-07	0.07	24.25	0.11	38.23
26-Oct-07	0.07	24.16	0.11	37.86
29-Oct-07	0.07	24.33	0.11	38.10
30-Oct-07	0.07	23.60	0.11	37.00
31-Oct-07	0.09	23.70	0.14	36.81
01-Nov-07	0.08	23.12	0.13	36.41
02-Nov-07	0.08	22.92	0.13	36.09
05-Nov-07	0.07	22.89	0.11	36.01
06-Nov-07	0.07	22.86	0.11	35.92
07-Nov-07	0.10	23.00	0.16	36.19
08-Nov-07	0.11	23.01	0.17	36.52
09-Nov-07	0.10	23.20	0.16	37.19

12-Nov-07	0.10	23.29	0.16	38.35
13-Nov-07	0.10	23.72	0.16	38.88
14-Nov-07	0.09	24.44	0.15	39.85
15-Nov-07	0.09	24.07	0.15	39.61
16-Nov-07	0.08	24.04	0.13	39.52
19-Nov-07	0.08	24.29	0.13	40.26
20-Nov-07	0.07	25.27	0.12	42.33
21-Nov-07	0.07	25.17	0.12	42.81
22-Nov-07	0.08	25.15	0.14	42.88
23-Nov-07	0.08	25.16	0.14	42.62
26-Nov-07	0.07	25.28	0.12	42.97
27-Nov-07	0.07	24.98	0.12	42.39
28-Nov-07	0.07	24.76	0.12	41.28
29-Nov-07	0.04	24.18	0.07	40.52
30-Nov-07	0.01	23.83	0.02	39.60
03-Dec-07	0.03	24.45	0.05	40.69
04-Dec-07	0.03	24.92	0.05	42.07
05-Dec-07	0.03	24.32	0.05	40.87
06-Dec-07	0.03	24.27	0.05	40.60
07-Dec-07	0.03	23.79	0.05	39.70
10-Dec-07	0.03	23.90	0.05	39.76
11-Dec-07	0.03	23.99	0.05	39.71
12-Dec-07	0.03	24.16	0.05	40.23
13-Dec-07	0.03	24.28	0.05	40.50
14-Dec-07	0.03	24.11	0.05	40.33
17-Dec-07	0.01	23.80	0.02	39.89
18-Dec-07		24.07		40.40
19-Dec-07		23.95		40.10
20-Dec-07		23.78		39.74
21-Dec-07		23.46		38.89
24-Dec-07		23.48		38.83
27-Dec-07		23.36		38.93
28-Dec-07		23.67		39.85
31-Dec-07		23.89		39.78
02-Jan-08		24.42		40.75
03-Jan-08		25.04		41.90
04-Jan-08		25.04		42.31
07-Jan-08		25.16		42.48
08-Jan-08		25.20		41.95
09-Jan-08		24.92		41.53
10-Jan-08		24.61		40.73
11-Jan-08		24.55		40.73
14-Jan-08		24.89		41.24
15-Jan-08		24.66		41.12
16-Jan-08		24.23		40.44
17-Jan-08		23.66		39.38
18-Jan-08		23.72		39.48
21-Jan-08		22.26		37.33
22-Jan-08		21.74		36.54
23-Jan-08		21.45		36.05
24-Jan-08		21.17		35.52
25-Jan-08		22.44		37.45
28-Jan-08		22.06		36.77
29-Jan-08		22.11		36.79
30-Jan-08		21.50		35.77
31-Jan-08		20.52		33.96
01-Feb-08		20.62		33.85
04-Feb-08		20.60		33.62
05-Feb-08		20.26		33.07
06-Feb-08		21.42		34.95
07-Feb-08		21.86		35.37
08-Feb-08		21.86		35.43
11-Feb-08		21.62		34.70
12-Feb-08		21.46		34.60
13-Feb-08		21.42		34.92
14-Feb-08		22.22		35.99
15-Feb-08		22.38		36.18
18-Feb-08		22.44		36.02
19-Feb-08		23.17		37.04
20-Feb-08		23.02		36.88
21-Feb-08		23.24		37.45
22-Feb-08		23.02		37.01
25-Feb-08		23.12		37.08

26-Feb-08	22.90		36.72	
27-Feb-08	22.84		36.69	
28-Feb-08	22.73		36.42	
29-Feb-08	22.93		37.25	
03-Mar-08	22.52		36.40	
04-Mar-08	22.34		36.81	
05-Mar-08	22.94		37.61	
06-Mar-08	23.04		38.16	
07-Mar-08	23.08		38.13	
10-Mar-08	23.47		39.23	
11-Mar-08	23.57		39.00	
12-Mar-08	23.67		39.27	
13-Mar-08	24.29		40.02	
14-Mar-08	23.97	15.39	40.07	25.73
17-Mar-08	23.11	14.83	39.58	25.39
18-Mar-08	23.39	15.04	39.57	25.45
19-Mar-08	23.30	14.99	39.72	25.56
20-Mar-08	23.72	15.35	40.67	26.32
25-Mar-08	24.30	15.73	41.36	26.77
26-Mar-08	24.25	15.66	41.76	26.97
27-Mar-08	23.99	15.57	41.12	26.69
28-Mar-08	23.47	15.31	40.36	26.33
31-Mar-08	23.99	15.54	41.44	26.85
01-Apr-08	24.25	15.61	41.77	26.89
02-Apr-08	25.14	16.12	43.12	27.64
03-Apr-08	25.22	16.15	43.12	27.61
04-Apr-08	25.07	16.13	42.72	27.49
07-Apr-08	25.59	16.15	43.37	27.38
08-Apr-08	25.30	16.00	42.71	27.02
09-Apr-08	25.48	15.99	43.41	27.25
10-Apr-08	26.21	16.39	44.25	27.66
11-Apr-08	26.15	16.29	44.49	27.72
14-Apr-08	26.78	16.49	45.77	28.18
15-Apr-08	26.93	16.46	45.99	28.12
16-Apr-08	26.60	16.35	45.15	27.75
17-Apr-08	26.51	16.33	44.97	27.70
18-Apr-08	26.33	16.25	44.54	27.49
21-Apr-08	27.09	16.38	45.75	27.66
22-Apr-08	27.17	16.38	45.97	27.71
23-Apr-08	26.81	16.23	44.85	27.16
24-Apr-08	26.29	16.11	43.84	26.86
25-Apr-08	26.56	16.19	44.42	27.07
28-Apr-08	26.46	16.15	44.11	26.92
29-Apr-08	26.02	16.17	43.36	26.94
30-Apr-08	25.73	16.31	42.60	27.01
01-May-08	25.38	16.14	41.99	26.70
02-May-08	26.22	16.38	43.16	26.96
06-May-08	27.14	16.61	44.33	27.46
07-May-08	26.85	16.63	43.88	27.19
08-May-08	26.71	16.83	43.56	27.45
09-May-08	26.98	17.15	44.27	28.14
12-May-08	27.20	17.21	44.62	28.23
13-May-08	26.83	17.34	44.11	28.51
14-May-08	26.24	17.05	43.42	28.21
15-May-08	26.46	17.13	43.44	28.12
16-May-08	26.64	17.18	43.50	28.04
19-May-08	27.05	17.18	43.99	27.95
20-May-08	27.10	17.19	44.30	28.10
21-May-08	27.48	17.37	45.07	28.48
22-May-08	27.82	17.42	45.74	28.64
23-May-08	27.85	17.43	45.73	28.62
26-May-08	27.79	17.50	45.61	28.72
27-May-08	28.04	17.65	45.89	28.89
28-May-08	27.85	17.58	45.26	28.56
29-May-08	28.23	17.70	45.74	28.68
30-May-08	27.77	17.80	45.17	28.95
02-Jun-08	28.01	17.81	45.58	28.98
03-Jun-08	28.83	18.91	46.82	30.72
04-Jun-08	28.29	18.76	45.63	30.26
05-Jun-08	28.17	18.97	45.84	30.86
06-Jun-08	29.32	19.51	48.02	31.95
09-Jun-08	29.27	19.48	48.17	32.06
10-Jun-08	28.99	19.58	47.36	31.97

11-Jun-08	29.11	19.79	47.81	32.49
12-Jun-08	28.95	19.65	47.77	32.41
13-Jun-08	28.80	19.76	47.12	32.34
16-Jun-08	28.93	19.81	47.60	32.59
17-Jun-08	29.03	19.92	47.69	32.73
18-Jun-08	29.33	20.03	48.12	32.87
19-Jun-08	29.56	20.20	48.17	32.91
20-Jun-08	29.35	20.21	48.06	33.10
23-Jun-08	29.81	20.63	48.62	33.65
24-Jun-08	30.05	21.05	48.99	34.31
25-Jun-08	29.90	20.80	48.87	33.99
26-Jun-08	30.43	21.19	50.14	34.90
27-Jun-08	30.94	21.66	50.86	35.59
30-Jun-08	31.47	22.16	51.72	36.41
01-Jul-08	32.38	23.53	53.60	38.95
02-Jul-08	30.95	24.55	51.05	40.49
03-Jul-08	30.46	23.50	49.77	38.40
04-Jul-08	30.74	24.07	50.08	39.20
07-Jul-08	30.43	25.04	50.01	41.15
08-Jul-08	28.52	23.35	46.78	38.31
09-Jul-08	28.73	23.60	47.32	38.86
10-Jul-08	29.60	23.71	48.54	38.88
11-Jul-08	30.52	24.27	50.31	40.01
14-Jul-08	30.31	24.06	49.60	39.37
15-Jul-08	29.37	23.47	47.72	38.13
16-Jul-08	27.77	22.64	45.09	36.76
17-Jul-08	28.43	23.23	46.43	37.93
18-Jul-08	27.14	22.43	44.30	36.62
21-Jul-08	27.10	22.44	44.17	36.58
22-Jul-08	27.37	22.11	44.47	35.92
23-Jul-08	27.51	21.30	44.86	34.73
24-Jul-08	28.02	21.53	45.77	35.17
25-Jul-08	27.85	21.44	45.70	35.19
28-Jul-08	27.19	20.82	44.74	34.26
29-Jul-08	26.35	20.11	43.12	32.90
30-Jul-08	25.38	19.26	41.90	31.79
31-Jul-08	24.70	18.73	40.88	31.01
01-Aug-08	23.95	18.34	40.07	30.68
04-Aug-08	23.85	18.83	39.97	31.55
05-Aug-08	24.29	19.43	40.99	32.80
06-Aug-08	24.99	19.88	42.39	33.72
07-Aug-08	25.61	20.63	43.29	34.87
08-Aug-08	25.34	20.72	42.79	35.00
11-Aug-08	25.41	20.94	42.89	35.34
12-Aug-08	26.07	21.50	44.46	36.66
13-Aug-08	26.46	21.50	45.08	36.63
14-Aug-08	26.15	21.38	44.47	36.36
15-Aug-08	25.84	21.31	43.77	36.09
18-Aug-08	26.31	21.76	44.56	36.86
19-Aug-08	26.39	21.71	44.74	36.81
20-Aug-08	27.13	21.93	45.81	37.02
21-Aug-08	27.45	22.06	46.45	37.33
22-Aug-08	27.32	21.93	46.56	37.38
25-Aug-08	27.18	21.99	46.43	37.57
26-Aug-08	27.45	22.14	46.98	37.89
27-Aug-08	27.88	22.22	47.80	38.10
28-Aug-08	27.92	22.30	47.63	38.03
29-Aug-08	27.90	22.44	47.66	38.33
01-Sep-08	27.66	22.26	47.49	38.22
02-Sep-08	27.38	21.78	47.36	37.67
03-Sep-08	27.13	21.70	47.07	37.64
04-Sep-08	27.34	21.89	47.53	38.06
05-Sep-08	27.08	21.48	47.40	37.60
08-Sep-08	26.81	21.38	46.38	36.98
09-Sep-08	25.42	20.39	44.80	35.93
10-Sep-08	25.31	20.23	44.25	35.37
11-Sep-08	25.59	20.22	44.54	35.19
12-Sep-08	26.41	20.94	45.62	36.17
15-Sep-08	25.54	20.48	45.25	36.29
16-Sep-08	25.40	20.34	44.86	35.93
17-Sep-08	25.79	20.51	46.50	36.99
18-Sep-08	26.33	20.95	47.02	37.40
19-Sep-08	27.25	21.87	47.25	37.92

22-Sep-08	27.41	21.82	47.87	38.11
23-Sep-08	27.53	21.63	48.34	37.98
24-Sep-08	27.00	21.04	47.36	36.91
25-Sep-08	26.92	20.72	47.10	36.25
26-Sep-08	26.83	20.27	47.19	35.66
29-Sep-08	25.50	19.07	45.89	34.31
30-Sep-08	24.66	19.13	43.91	34.07
01-Oct-08	25.20	19.69	44.78	34.99
02-Oct-08	25.49	20.03	45.49	35.75
03-Oct-08	25.41	19.71	45.19	35.05
06-Oct-08	24.36	18.99	46.67	36.37
07-Oct-08	24.33	19.32	46.39	36.83
08-Oct-08	23.83	19.24	48.22	38.94
09-Oct-08	24.62	20.03	48.25	39.26
10-Oct-08	23.99	19.50	50.17	40.77
13-Oct-08	24.55	19.93	48.77	39.59
14-Oct-08	24.96	20.29	48.77	39.64
15-Oct-08	24.55	19.93	49.25	39.99
16-Oct-08	23.94	19.30	46.93	37.82
17-Oct-08	23.74	19.17	45.97	37.11
20-Oct-08	23.84	18.82	45.25	35.73
21-Oct-08	23.19	18.09	44.45	34.67
22-Oct-08	21.85	16.69	41.80	31.93
23-Oct-08	21.96	17.02	43.13	33.42
24-Oct-08	20.87	16.07	42.37	32.62
27-Oct-08	19.31	15.12	39.84	31.20
28-Oct-08	19.01	15.25	37.63	30.17
29-Oct-08	19.85	15.77	38.24	30.38
30-Oct-08	19.61	15.64	37.32	29.76
31-Oct-08	19.41	15.55	37.01	29.63
03-Nov-08	19.72	15.65	36.77	29.17
04-Nov-08	20.45	16.25	38.16	30.33
05-Nov-08	20.09	15.78	37.70	29.62
06-Nov-08	19.74	15.70	37.66	29.95
07-Nov-08	20.29	16.19	38.30	30.55
10-Nov-08	20.22	16.26	38.46	30.94
11-Nov-08	19.70	15.92	37.58	30.37
12-Nov-08	19.58	16.04	38.34	31.40
13-Nov-08	19.51	16.05	38.05	31.30
14-Nov-08	19.08	15.71	36.85	30.33
17-Nov-08	18.77	15.26	36.34	29.55
18-Nov-08	18.33	14.89	35.59	28.90
19-Nov-08	18.10	14.78	35.14	28.69
20-Nov-08	16.51	13.30	33.44	26.93
21-Nov-08	16.66	13.90	33.62	28.06
24-Nov-08	17.55	14.49	34.90	28.82
25-Nov-08	17.49	14.20	35.13	28.51
26-Nov-08	17.26	14.12	34.18	27.96
27-Nov-08	18.08	14.49	35.29	28.28
28-Nov-08	17.29	14.14	33.52	27.43
01-Dec-08	17.27	14.48	33.73	28.29
02-Dec-08	17.11	14.35	34.00	28.50
03-Dec-08	16.92	14.27	33.33	28.11
04-Dec-08	16.52	13.90	32.76	27.57
05-Dec-08	15.32	13.01	30.46	25.86
08-Dec-08	16.09	13.38	31.43	26.13
09-Dec-08	15.89	13.14	31.20	25.80
10-Dec-08	16.04	13.20	31.76	26.13
11-Dec-08	16.65	13.40	32.86	26.44
12-Dec-08	16.57	13.53	33.62	27.44
15-Dec-08	16.95	13.74	34.82	28.21
16-Dec-08	16.90	13.78	34.44	28.09
17-Dec-08	16.85	13.86	34.44	28.34
18-Dec-08	16.66	13.50	34.06	27.60
19-Dec-08	16.65	13.45	33.83	27.31
22-Dec-08	16.99	13.47	34.46	27.31
23-Dec-08	16.75	13.40	34.33	27.46
24-Dec-08	16.67	13.29	34.18	27.24
29-Dec-08	16.78	13.36	34.17	27.20
30-Dec-08	16.98	13.60	34.67	27.78
31-Dec-08	16.85	13.78	33.27	27.20
02-Jan-09	16.50	13.42	32.34	26.29
05-Jan-09	16.33	13.46	30.97	25.52

06-Jan-09	16.61	13.64	30.99	25.45
07-Jan-09	16.36	13.51	31.30	25.84
08-Jan-09	15.64	12.90	30.23	24.93
09-Jan-09	15.29	12.56	29.16	23.95
12-Jan-09	14.70	12.41	28.68	24.20
13-Jan-09	14.52	12.29	28.90	24.50
14-Jan-09	13.97	11.87	27.87	23.68
15-Jan-09	13.95	11.89	27.64	23.56
16-Jan-09	13.30	11.10	26.39	22.02
19-Jan-09	12.31	10.10	24.05	19.73
20-Jan-09	12.24	10.04	24.20	19.86
21-Jan-09	12.20	10.13	24.02	19.95
22-Jan-09	12.32	10.22	24.32	20.16
23-Jan-09	12.31	10.11	24.33	19.98
26-Jan-09	12.76	10.56	25.40	21.02
27-Jan-09	12.57	10.39	25.03	20.68
28-Jan-09	12.39	10.30	24.41	20.29
29-Jan-09	12.51	10.44	24.79	20.69
30-Jan-09	12.49	10.52	25.13	21.15
02-Feb-09	11.96	10.16	24.31	20.65
03-Feb-09	11.25	9.83	22.45	19.62
04-Feb-09	11.03	9.69	21.93	19.27
05-Feb-09	10.79	9.57	21.17	18.77
06-Feb-09	10.66	9.39	20.43	17.99
09-Feb-09	10.64	9.34	20.37	17.89
10-Feb-09	9.89	8.70	19.49	17.15
11-Feb-09	9.03	7.81	17.80	15.38
12-Feb-09	8.74	7.55	17.26	14.90
13-Feb-09	9.26	8.06	18.10	15.77
16-Feb-09	9.02	7.91	17.74	15.55
17-Feb-09	9.27	8.14	18.30	16.07
18-Feb-09	10.30	8.98	20.27	17.66
19-Feb-09	11.55	9.97	22.65	19.56
20-Feb-09	10.68	9.00	21.19	17.85
23-Feb-09	10.31	8.72	20.37	17.22
24-Feb-09	10.07	8.39	19.90	16.58
25-Feb-09	10.50	8.86	20.69	17.48
26-Feb-09	11.43	9.61	22.37	18.80
27-Feb-09	10.92	9.02	21.53	17.79
02-Mar-09	10.92	9.38	21.71	18.65
03-Mar-09	11.89	10.10	23.31	19.81
04-Mar-09	12.60	10.73	24.52	20.87
05-Mar-09	12.60	10.52	24.77	20.66
06-Mar-09	11.79	10.18	23.34	20.15
09-Mar-09	12.70	10.82	25.31	21.56
10-Mar-09	13.06	11.23	25.73	22.12
11-Mar-09	12.82	10.89	25.30	21.49
12-Mar-09	13.11	11.08	25.86	21.85
13-Mar-09	13.56	11.46	26.61	22.49
16-Mar-09	13.86	11.74	27.21	23.04
17-Mar-09	14.300	12.030	28.13	23.66
18-Mar-09	13.713	11.553	27.14	22.87
19-Mar-09	12.845	10.910		
20-Mar-09	12.308	10.503		
23-Mar-09	13.065	11.095		
24-Mar-09	12.385	10.455		
25-Mar-09	11.715	9.863		
26-Mar-09	12.068	10.055		
27-Mar-09	12.343	10.350		
31-Mar-09	12.923	10.753		
2-Apr-09	13.225	10.800		
3-Apr-09	13.618	10.998		
6-Apr-09	13.765	10.730		
7-Apr-09	13.398	10.388		
8-Apr-09	13.886	10.576		
9-Apr-09	14.463	10.890		
14-Apr-09	15.375	11.150		
15-Apr-09	14.978	11.185		
16-Apr-09	14.980	11.223		
17-Apr-09	14.865	11.228		
20-Apr-09	14.145	11.078		
21-Apr-09	14.268	11.185		
22-Apr-09	14.645	11.340		

23-Apr-09	14.530	11.568
24-Apr-09	14.850	11.750
27-Apr-09	14.710	11.750
29-Apr-09	14.813	11.778
30-Apr-09	15.328	11.848
1-May-09	15.425	11.993
5-May-09	15.248	11.925
6-May-09	15.665	12.158
7-May-09	15.908	12.218
8-May-09	16.713	12.730
11-May-09	17.055	13.080
12-May-09	16.250	12.385
13-May-09	15.843	12.268
14-May-09	15.556	12.120
15-May-09	15.173	11.805
18-May-09	15.513	11.983
19-May-09	15.778	12.260
20-May-09	16.358	12.818
21-May-09	16.115	12.565
22-May-09	16.303	12.805
25-May-09	16.115	12.805
26-May-09	16.115	12.810
27-May-09	16.323	12.983
28-May-09	16.215	12.993
29-May-09	15.940	12.968
1-Jun-09	16.215	13.008
2-Jun-09	15.988	12.825
3-Jun-09	15.295	12.330
4-Jun-09	15.210	12.456
5-Jun-09	15.143	12.245
8-Jun-09	14.328	11.660
9-Jun-09	14.123	11.580
10-Jun-09	14.295	11.680
11-Jun-09	14.413	11.720
12-Jun-09	14.043	11.328
15-Jun-09	13.345	10.773
16-Jun-09	13.973	11.218
17-Jun-09	13.933	11.265
18-Jun-09	13.863	11.165
19-Jun-09	14.328	11.588
22-Jun-09	13.928	11.240
23-Jun-09	14.010	11.428
24-Jun-09	14.308	11.710
25-Jun-09	14.463	11.898
26-Jun-09	14.428	11.803
29-Jun-09	14.608	12.070
30-Jun-09	14.278	11.793
1-Jul-09	14.235	11.930
2-Jul-09	14.058	11.885
3-Jul-09	13.980	11.928
6-Jul-09	14.010	11.900
7-Jul-09	14.150	11.978
8-Jul-09	14.433	11.978
9-Jul-09	14.848	12.028
10-Jul-09	15.038	12.140
13-Jul-09	15.730	12.695
14-Jul-09	15.293	12.408
15-Jul-09	15.553	12.823
16-Jul-09	15.558	13.043
17-Jul-09	15.113	12.833
20-Jul-09	15.168	12.900
21-Jul-09	15.505	12.843
22-Jul-09	15.398	12.758
23-Jul-09	15.438	12.770
24-Jul-09	15.305	12.795
27-Jul-09	15.118	12.728
28-Jul-09	14.768	12.465
29-Jul-09	14.565	12.228
30-Jul-09	14.725	12.243
31-Jul-09	14.688	12.188
3-Aug-09	15.410	12.508
4-Aug-09	15.610	12.780
5-Aug-09	15.330	12.563

6-Aug-09	15.335	12.830
7-Aug-09	15.275	12.838
10-Aug-09	15.133	12.575
11-Aug-09	15.098	12.565
12-Aug-09	15.290	12.810
13-Aug-09	15.263	12.595
14-Aug-09	15.280	12.895
17-Aug-09	15.393	12.768
18-Aug-09	15.675	12.965
19-Aug-09	15.823	13.065
20-Aug-09	16.035	13.185
21-Aug-09	16.303	13.258
24-Aug-09	16.120	13.260
25-Aug-09	16.115	13.315
26-Aug-09	16.045	13.328
27-Aug-09	16.020	13.300
28-Aug-09	16.050	13.315
31-Aug-09	15.775	13.255
1-Sep-09	15.710	13.255
2-Sep-09	15.920	13.235
3-Sep-09	16.225	13.440
4-Sep-09	16.053	13.433
7-Sep-09	16.178	13.453
8-Sep-09	16.280	13.490
9-Sep-09	15.998	13.315
10-Sep-09	15.910	13.203
11-Sep-09	15.350	12.785
14-Sep-09	14.665	12.096
15-Sep-09	15.010	12.473
16-Sep-09	14.808	12.375
17-Sep-09	14.695	12.375
18-Sep-09	14.348	12.140
21-Sep-09	14.668	12.380
22-Sep-09	14.440	12.180
23-Sep-09	13.998	11.798
24-Sep-09	13.463	11.458
25-Sep-09	13.755	11.825
28-Sep-09	14.168	11.700
29-Sep-09	13.778	11.415
30-Sep-09	14.033	11.638

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EUA Dec09-12
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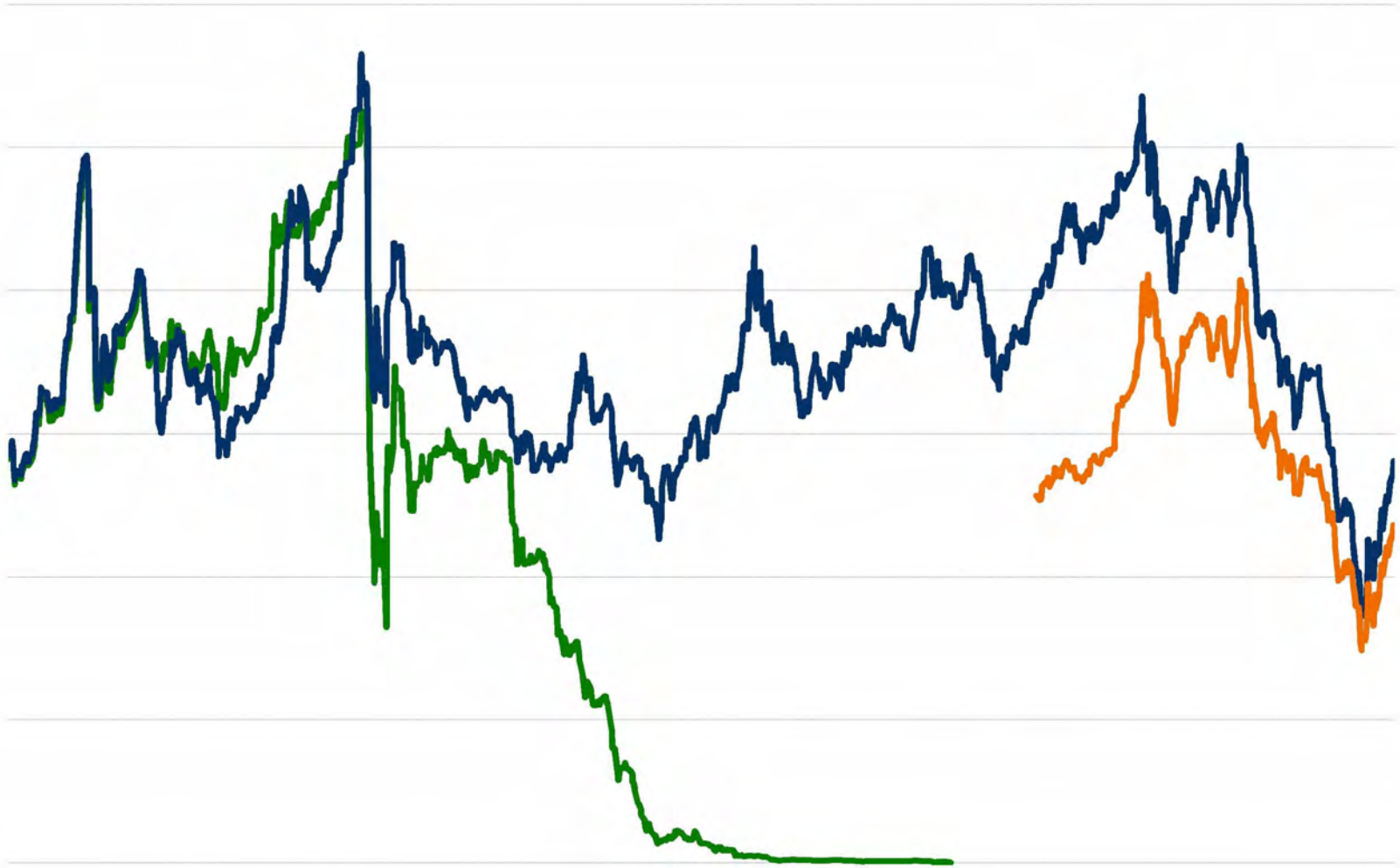

From: Ishwar Saini
To: mike.florio@cpuc.ca.gov
Sent: 5/19/2011 12:48:43 PM
Subject: Thank you.
Attachments: FIEG Presentation to CPUC Final.ppt

Commissioner Florio,

Thank you for your time on Tuesday, May 17, 2011 to discuss Risk management in California's renewable energy markets.

FIEG appreciates the opportunity and look forward to working with you and your team on some of the regulatory policy proceedings.

Attached is the final presentation for your records. Feel free to contact us for any questions.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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FIEG Presentation to CPUC

Comm. Florio and Comm. Ferron

May 17, 2011

Disclaimer

- Information presented here is meant to be informational and not necessarily accurate for all FIEG members.

FIEG

- Financial Institution Energy Group (FIEG) is comprised of investment and commercial banks
- Its members and their affiliates play a number of roles in California's wholesale power, natural gas, and renewable markets
- Members act as marketers, lenders, underwriters of debt and equity securities, and proprietary investors
- FERC has authorized FIEG's power-marketer members to sell energy, capacity, and AS at market based rates

FIEG Expertise

- FIEG members bring financial, physical, and risk management expertise to energy and environmental markets
- Active participants in global & national energy, renewable, and emissions markets
- Manage risk for clients in a dynamically changing regulatory and market environment
- Offerings with integrated energy, emissions, and financial products to clients

California's energy/environmental landscape

- Inherently complex with multiple regulatory institutions
- Markets are sensitive to respective regulatory policies, e.g.
  - CPUC's TREC decision
  - ARB Cap & Trade and Reporting regulations
  - CEC and REC eligibility
  - Legislative: RPS SB SBx1_2
- Regulatory policies have direct impact on investments, market prices, costs, and risk perception
- California markets remain a work in progress

Regulatory developments and risk assessment

- FIEG members monitor and manage regulatory and market risks
- Perceived high risk adds premium to deal prices with implications on liquidity, volatility, and potential investments
- On the contrary, reduced regulatory risk increases market liquidity and improves investment environment
- California's renewable energy markets are nascent and changing rapidly
  - High regulatory risk impedes both instate and out of state project financing
  - Creates reluctance for long term deal structures required for financing new infrastructure
  - Introduces uncertainties in grid operation planning, and market outcomes

Managing policy and regulatory risks

- Structured deals
- Project financing
  - Debt and equity
- Project development
- Regulatory advocacy and advisory
- Market liquidity
  - Trading and flow sales
  - Odd-lot liquidity

Typical examples of structured transactions

- Firming and shaping
- REC deals
- Carbon hedging
- Prepays
- Credit sleeves
- Tolling agreements
- PPAs
- Exhaustive/Dynamic contracts

Potential impact of regulatory policies

- Long term
  - Investments, risk, and returns in energy and environmental infrastructure
  - Long term hedging for both producers and consumers
- Medium term
  - Operational planning and policies
  - Impact on three to five year market environment
    - On most liquid term
  - Drives political and legislative initiatives
- Short term
  - Prices in regulatory driven markets (GHG allowances)
  - Impact on future price curves
  - Hedging costs and premiums

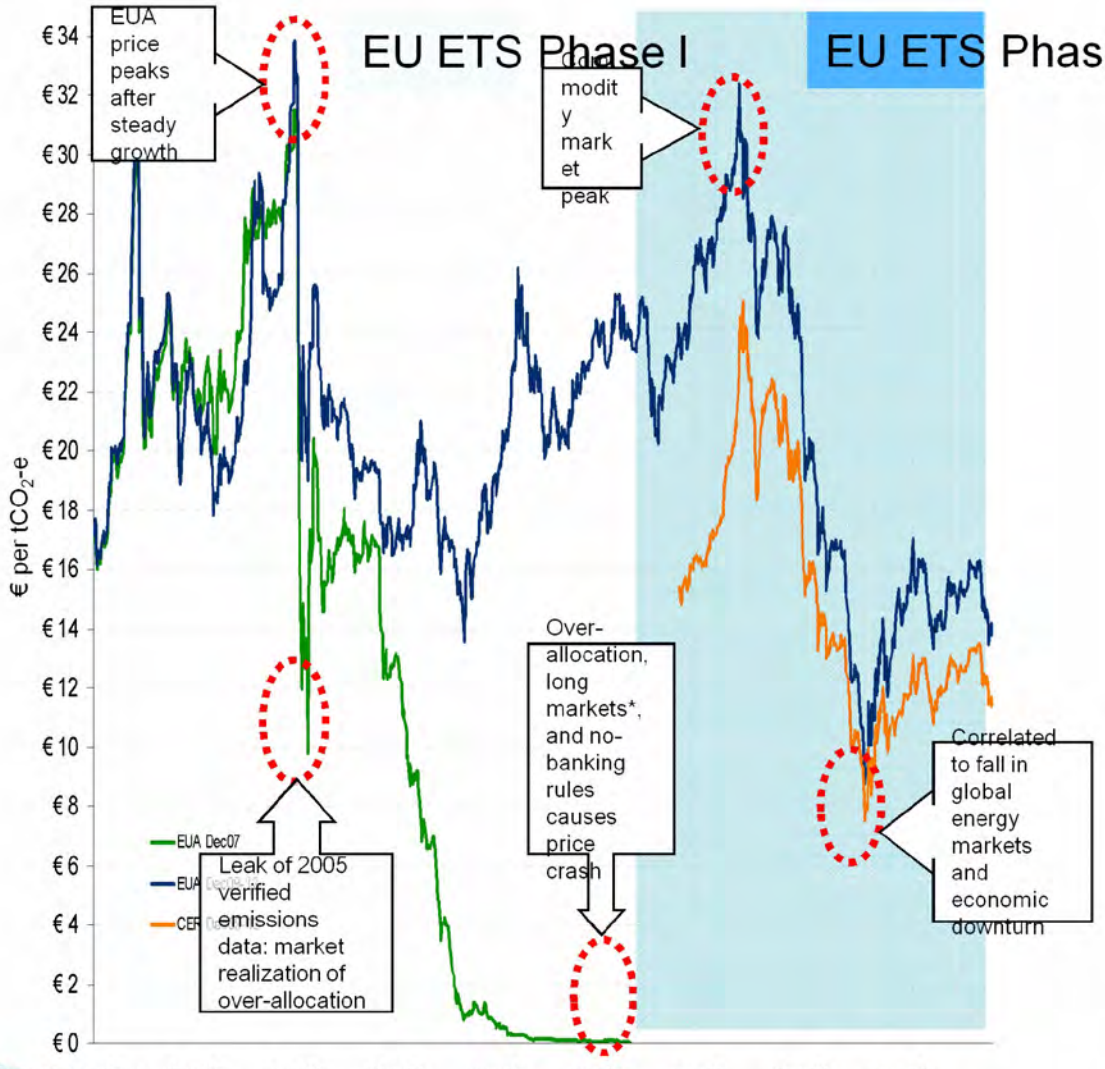
How regulatory policies impact markets?:
Forward Settled HR SP15 ONPEAK

Source: Intercontinental Exchange

Contd.. Impact of Allowance allocation on European Carbon ETS allowances

THE PRICE OF EUAs EXPERIENCED SIGNIFICANT VOLATILITY

Price evolution during the EU ETS has represented the market's view about the level of the carbon constraint, and the effort required to comply with it. It has interacted dynamically with fuel and weather markets, as well as expectations about economic growth.



Sources: ECX, Bloomberg

* Program created more allowances than there were actual emission

Recommendations

- Recommendations for nurturing renewables and environmental markets with manageable risk
  - Stable policies and rules
  - Non discriminatory regulations
  - Standardization of products and services
  - Market oriented regulatory environment
  - Integrated view of conventional power, renewables, and environmental markets
  - Effective end-user protection

FIEG members continue to add value

- FIEG members reduce risk, manage volatility, stabilize markets, and reduce costs for long terms benefits to ratepayers and consumers (e.g. providing quotes on large, small, or long-dated obligation hedges.)
- FIEG members bring national and international best industry practices to California's energy and environment industries
- In short, FIEG members manage risks in the renewable markets benefiting producers and consumers in the energy and environment value chain.

Latest date 3/18/2009

EUA

Date	Dec07	Dec08	Dec09	Dec10	Dec11	Dec12	EURAUD	EUR Avg	AUD Avg
22 Apr 05	16.95	17.00	17.05	17.10	17.15	17.20	1.67	17.08	28.50483
25 Apr 05	17.55	17.60	17.65	17.70	17.75	17.80	1.67	17.68	29.45995
26 Apr 05	17.20	17.25	17.30	17.35	17.40	17.45	1.67	17.33	28.88999
27 Apr 05	16.45	16.50	16.55	16.60	16.65	16.70	1.67	16.58	27.60976
28 Apr 05	16.00	16.10	16.10	16.15	16.20	16.25	1.65	16.13	26.69293
29 Apr 05	16.50	16.55	16.60	16.65	16.70	16.75	1.65	16.63	27.38149
03 May 05	16.25	16.30	16.35	16.40	16.45	16.50	1.66	16.38	27.25156
04 May 05	16.20	16.25	16.30	16.35	16.40	16.45	1.66	16.33	27.06684
05 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.66	16.73	27.74784
06 May 05	16.60	16.65	16.70	16.75	16.80	16.85	1.65	16.73	27.64018
09 May 05	17.00	17.05	17.10	17.15	17.20	17.25	1.66	17.13	28.48462
10 May 05	17.10	17.15	17.20	17.25	17.30	17.35	1.66	17.23	28.56019
11 May 05	16.90	16.95	17.00	17.05	17.10	17.15	1.65	17.03	28.14328
12 May 05	16.75	16.80	16.85	16.90	16.95	17.00	1.66	16.88	27.98616
13 May 05	16.80	17.00	17.05	17.10	17.15	17.20	1.66	17.05	28.28752
16 May 05	16.90	17.00	17.05	17.10	17.15	17.20	1.67	17.07	28.52631
17 May 05	17.20	17.40	17.45	17.50	17.55	17.60	1.67	17.45	29.09861
18 May 05	17.45	17.65	17.70	17.75	17.80	17.85	1.66	17.70	29.46153
19 May 05	18.00	18.10	18.15	18.20	18.25	18.30	1.67	18.17	30.28512
20 May 05	18.75	18.80	18.85	18.90	18.95	19.00	1.66	18.88	31.36366
23 May 05	18.50	18.75	18.80	18.90	19.00	19.10	1.66	18.84	31.20787
24 May 05	19.10	19.20	19.30	19.35	19.40	19.50	1.65	19.31	31.81261
25 May 05	19.95	20.00	20.05	20.10	20.15	20.20	1.65	20.08	33.18094
26 May 05	19.75	19.90	19.95	20.00	20.05	20.10	1.65	19.96	32.88223
27 May 05	19.65	19.85	19.90	19.95	20.00	20.05	1.65	19.90	32.78724
31 May 05	19.90	20.05	20.10	20.15	20.20	20.25	1.63	20.11	32.76718
01 Jun 05	19.60	19.70	19.75	19.80	19.85	19.90	1.63	19.77	32.23564
02 Jun 05	19.50	19.70	19.75	19.80	19.90	20.00	1.63	19.78	32.1553
03 Jun 05	19.10	19.35	19.45	19.50	19.60	19.65	1.62	19.44	31.41738
06 Jun 05	19.30	19.60	19.65	19.75	19.80	19.90	1.60	19.67	31.52403
07 Jun 05	19.60	19.90	20.00	20.10	20.20	20.30	1.60	20.02	31.98079
08 Jun 05	19.80	20.00	20.10	20.20	20.30	20.40	1.60	20.13	32.18545
09 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.67832
10 Jun 05	19.65	19.75	19.85	19.95	20.05	20.15	1.59	19.90	31.64802
13 Jun 05	19.85	20.15	20.25	20.30	20.40	20.45	1.59	20.23	32.18945
14 Jun 05	19.90	20.20	20.30	20.40	20.50	20.55	1.58	20.31	32.00852
15 Jun 05	20.10	20.20	20.30	20.40	20.50	20.60	1.57	20.35	32.01734
16 Jun 05	20.60	20.65	20.75	20.80	20.90	20.95	1.56	20.78	32.5092
17 Jun 05	21.50	21.60	21.70	21.80	21.90	22.00	1.58	21.75	34.34783
20 Jun 05	22.95	23.10	23.20	23.30	23.40	23.50	1.57	23.24	36.37411
21 Jun 05	23.00	23.20	23.30	23.45	23.55	23.70	1.56	23.37	36.44167
22 Jun 05	23.20	23.30	23.40	23.50	23.60	23.70	1.56	23.45	36.51245
23 Jun 05	23.40	23.50	23.65	23.75	23.90	24.00	1.56	23.70	36.92432
24 Jun 05	24.00	24.05	24.15	24.25	24.35	24.45	1.57	24.21	38.06438
27 Jun 05	23.95	24.05	24.15	24.25	24.35	24.45	1.58	24.20	38.24067
28 Jun 05	24.50	24.65	24.75	24.85	24.95	25.05	1.58	24.79	39.21032
29 Jun 05	25.45	25.60	25.75	25.85	25.00	26.15	1.58	25.80	40.86272
30 Jun 05	25.80	26.00	26.20	26.40	26.60	26.80	1.59	26.30	41.80991
01 Jul 05	26.90	27.10	27.25	27.40	27.55	27.70	1.59	27.32	43.49319
04 Jul 05	29.45	29.60	29.70	29.85	29.95	30.10	1.59	29.78	47.27397

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Date	Dec08	Dec09	Dec10	Dec11	Dec12	Mar09	EURAUD	EUR Avg	AUD Avg
3/14/2008	16.30	15.45	15.25	15.35	15.50		1.67	15.57	26.03379
3/17/2008	15.65	14.90	14.70	14.70	15.00		1.71	14.99	25.66958
3/18/2008	15.85	15.10	14.90	14.95	15.20		1.69	15.20	25.72161
3/19/2008	15.90	15.10	14.85	14.90	15.10		1.71	15.17	25.8667
3/20/2008	16.28	15.45	15.23	15.25	15.48		1.71	15.54	26.64257
3/25/2008	16.55	15.75	15.55	15.70	15.90		1.70	15.89	27.04941
3/26/2008	16.42	15.72	15.45	15.60	15.88		1.72	15.81	27.23427
3/27/2008	15.75	15.45	15.42	15.58	15.84		1.71	15.61	26.75535
3/28/2008	15.36	15.15	15.17	15.30	15.63		1.72	15.32	26.34654
3/31/2008	15.43	15.25	15.43	15.61	15.88		1.73	15.52	26.81391
4/1/2008	15.40	15.28	15.45	15.70	16.00		1.72	15.57	26.8197
4/2/2008	15.95	15.78	15.93	16.20	16.55		1.72	16.08	27.58416
4/3/2008	15.90	15.70	15.85	16.35	16.70		1.71	16.10	27.52225
4/4/2008	15.88	15.75	15.88	16.23	16.65		1.70	16.08	27.40592
4/7/2008	15.90	15.70	15.90	16.30	16.70		1.70	16.10	27.29241
4/8/2008	15.75	15.55	15.75	16.15	16.55		1.69	15.95	26.93378
4/9/2008	15.84	15.55	15.72	16.15	16.55		1.70	15.96	27.20175
4/10/2008	16.30	15.85	16.19	16.55	16.95		1.69	16.37	27.63277
4/11/2008	16.16	15.91	16.05	16.40	16.80		1.70	16.26	27.67633
4/14/2008	16.40	16.06	16.25	16.60	17.05		1.71	16.47	28.14984
4/15/2008	16.40	16.10	16.20	16.55	17.00		1.71	16.45	28.09772
4/16/2008	16.30	16.00	16.13	16.40	16.85		1.70	16.34	27.73363
4/17/2008	16.25	15.90	16.05	16.40	16.95		1.70	16.31	27.67039
4/18/2008	16.15	15.85	16.00	16.35	16.80		1.69	16.23	27.45695
4/21/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.63261
4/22/2008	16.30	15.95	16.10	16.50	16.95		1.69	16.36	27.68231
4/23/2008	16.08	15.83	15.95	16.35	16.80		1.67	16.20	27.1062
4/24/2008	16.00	15.68	15.90	16.21	16.65		1.67	16.09	26.82612
4/25/2008	16.00	15.70	16.00	16.30	16.75		1.67	16.15	27.01032
4/28/2008	15.95	15.70	15.95	16.25	16.70		1.67	16.11	26.85596
4/29/2008	15.97	15.72	15.97	16.27	16.72		1.67	16.13	26.87543
4/30/2008	16.07	15.90	16.25	16.45	16.85		1.66	16.26	26.92603
5/1/2008	16.04	15.63	15.88	16.33	16.70		1.65	16.12	26.66979
5/2/2008	16.40	16.05	16.20	16.45	16.80		1.65	16.38	26.96659
5/6/2008	16.85	16.50	16.65	16.85	17.25		1.63	16.82	27.47647
5/7/2008	16.59	16.26	16.41	16.61	17.25		1.63	16.62	27.1738
5/8/2008	16.61	16.40	16.60	16.90	17.42		1.63	16.79	27.37368
5/9/2008	16.89	16.70	16.90	17.23	17.75		1.64	17.09	28.05398
5/12/2008	17.00	16.70	17.00	17.30	17.85		1.64	17.17	28.16368
5/13/2008	17.15	16.90	17.10	17.40	17.95		1.64	17.30	28.44445
5/14/2008	16.85	16.50	16.80	17.10	17.80		1.65	17.01	28.14505
5/15/2008	16.90	16.60	16.90	17.20	17.80		1.64	17.08	28.04444
5/16/2008	17.00	16.65	16.95	17.25	17.85		1.63	17.14	27.98424
5/19/2008	17.05	16.78	16.88	17.27	17.80		1.63	17.16	27.9045
5/20/2008	17.10	16.75	16.94	17.25	17.83		1.63	17.17	28.07314
5/21/2008	17.33	17.03	17.15	17.35	17.95		1.64	17.36	28.47143
5/22/2008	17.38	17.05	17.10	17.50	18.03		1.64	17.41	28.62782
5/23/2008	17.35	17.02	17.20	17.50	18.00		1.64	17.41	28.59356
5/26/2008	17.28	17.00	17.30	17.55	18.15		1.64	17.46	28.65123
5/27/2008	17.60	17.25	17.35	17.65	18.35		1.64	17.64	28.86966

05 Jul 05	28.85	29.00	29.10	29.25	29.35	29.50	1.61	29.18	46.83225
06 Jul 05	29.30	29.55	29.70	29.85	30.00	30.15	1.61	29.76	47.89828
07 Jul 05	29.40	29.65	29.80	29.95	30.10	30.25	1.61	29.86	48.16323
08 Jul 05	29.70	30.00	30.20	30.40	30.60	30.80	1.61	30.28	48.82836
11 Jul 05	29.90	30.15	30.35	30.55	30.75	30.95	1.61	30.44	49.13565
12 Jul 05	29.45	29.65	29.80	29.95	30.10	30.25	1.62	29.87	48.27566
13 Jul 05	27.95	28.15	28.25	28.35	28.45	28.55	1.61	28.28	45.59051
14 Jul 05	24.00	24.15	24.30	24.45	24.60	24.75	1.61	24.38	39.16499
15 Jul 05	24.30	24.50	24.65	24.85	25.00	25.20	1.61	24.75	39.74165
18 Jul 05	24.70	25.00	25.05	25.10	25.15	25.20	1.60	25.03	40.04043
19 Jul 05	24.55	24.70	24.80	24.90	25.00	25.05	1.60	24.83	39.7747
20 Jul 05	20.90	21.25	21.45	21.65	21.85	22.05	1.61	21.53	34.5981
21 Jul 05	20.35	20.60	20.85	21.10	21.30	21.55	1.59	20.96	33.31636
22 Jul 05	20.10	20.25	20.35	20.40	20.50	20.55	1.58	20.36	32.13624
25 Jul 05	20.15	20.40	20.55	20.75	20.90	21.10	1.58	20.64	32.64407
26 Jul 05	20.80	21.00	21.20	21.40	21.60	21.80	1.58	21.30	33.75073
27 Jul 05	22.05	22.25	22.40	22.50	22.65	22.75	1.60	22.43	35.81247
28 Jul 05	22.05	22.25	22.35	22.50	22.60	22.75	1.60	22.42	35.80124
29 Jul 05	22.35	22.55	22.70	22.90	23.05	23.25	1.60	22.80	36.49642
01 Aug 05	21.45	21.65	21.80	22.00	22.20	22.40	1.60	21.92	35.04349
02 Aug 05	20.70	20.95	21.05	21.10	21.20	21.25	1.59	21.04	33.52246
03 Aug 05	20.70	20.90	21.10	21.30	21.50	21.70	1.60	21.20	33.86237
04 Aug 05	20.50	20.70	20.90	21.10	21.30	21.50	1.60	21.00	33.64283
05 Aug 05	21.25	21.45	21.55	21.70	21.80	21.95	1.61	21.62	34.75114
08 Aug 05	21.75	21.95	22.05	22.20	22.30	22.45	1.62	22.12	35.74664
09 Aug 05	22.45	22.65	22.75	22.90	23.00	23.15	1.62	22.82	37.07299
10 Aug 05	22.45	22.60	22.80	22.95	23.15	23.30	1.62	22.88	36.95691
11 Aug 05	22.55	22.85	23.05	23.25	23.45	23.65	1.61	23.13	37.20048
12 Aug 05	22.80	23.00	23.10	23.20	23.30	23.40	1.61	23.13	37.21915
15 Aug 05	22.40	22.60	22.75	22.90	23.05	23.20	1.61	22.82	36.70811
16 Aug 05	22.45	22.65	22.80	22.95	23.10	23.25	1.61	22.87	36.72297
17 Aug 05	22.80	23.00	23.15	23.35	23.50	23.70	1.61	23.25	37.48636
18 Aug 05	22.75	22.95	23.05	23.25	23.45	23.65	1.62	23.18	37.48815
19 Aug 05	22.90	23.05	23.20	23.30	23.45	23.55	1.62	23.24	37.61642
22 Aug 05	23.05	23.25	23.40	23.55	23.70	23.85	1.62	23.47	38.01957
23 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	37.94946
24 Aug 05	23.10	23.25	23.40	23.50	23.65	23.75	1.62	23.44	38.05781
25 Aug 05	23.35	23.50	23.60	23.70	23.80	23.90	1.62	23.64	38.28517
30 Aug 05	23.65	23.85	24.05	24.20	24.40	24.55	1.63	24.12	39.39254
31 Aug 05	23.95	24.10	24.25	24.40	24.55	24.70	1.64	24.33	39.78545
01 Sep 05	24.40	24.60	24.75	24.90	25.05	25.20	1.64	24.82	40.66722
02 Sep 05	24.75	24.90	25.05	25.20	25.35	25.50	1.64	25.13	41.14481
05 Sep 05	24.75	24.95	25.10	25.25	25.40	25.55	1.63	25.17	41.09002
06 Sep 05	24.65	24.80	24.95	25.05	25.20	25.30	1.62	24.99	40.57035
07 Sep 05	24.70	24.90	25.00	25.15	25.30	25.45	1.62	25.08	40.65114
08 Sep 05	24.35	24.45	24.55	24.65	24.75	24.85	1.60	24.60	39.45955
09 Sep 05	23.75	23.90	24.00	24.15	24.25	24.40	1.60	24.08	38.57365
12 Sep 05	22.25	22.40	22.50	22.60	22.70	22.80	1.60	22.54	35.96014
13 Sep 05	21.75	21.85	21.95	22.05	22.15	22.25	1.60	22.00	35.11667
14 Sep 05	22.45	22.45	22.55	22.65	22.75	22.85	1.59	22.62	36.00218
15 Sep 05	22.70	22.65	22.80	22.90	23.00	23.10	1.59	22.86	36.44426
16 Sep 05	22.05	22.10	22.20	22.30	22.40	22.50	1.59	22.26	35.46713
19 Sep 05	22.60	22.70	22.80	22.90	23.00	23.10	1.58	22.85	36.19789
20 Sep 05	22.05	21.95	22.25	22.35	22.45	22.55	1.58	22.27	35.22094
21 Sep 05	22.00	20.50	20.65	20.75	20.85	21.00	1.58	20.96	33.20776
22 Sep 05	22.30	20.50	20.60	20.70	20.80	20.90	1.59	20.97	33.39308
23 Sep 05	22.05	19.00	19.15	19.30	19.45	19.60	1.59	19.76	31.41937
26 Sep 05	21.60	18.50	18.65	18.80	18.95	19.10	1.59	19.27	30.72641
27 Sep 05	22.05	19.05	19.15	19.25	19.35	19.45	1.59	19.72	31.32357
28 Sep 05	22.75	20.00	20.10	20.20	20.30	20.40	1.59	20.63	32.70742
29 Sep 05	22.90	20.00	20.10	20.20	20.30	20.40	1.58	20.65	32.68765
30 Sep 05	22.85	20.35	20.45	20.55	20.65	20.75	1.58	20.93	32.99531
03 Oct 05	22.75	20.70	20.70	20.80	20.90	21.00	1.56	21.14	32.98707
04 Oct 05	23.30	21.55	21.65	21.75	21.85	21.95	1.56	22.01	34.33943
05 Oct 05	23.80	22.00	22.05	22.10	22.15	22.20	1.58	22.38	35.3851

5/28/2008	17.65	17.20	17.30	17.60	18.20		1.63	17.59	28.58861
5/29/2008	17.83	17.38	17.41	17.75	18.25		1.62	17.72	28.72153
5/30/2008	17.85	17.45	17.50	17.85	18.40		1.63	17.81	28.96706
6/2/2008	17.93	17.45	17.51	17.87	18.41		1.63	17.83	29.0184
6/3/2008	19.04	18.55	18.60	19.00	19.50		1.62	18.94	30.76058
6/4/2008	19.15	18.60	18.50	18.80	19.15		1.61	18.84	30.38534
6/5/2008	19.45	18.85	18.73	18.90	19.40		1.63	19.07	31.0202
6/6/2008	20.38	19.57	19.35	19.30	19.80		1.64	19.68	32.23193
6/9/2008	20.33	19.50	19.30	19.40	19.73		1.65	19.65	32.34236
6/10/2008	20.15	19.55	19.40	19.55	19.80		1.63	19.69	32.16084
6/11/2008	20.20	19.69	19.60	19.75	20.10		1.64	19.87	32.63062
6/12/2008	20.10	19.50	19.50	19.63	19.95		1.65	19.74	32.56302
6/13/2008	20.15	19.65	19.60	19.75	20.05		1.64	19.84	32.4627
6/16/2008	20.20	19.70	19.65	19.80	20.10		1.65	19.89	32.72161
6/17/2008	20.29	19.84	19.75	19.90	20.20		1.64	20.00	32.85379
6/18/2008	20.43	20.06	19.90	19.91	20.26		1.64	20.11	33.0012
6/19/2008	20.43	20.19	20.05	20.10	20.45		1.63	20.24	32.98684
6/20/2008	20.21	20.23	20.06	20.16	20.40		1.64	20.21	33.09493
6/23/2008	20.35	20.42	20.50	20.62	20.98		1.63	20.57	33.56139
6/24/2008	20.41	20.68	20.85	21.10	21.55		1.63	20.92	34.10699
6/25/2008	20.10	20.40	20.60	20.85	21.35		1.63	20.66	33.76282
6/26/2008	20.32	20.71	20.97	21.28	21.78		1.65	21.01	34.61987
6/27/2008	20.57	21.04	21.34	21.81	22.43		1.64	21.44	35.23612
6/30/2008	20.90	21.47	21.80	22.35	23.00		1.64	21.90	35.99344
7/1/2008	21.91	22.64	23.09	23.73	24.67		1.66	23.21	38.4178
7/2/2008	22.34	23.37	24.05	24.91	25.85		1.65	24.10	39.76223
7/3/2008	21.30	22.25	22.92	23.89	24.93		1.63	23.06	37.6827
7/4/2008	21.90	22.83	23.50	24.45	25.48		1.63	23.63	38.49733
7/7/2008	22.94	23.88	24.51	25.42	26.34		1.64	24.62	40.45862
7/8/2008	21.54	22.23	22.82	23.70	24.65		1.64	22.99	37.71421
7/9/2008	21.80	22.49	23.05	23.85	24.99		1.65	23.24	38.27205
7/10/2008	22.05	22.65	23.16	24.03	25.01		1.64	23.38	38.3362
7/11/2008	22.54	23.29	23.70	24.59	25.50		1.65	23.92	39.43592
7/14/2008	22.45	23.10	23.55	24.30	25.30		1.64	23.74	38.84246
7/15/2008	21.95	22.64	22.94	23.70	24.60		1.62	23.17	37.63347
7/16/2008	21.25	21.90	22.24	22.80	23.63		1.62	22.36	36.30827
7/17/2008	21.85	22.50	22.85	23.35	24.21		1.63	22.95	37.48021
7/18/2008	21.11	21.76	22.04	22.54	23.39		1.63	22.17	36.18428
7/21/2008	21.10	21.78	22.06	22.54	23.38		1.63	22.17	36.14461
7/22/2008	20.80	21.47	21.74	22.24	22.99		1.62	21.85	35.49862
7/23/2008	20.03	20.67	20.94	21.41	22.18		1.63	21.05	34.31557
7/24/2008	20.27	20.93	21.16	21.61	22.40		1.63	21.27	34.75638
7/25/2008	20.12	20.84	21.14	21.52	22.26		1.64	21.18	34.75286
7/28/2008	19.52	20.24	20.51	20.97	21.56		1.65	20.56	33.82917
7/29/2008	18.95	19.56	19.81	20.21	20.85		1.64	19.88	32.52062
7/30/2008	18.25	18.87	19.05	19.30	19.80		1.65	19.05	31.4569
7/31/2008	17.72	18.31	18.48	18.83	19.30		1.66	18.53	30.67213
8/1/2008	17.44	18.03	18.10	18.44	18.90		1.67	18.16	30.38285
8/4/2008	18.14	18.64	18.70	18.88	19.08		1.68	18.69	31.32222
8/5/2008	18.60	19.16	19.19	19.53	19.84		1.69	19.26	32.5153
8/6/2008	18.59	19.25	19.49	20.04	20.74		1.70	19.62	33.2857
8/7/2008	19.20	19.94	20.20	20.77	21.59		1.69	20.34	34.38914
8/8/2008	19.27	20.02	20.34	20.89	21.64		1.69	20.43	34.50889
8/11/2008	19.45	20.22	20.54	21.09	21.90		1.69	20.64	34.83617
8/12/2008	19.96	20.76	21.10	21.68	22.44		1.71	21.19	36.13817
8/13/2008	19.85	20.68	21.13	21.69	22.50		1.70	21.17	36.0658
8/14/2008	19.71	20.54	21.00	21.60	22.39		1.70	21.05	35.79099
8/15/2008	19.67	20.48	20.93	21.51	22.31		1.69	20.98	35.53797
8/18/2008	20.14	20.96	21.37	21.95	22.77		1.69	21.44	36.31248
8/19/2008	20.11	20.91	21.32	21.90	22.71		1.70	21.39	36.27181
8/20/2008	20.32	21.13	21.54	22.11	22.93		1.69	21.61	36.47898
8/21/2008	20.45	21.25	21.68	22.24	23.07		1.69	21.74	36.78447
8/22/2008	20.34	21.13	21.55	22.10	22.94		1.70	21.61	36.83896
8/25/2008	20.40	21.20	21.60	22.15	23.00		1.71	21.67	37.02394
8/26/2008	20.56	21.36	21.76	22.29	23.13		1.71	21.82	37.34895

06 Oct 05	23.60	22.55	22.60	22.65	22.70	22.75	1.61	22.81	36.61587
07 Oct 05	23.05	21.90	22.00	22.05	22.10	22.20	1.60	22.22	35.59438
10 Oct 05	23.05	22.25	22.60	22.70	22.80	22.90	1.59	22.72	36.11506
11 Oct 05	23.15	22.40	22.45	22.60	22.75	22.90	1.59	22.71	36.18844
12 Oct 05	23.50	22.70	22.80	22.95	23.10	23.25	1.59	23.05	36.68919
13 Oct 05	23.45	22.85	23.05	23.20	23.35	23.50	1.60	23.23	37.20257
14 Oct 05	23.05	22.30	22.50	22.70	22.90	23.10	1.61	22.76	36.55253
17 Oct 05	23.10	22.70	22.80	22.90	23.00	23.10	1.60	22.93	36.79777
18 Oct 05	22.85	22.40	22.45	22.50	22.55	22.60	1.60	22.56	36.05531
19 Oct 05	22.40	22.00	22.15	22.30	22.45	22.60	1.60	22.32	35.64923
20 Oct 05	22.10	21.50	21.65	21.80	21.95	22.10	1.60	21.85	34.89308
21 Oct 05	21.80	21.30	21.45	21.60	21.75	21.90	1.60	21.63	34.53276
24 Oct 05	21.45	20.75	20.85	20.95	21.05	21.15	1.60	21.03	33.57403
25 Oct 05	21.40	20.90	21.00	21.10	21.20	21.30	1.60	21.15	33.80913
26 Oct 05	21.65	20.55	20.70	20.85	21.00	21.15	1.60	20.98	33.55394
27 Oct 05	21.85	21.00	21.10	21.20	21.30	21.40	1.60	21.31	34.14837
28 Oct 05	22.10	21.10	21.20	21.30	21.40	21.50	1.61	21.43	34.47765
31 Oct 05	21.90	21.25	21.35	21.45	21.55	21.65	1.60	21.53	34.5245
01 Nov 05	21.75	20.20	20.45	20.65	20.90	21.10	1.61	20.84	33.57086
02 Nov 05	21.35	20.15	20.35	20.50	20.70	20.90	1.62	20.66	33.56716
03 Nov 05	21.25	19.50	19.65	19.85	20.00	20.15	1.62	20.07	32.45766
04 Nov 05	21.35	19.75	19.95	20.15	20.35	20.55	1.61	20.35	32.78807
07 Nov 05	21.60	19.90	20.10	20.30	20.50	20.70	1.61	20.52	33.01905
08 Nov 05	22.05	20.35	20.50	20.65	21.00	21.20	1.60	20.96	33.5975
09 Nov 05	22.50	20.35	20.40	20.50	20.65	20.80	1.60	20.87	33.30659
10 Nov 05	22.70	20.40	20.55	20.70	20.85	21.00	1.60	21.03	33.71661
11 Nov 05	22.70	20.25	20.40	20.60	20.80	21.00	1.60	20.96	33.47469
14 Nov 05	23.15	20.90	21.40	21.55	21.70	21.85	1.61	21.76	34.95272
15 Nov 05	22.90	20.55	20.65	20.80	20.95	21.10	1.60	21.16	33.81428
16 Nov 05	22.75	20.25	20.35	20.45	20.55	20.65	1.60	20.83	33.29859
17 Nov 05	22.45	20.05	20.15	20.25	20.35	20.45	1.60	20.62	32.96032
18 Nov 05	21.65	20.00	20.10	20.20	20.30	20.40	1.61	20.44	32.80906
21 Nov 05	21.70	19.25	19.35	19.45	19.55	19.65	1.59	19.83	31.57829
22 Nov 05	22.20	20.00	20.05	20.10	20.15	20.20	1.60	20.45	32.70789
23 Nov 05	21.60	18.85	18.90	19.00	19.05	19.10	1.60	19.42	31.05057
24 Nov 05	19.90	17.60	17.70	17.80	17.90	18.00	1.59	18.15	28.92726
25 Nov 05	20.15	18.30	18.40	18.50	18.60	18.70	1.59	18.78	29.88571
28 Nov 05	20.50	18.50	18.40	18.50	18.60	18.70	1.59	18.87	30.05743
29 Nov 05	19.90	18.25	18.35	18.45	18.55	18.65	1.60	18.69	29.82195
30 Nov 05	20.15	18.05	18.20	18.30	18.40	18.50	1.59	18.60	29.65059
01 Dec 05	20.55	18.25	18.35	18.45	18.55	18.65	1.58	18.80	29.67465
02 Dec 05	21.80	18.50	18.40	18.30	18.20	18.10	1.56	18.88	29.53437
05 Dec 05	22.70	19.80	19.70	19.60	19.50	19.40	1.57	20.12	31.56466
06 Dec 05	23.40	20.10	20.00	19.90	19.80	19.70	1.56	20.48	32.04044
07 Dec 05	22.90	19.90	19.70	19.60	19.50	19.40	1.57	20.17	31.60875
08 Dec 05	22.05	19.25	19.05	18.90	18.80	18.70	1.57	19.46	30.63534
09 Dec 05	21.70	19.00	19.20	19.30	19.40	19.50	1.57	19.68	30.93755
12 Dec 05	22.35	19.25	19.35	19.45	19.55	19.65	1.58	19.93	31.55578
13 Dec 05	22.70	19.75	19.90	20.05	20.20	20.35	1.58	20.49	32.41133
14 Dec 05	22.45	19.40	19.55	19.70	19.85	20.00	1.59	20.16	31.98821
15 Dec 05	22.40	19.45	19.60	19.75	19.85	20.00	1.60	20.18	32.27619
16 Dec 05	22.10	19.25	19.35	19.45	19.55	19.65	1.61	19.89	32.11185
19 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.62	19.98	32.34954
20 Dec 05	21.95	19.10	19.25	19.40	19.55	19.70	1.62	19.83	32.09156
21 Dec 05	21.85	19.00	19.15	19.30	19.45	19.60	1.61	19.73	31.82807
22 Dec 05	21.65	19.10	19.20	19.30	19.40	19.50	1.62	19.69	31.98563
23 Dec 05	21.35	18.70	18.80	18.90	19.00	19.10	1.63	19.31	31.47509
27 Dec 05	21.65	19.00	19.10	19.20	19.30	19.40	1.64	19.61	32.0683
28 Dec 05	21.85	19.15	19.25	19.35	19.45	19.55	1.63	19.77	32.13662
29 Dec 05	22.05	19.55	19.65	19.75	19.85	19.95	1.62	20.13	32.53445
30 Dec 05	22.10	19.35	19.45	19.55	19.65	19.75	1.61	19.98	32.18077
03 Jan 06	22.75	19.70	19.80	19.90	20.00	20.10	1.62	20.38	33.01227
04 Jan 06	23.05	20.05	20.15	20.25	20.35	20.45	1.62	20.72	33.55703
05 Jan 06	23.45	20.00	20.15	20.25	20.35	20.45	1.62	20.78	33.58321
06 Jan 06	24.00	20.80	21.00	21.10	21.20	21.30	1.61	21.57	34.71891

8/27/2008	20.87	21.60	21.85	22.33	23.10	1.71	21.95	37.63858
8/28/2008	20.99	21.70	21.95	22.40	23.13	1.71	22.03	37.58769
8/29/2008	21.20	21.90	22.08	22.50	23.26	1.71	22.19	37.90735
9/1/2008	21.00	21.70	21.91	22.34	23.10	1.72	22.01	37.78821
9/2/2008	20.55	21.21	21.43	21.85	22.61	1.73	21.53	37.24461
9/3/2008	20.48	21.16	21.35	21.77	22.51	1.73	21.45	37.22242
9/4/2008	20.70	21.38	21.60	21.94	22.65	1.74	21.65	37.64496
9/5/2008	20.35	20.97	21.12	21.52	22.32	1.75	21.26	37.20771
9/8/2008	20.25	20.87	21.12	21.42	22.12	1.73	21.16	36.5919
9/9/2008	19.23	19.89	20.10	20.43	21.12	1.76	20.15	35.51827
9/10/2008	19.05	19.75	19.94	20.28	20.96	1.75	20.00	34.95637
9/11/2008	19.01	19.70	19.94	20.28	20.95	1.74	19.98	34.76856
9/12/2008	19.74	20.39	20.64	20.99	21.74	1.73	20.70	35.75917
9/15/2008	19.23	19.90	20.18	20.52	21.33	1.77	20.23	35.85037
9/16/2008	19.20	19.85	20.05	20.36	21.11	1.77	20.11	35.52706
9/17/2008	19.15	19.94	20.21	20.56	21.33	1.80	20.24	36.4968
9/18/2008	19.54	20.30	20.61	21.00	21.88	1.79	20.67	36.90189
9/19/2008	20.42	21.17	21.59	21.92	22.78	1.73	21.58	37.42122
9/22/2008	20.35	21.08	21.53	21.88	22.78	1.75	21.52	37.59583
9/23/2008	20.20	20.93	21.31	21.68	22.58	1.76	21.34	37.48103
9/24/2008	19.68	20.36	20.74	21.06	22.01	1.75	20.77	36.43006
9/25/2008	19.61	20.13	20.46	20.77	21.51	1.75	20.50	35.86158
9/26/2008	19.50	19.75	20.04	20.35	20.94	1.76	20.12	35.38989
9/29/2008	18.41	18.52	18.85	19.17	19.72	1.80	18.93	34.07878
9/30/2008	18.45	18.63	18.90	19.21	19.78	1.78	18.99	33.82531
10/1/2008	18.95	19.15	19.47	19.78	20.36	1.78	19.54	34.72508
10/2/2008	19.20	19.45	19.74	20.10	20.82	1.79	19.86	35.45683
10/3/2008	18.98	19.14	19.45	19.79	20.46	1.78	19.56	34.79268
10/6/2008	18.41	18.52	18.72	19.02	19.68	1.92	18.87	36.15196
10/7/2008	18.79	18.89	19.07	19.36	19.95	1.91	19.21	36.63085
10/8/2008	18.78	18.84	18.97	19.26	19.89	2.02	19.15	38.75183
10/9/2008	19.60	19.67	19.76	20.02	20.68	1.96	19.95	39.0901
10/10/2008	19.11	19.10	19.26	19.52	20.10	2.09	19.42	40.60768
10/13/2008	19.71	19.60	19.73	20.02	20.37	1.99	19.89	39.50529
10/14/2008	20.20	20.06	20.07	20.32	20.72	1.95	20.27	39.60647
10/15/2008	19.83	19.70	19.69	19.94	20.40	2.01	19.91	39.94942
10/16/2008	18.83	18.93	19.03	19.29	19.93	1.96	19.20	37.64268
10/17/2008	18.77	18.78	18.90	19.21	19.77	1.94	19.09	36.95791
10/20/2008	18.55	18.45	18.60	18.90	19.33	1.90	18.77	35.62931
10/21/2008	17.90	17.75	17.95	18.05	18.60	1.92	18.05	34.59361
10/22/2008	16.65	16.46	16.45	16.65	17.21	1.91	16.68	31.91144
10/23/2008	16.96	16.78	16.78	16.95	17.55	1.96	17.00	33.3956
10/24/2008	16.02	15.83	15.85	16.00	16.59	2.03	16.06	32.60011
10/27/2008	15.08	14.87	14.86	15.06	15.69	2.06	15.11	31.18603
10/28/2008	15.20	15.02	15.02	15.16	15.78	1.98	15.24	30.15717
10/29/2008	15.69	15.54	15.54	15.71	16.29	1.93	15.75	30.35377
10/30/2008	15.19	15.23	15.39	15.62	16.32	1.90	15.55	29.58788
10/31/2008	15.05	15.13	15.37	15.49	16.19	1.91	15.45	29.44554
11/3/2008	15.12	15.19	15.36	15.65	16.39	1.86	15.54	28.97664
11/4/2008	15.45	15.55	15.93	16.43	17.10	1.87	16.09	30.02809
11/5/2008	15.10	15.17	15.51	15.89	16.56	1.88	15.65	29.364
11/6/2008	15.13	15.14	15.43	15.79	16.43	1.91	15.58	29.73124
11/7/2008	15.62	15.63	15.92	16.30	16.90	1.89	16.07	30.3393
11/10/2008	15.70	15.70	15.99	16.36	17.00	1.90	16.15	30.72271
11/11/2008	15.36	15.38	15.64	16.01	16.64	1.91	15.81	30.15315
11/12/2008	15.65	15.49	15.78	16.15	16.73	1.96	15.96	31.24578
11/13/2008	15.87	15.60	15.82	16.13	16.64	1.95	16.01	31.23358
11/14/2008	15.50	15.26	15.51	15.74	16.31	1.93	15.66	30.25246
11/17/2008	15.30	15.03	15.12	15.36	15.52	1.94	15.27	29.56255
11/18/2008	14.95	14.71	14.71	14.91	15.21	1.94	14.90	28.92287
11/19/2008	14.81	14.64	14.64	14.79	15.04	1.94	14.78	28.70136
11/20/2008	13.35	13.15	13.15	13.34	13.56	2.02	13.31	26.95053
11/21/2008	13.87	13.72	13.77	13.94	14.17	2.02	13.89	28.04447
11/24/2008	14.30	14.19	14.29	14.58	14.89	1.99	14.45	28.74614
11/25/2008	14.02	13.91	14.05	14.28	14.56	2.01	14.16	28.44147

09 Jan 06	23.70	20.10	20.20	20.30	20.40	20.50	1.60	20.87	33.44547
10 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.61	21.08	33.94555
11 Jan 06	23.80	20.25	20.40	20.55	20.65	20.80	1.60	21.08	33.78345
12 Jan 06	24.00	20.40	20.55	20.70	20.80	20.95	1.60	21.23	34.00398
13 Jan 06	24.00	20.80	20.70	20.85	20.95	21.10	1.61	21.40	34.40937
16 Jan 06	24.05	20.85	21.00	21.10	21.20	21.30	1.61	21.58	34.65398
17 Jan 06	25.25	21.55	21.70	21.85	22.00	22.15	1.61	22.42	36.02128
18 Jan 06	26.45	22.30	22.55	22.65	22.75	22.85	1.62	23.26	37.6071
19 Jan 06	26.65	22.40	22.55	22.70	22.85	23.00	1.62	23.36	37.75106
20 Jan 06	27.90	22.80	22.90	23.00	23.10	23.20	1.62	23.82	38.63698
23 Jan 06	26.90	22.60	22.75	22.90	23.05	23.20	1.63	23.57	38.46897
24 Jan 06	26.35	21.85	22.05	22.20	22.35	22.50	1.63	22.88	37.41181
25 Jan 06	26.70	22.25	22.45	22.60	22.75	22.90	1.63	23.28	37.84966
26 Jan 06	27.45	22.70	22.85	23.00	23.15	23.30	1.62	23.74	38.49748
27 Jan 06	26.90	22.80	22.95	23.10	23.25	23.40	1.61	23.73	38.25389
30 Jan 06	27.50	24.05	24.20	24.40	24.60	24.80	1.61	24.93	40.20559
31 Jan 06	27.55	24.65	25.00	25.15	25.35	25.50	1.61	25.53	41.08016
01 Feb 06	28.05	25.50	25.90	26.25	26.70	27.10	1.60	26.58	42.57681
02 Feb 06	28.55	25.95	26.45	26.90	27.25	27.55	1.60	27.11	43.46511
03 Feb 06	28.85	26.80	27.00	27.20	27.40	27.60	1.60	27.48	44.0457
06 Feb 06	28.70	28.15	28.50	28.90	29.30	29.70	1.61	28.88	46.5195
07 Feb 06	27.65	27.50	27.80	28.05	28.30	28.55	1.61	27.98	45.17256
08 Feb 06	27.15	27.00	27.25	27.55	27.75	27.95	1.61	27.44	44.29182
09 Feb 06	27.45	27.30	27.95	28.15	28.35	28.55	1.62	27.96	45.23857
10 Feb 06	27.30	27.45	27.90	28.30	28.55	28.80	1.62	28.05	45.30473
13 Feb 06	27.20	27.10	27.60	27.80	28.00	28.20	1.61	27.65	44.51164
14 Feb 06	27.35	27.40	27.60	27.80	28.00	28.20	1.61	27.73	44.63193
15 Feb 06	27.60	27.55	27.65	27.80	27.95	28.10	1.61	27.78	44.70835
16 Feb 06	27.95	27.85	28.45	29.00	29.70	30.30	1.61	28.88	46.45744
17 Feb 06	27.70	27.75	28.40	28.90	29.40	29.90	1.61	28.68	46.29899
20 Feb 06	28.10	27.55	28.05	28.55	29.05	29.55	1.61	28.48	45.8541
21 Feb 06	28.30	27.15	27.70	28.20	29.00	29.60	1.61	28.33	45.67823
22 Feb 06	28.20	26.65	27.30	27.85	28.60	29.20	1.62	27.97	45.22865
23 Feb 06	27.65	24.40	25.00	25.60	25.70	25.00	1.61	25.56	41.24082
24 Feb 06	27.65	24.50	25.10	25.70	26.30	26.90	1.61	26.03	41.77746
27 Feb 06	27.20	24.20	24.75	25.35	26.30	26.90	1.61	25.78	41.42353
28 Feb 06	27.40	24.30	24.85	25.45	26.05	26.65	1.60	25.78	41.37455
01 Mar 06	27.85	24.10	24.65	25.20	25.75	26.30	1.60	25.64	41.03069
02 Mar 06	28.15	24.00	24.50	25.00	25.50	26.00	1.61	25.53	41.01498
03 Mar 06	28.05	24.20	24.70	25.20	25.70	26.20	1.62	25.68	41.47192
06 Mar 06	28.05	24.10	24.70	25.25	25.75	26.25	1.62	25.68	41.6705
07 Mar 06	27.60	23.55	24.00	24.50	25.00	25.50	1.62	25.03	40.51006
08 Mar 06	27.75	23.95	24.45	24.95	25.45	25.95	1.63	25.42	41.32151
09 Mar 06	27.70	23.70	24.20	24.70	25.20	25.70	1.62	25.20	40.89379
10 Mar 06	27.90	23.75	24.20	24.70	25.20	25.70	1.63	25.24	41.08227
13 Mar 06	28.45	24.15	24.80	25.15	25.55	25.95	1.63	25.68	41.81631
14 Mar 06	28.25	24.05	24.60	25.10	25.60	26.10	1.63	25.62	41.77793
15 Mar 06	28.05	24.15	24.70	25.20	25.70	26.20	1.63	25.67	41.89444
16 Mar 06	27.70	23.90	24.50	25.00	25.50	26.00	1.65	25.43	42.01271
17 Mar 06	27.95	24.00	24.60	25.00	25.50	26.00	1.67	25.51	42.67832
20 Mar 06	28.15	24.05	24.70	25.10	25.60	26.10	1.69	25.62	43.19924
21 Mar 06	28.10	24.05	24.65	25.25	25.80	26.40	1.69	25.71	43.31929
22 Mar 06	28.15	24.25	24.90	25.50	26.35	26.95	1.68	26.02	43.69683
23 Mar 06	28.20	24.20	24.85	25.45	26.30	26.90	1.67	25.98	43.50993
24 Mar 06	27.95	24.10	24.90	25.60	26.30	27.00	1.70	25.98	44.09624
27 Mar 06	27.80	24.15	24.80	25.40	25.90	26.40	1.70	25.74	43.83071
28 Mar 06	27.95	24.25	24.90	25.55	26.20	26.85	1.70	25.95	44.19253
29 Mar 06	28.20	25.50	26.15	26.80	27.45	28.10	1.70	27.03	45.96684
30 Mar 06	28.35	26.75	27.45	28.10	28.80	29.45	1.70	28.15	47.83023
31 Mar 06	28.40	26.80	27.55	28.10	28.60	29.10	1.69	28.09	47.57884
03 Apr 06	28.35	27.00	27.50	28.10	28.70	29.30	1.70	28.16	47.78494
04 Apr 06	28.85	27.00	27.70	28.40	29.10	29.80	1.70	28.48	48.43404
05 Apr 06	29.80	27.35	27.95	28.60	29.30	29.95	1.69	28.83	48.69367
06 Apr 06	30.35	27.75	28.35	28.95	29.50	30.10	1.67	29.17	48.7768
07 Apr 06	29.85	27.90	28.50	29.10	29.70	30.30	1.67	29.23	48.68947

11/26/2008	13.91	13.83	13.98	14.15	14.50	1.98	14.07	27.87666
11/27/2008	14.23	14.17	14.33	14.56	14.88	1.95	14.43	28.18368
11/28/2008	13.91	13.84	14.00	14.21	14.52	1.94	14.10	27.33538
12/1/2008	14.20	14.20	14.32	14.54	14.85	1.95	14.42	28.17951
12/2/2008	14.10	14.08	14.20	14.41	14.70	1.99	14.30	28.40645
12/3/2008	14.05	14.00	14.12	14.33	14.62	1.97	14.22	28.02061
12/4/2008	13.69	13.72	13.79	13.94	14.15	1.98	13.86	27.48632
12/5/2008	12.82	12.85	12.90	13.04	13.24	1.99	12.97	25.78635
12/8/2008	13.17	13.24	13.28	13.40	13.59	1.95	13.34	26.04779
12/9/2008	12.98	13.00	13.05	13.16	13.34	1.96	13.11	25.74274
12/10/2008	13.03	13.05	13.11	13.22	13.40	1.98	13.16	26.06246
12/11/2008	13.21	13.27	13.32	13.41	13.59	1.97	13.36	26.37058
12/12/2008	13.28	13.42	13.42	13.53	13.74	2.03	13.48	27.34092
12/15/2008	13.52	13.59	13.66	13.76	13.94	2.05	13.69	28.12438
12/16/2008		13.64	13.65	13.82	14.00	2.04	13.78	28.08552
12/17/2008		13.75	13.80	13.87	14.03	2.04	13.86	28.33737
12/18/2008		13.41	13.40	13.51	13.67	2.04	13.50	27.59635
12/19/2008		13.33	13.36	13.47	13.62	2.03	13.45	27.31493
12/22/2008		13.35	13.39	13.50	13.63	2.03	13.47	27.31278
12/23/2008		13.27	13.31	13.44	13.56	2.05	13.40	27.46137
12/24/2008		13.17	13.20	13.31	13.46	2.05	13.29	27.24465
12/29/2008		13.24	13.28	13.37	13.54	2.04	13.36	27.20089
12/30/2008		13.49	13.52	13.61	13.79	2.04	13.60	27.7831
12/31/2008		13.69	13.71	13.77	13.93	1.97	13.78	27.19853
1/2/2009		13.32	13.33	13.42	13.59	1.96	13.42	26.29443
1/5/2009		13.31	13.37	13.48	13.67	1.90	13.46	25.51877
1/6/2009		13.50	13.55	13.66	13.84	1.87	13.64	25.45224
1/7/2009		13.38	13.41	13.52	13.72	1.91	13.51	25.83554
1/8/2009		12.79	12.80	12.90	13.09	1.93	12.90	24.92895
1/9/2009		12.45	12.46	12.56	12.75	1.91	12.56	23.94998
1/12/2009		12.28	12.33	12.43	12.58	1.95	12.41	24.20214
1/13/2009		12.15	12.22	12.31	12.47	1.99	12.29	24.49901
1/14/2009		11.78	11.80	11.89	12.02	1.99	11.87	23.67891
1/15/2009		11.80	11.79	11.91	12.04	1.98	11.89	23.55541
1/16/2009		11.00	11.02	11.12	11.24	1.98	11.10	22.0153
1/19/2009		10.00	10.01	10.12	10.25	1.95	10.10	19.72658
1/20/2009		9.96	9.97	10.05	10.17	1.98	10.04	19.85598
1/21/2009		10.03	10.06	10.16	10.27	1.97	10.13	19.95108
1/22/2009		10.15	10.16	10.25	10.31	1.97	10.22	20.16323
1/23/2009		10.05	10.06	10.12	10.21	1.98	10.11	19.98258
1/26/2009		10.49	10.51	10.57	10.66	1.99	10.56	21.02093
1/27/2009		10.32	10.33	10.40	10.50	1.99	10.39	20.67665
1/28/2009		10.23	10.24	10.30	10.41	1.97	10.30	20.29406
1/29/2009		10.35	10.39	10.45	10.56	1.98	10.44	20.68559
1/30/2009		10.45	10.46	10.52	10.63	2.01	10.52	21.15209
2/2/2009		10.06	10.11	10.19	10.29	2.03	10.16	20.65389
2/3/2009		9.71	9.76	9.86	9.99	2.00	9.83	19.62384
2/4/2009		9.56	9.62	9.74	9.85	1.99	9.69	19.27417
2/5/2009		9.45	9.50	9.60	9.72	1.96	9.57	18.77218
2/6/2009		9.26	9.32	9.42	9.54	1.92	9.39	17.98804
2/9/2009		9.20	9.27	9.37	9.52	1.92	9.34	17.88707
2/10/2009		8.57	8.63	8.72	8.87	1.97	8.70	17.14974
2/11/2009		7.66	7.73	7.83	8.00	1.97	7.81	15.37947
2/12/2009		7.39	7.47	7.58	7.74	1.98	7.55	14.90384
2/13/2009		7.89	7.97	8.09	8.30	1.96	8.06	15.7673
2/16/2009		7.72	7.79	7.92	8.20	1.97	7.91	15.54997
2/17/2009		7.94	8.02	8.17	8.43	1.97	8.14	16.07298
2/18/2009		8.82	8.87	8.97	9.25	1.97	8.98	17.66495
2/19/2009		9.82	9.87	10.00	10.20	1.96	9.97	19.55915
2/20/2009		8.84	8.90	9.02	9.23	1.98	9.00	17.84921
2/23/2009		8.51	8.61	8.75	8.99	1.98	8.72	17.21885
2/24/2009		8.18	8.26	8.43	8.70	1.98	8.39	16.58321
2/25/2009		8.65	8.74	8.90	9.16	1.97	8.86	17.4752
2/26/2009		9.39	9.48	9.64	9.92	1.956589	9.6075	18.79793
2/27/2009		8.81	8.91	9.05	9.32	1.971545	9.0225	17.78827

10 Apr 06	30.00	28.35	28.65	29.25	29.75	30.35	1.66	29.39	48.78921
11 Apr 06	30.45	29.15	29.90	30.50	31.15	31.75	1.66	30.48	50.46738
12 Apr 06	30.35	29.80	30.45	31.05	31.70	32.30	1.65	30.94	51.10312
13 Apr 06	30.15	30.00	30.65	31.30	31.95	32.50	1.66	31.11	51.73968
18 Apr 06	30.30	30.15	30.80	31.45	32.10	32.75	1.66	31.26	51.87758
19 Apr 06	31.50	32.20	32.80	33.45	34.15	34.85	1.66	33.16	54.93529
20 Apr 06	31.50	32.25	32.90	33.55	34.20	34.85	1.67	33.21	55.43442
21 Apr 06	30.95	30.95	31.45	32.10	32.75	33.40	1.66	31.93	52.89724
24 Apr 06	30.75	31.00	31.70	32.40	33.10	33.80	1.67	32.13	53.49947
25 Apr 06	30.95	30.95	31.60	32.20	32.90	33.50	1.67	32.02	53.38565
26 Apr 06	28.30	29.55	30.20	30.85	31.50	32.15	1.65	30.43	50.30848
27 Apr 06	20.75	22.15	22.80	23.45	24.10	24.75	1.66	23.00	38.09062
28 Apr 06	17.30	21.45	22.15	22.80	23.45	24.10	1.66	21.88	36.3557
01 May 06	14.25	18.80	19.30	19.80	20.30	20.80	1.66	18.88	31.2855
02 May 06	13.95	18.50	19.00	19.50	20.00	20.50	1.66	18.58	30.75081
03 May 06	11.95	18.25	18.90	19.45	19.95	20.50	1.64	18.17	29.77485
04 May 06	12.85	20.00	20.55	21.05	21.55	22.05	1.65	19.68	32.37752
05 May 06	14.85	22.15	22.70	23.25	23.80	24.35	1.65	21.85	36.02406
08 May 06	13.20	20.25	20.80	21.25	21.70	22.20	1.65	19.90	32.90031
09 May 06	12.65	19.90	20.50	21.10	21.75	22.35	1.65	19.71	32.47491
10 May 06	12.75	18.65	19.05	19.70	20.30	20.90	1.65	18.56	30.61358
11 May 06	13.65	19.20	19.80	20.45	21.10	21.70	1.65	19.32	31.91975
12 May 06	13.40	19.25	19.85	20.50	21.15	21.85	1.67	19.33	32.29075
15 May 06	9.80	17.80	18.30	18.75	19.25	19.75	1.68	17.28	29.04409
16 May 06	15.75	21.45	22.20	22.70	23.20	23.70	1.67	21.50	35.99244
17 May 06	17.35	21.60	22.30	22.90	23.50	24.10	1.68	21.96	36.86625
18 May 06	16.25	21.90	22.60	23.30	24.00	24.70	1.68	22.13	37.13773
19 May 06	16.25	21.90	22.50	23.15	23.75	24.35	1.69	21.98	37.06717
22 May 06	16.95	21.90	22.55	23.25	23.90	24.55	1.71	22.18	37.90156
23 May 06	18.95	23.80	24.45	25.15	25.80	26.55	1.70	24.12	40.98196
24 May 06	20.45	24.20	24.65	25.25	25.85	26.45	1.70	24.48	41.50861
25 May 06	19.75	23.60	24.20	24.80	25.45	26.05	1.68	23.98	40.30701
26 May 06	19.85	24.00	24.65	25.30	25.95	26.60	1.68	24.39	40.93566
30 May 06	19.55	24.00	24.60	25.25	25.85	26.45	1.69	24.28	40.98305
31 May 06	18.50	23.20	23.95	24.55	25.20	25.85	1.70	23.54	40.08329
01 Jun 06	17.40	22.25	22.90	23.55	24.20	24.85	1.71	22.53	38.54489
02 Jun 06	17.00	21.30	21.95	22.60	23.25	23.90	1.72	21.67	37.22849
05 Jun 06	17.05	21.25	21.85	22.45	23.05	23.65	1.72	21.55	37.15893
06 Jun 06	16.65	20.90	21.55	22.15	22.75	23.35	1.73	21.23	36.77945
07 Jun 06	16.30	20.90	21.45	22.00	22.55	23.10	1.73	21.05	36.37297
08 Jun 06	15.60	20.05	20.70	21.30	21.90	22.50	1.71	20.34	34.71512
09 Jun 06	14.60	19.50	20.10	20.70	21.30	21.90	1.69	19.68	33.23258
12 Jun 06	14.60	19.00	19.70	20.40	21.10	21.80	1.69	19.43	32.79079
13 Jun 06	15.60	20.10	20.80	21.50	22.20	22.90	1.70	20.52	34.88036
14 Jun 06	15.50	19.85	20.60	21.30	22.00	22.70	1.71	20.33	34.76313
15 Jun 06	15.50	19.40	19.80	20.50	21.20	21.90	1.70	19.72	33.51796
16 Jun 06	15.50	19.50	20.05	20.70	21.35	22.00	1.71	19.85	33.9418
19 Jun 06	15.65	19.35	19.95	20.55	21.15	21.75	1.71	19.73	33.68528
20 Jun 06	15.90	20.00	20.70	21.50	22.20	22.90	1.71	20.53	35.01275
21 Jun 06	16.60	20.60	21.20	21.90	22.60	23.30	1.71	21.03	36.02128
22 Jun 06	16.05	19.90	20.65	21.35	22.10	22.90	1.71	20.49	35.1025
23 Jun 06	16.15	20.10	20.80	21.50	22.20	22.90	1.71	20.61	35.22994
26 Jun 06	16.05	19.80	20.55	21.30	22.10	22.90	1.72	20.45	35.15096
27 Jun 06	15.60	19.45	20.10	20.70	21.30	21.95	1.72	19.85	34.07498
28 Jun 06	15.75	19.70	20.35	21.00	21.65	22.30	1.72	20.13	34.6329
29 Jun 06	16.20	19.85	20.45	21.10	21.75	22.40	1.71	20.29	34.75763
30 Jun 06	16.55	19.65	20.30	20.95	21.60	22.25	1.72	20.22	34.79038
03 Jul 06	16.55	19.45	20.10	20.75	21.40	22.05	1.72	20.05	34.57068
04 Jul 06	16.85	19.45	20.15	20.80	21.45	22.10	1.72	20.13	34.58227
05 Jul 06	16.85	19.00	19.60	20.20	20.80	21.40	1.72	19.64	33.68554
06 Jul 06	16.65	18.75	19.45	20.05	20.70	21.35	1.71	19.49	33.3805
07 Jul 06	17.05	19.25	19.90	20.50	21.15	21.75	1.70	19.93	33.95063
10 Jul 06	16.80	19.25	19.95	20.60	21.30	21.95	1.71	19.98	34.07094
11 Jul 06	16.95	19.65	20.25	20.85	21.45	22.05	1.70	20.20	34.25637
12 Jul 06	17.10	19.90	20.55	21.20	21.85	22.50	1.69	20.52	34.64963

3/2/2009	9.17	9.27	9.41	9.68	9.1	1.987994	9.326	18.54003
3/3/2009	9.9	10	10.1	10.4	9.87	1.9616	10.054	19.72193
3/4/2009	10.51	10.59	10.75	11.05	10.71	1.945813	10.722	20.86301
3/5/2009	10.29	10.38	10.55	10.84	10.46	1.965088	10.504	20.64129
3/6/2009	9.94	10.04	10.22	10.51	10.11	1.979452	10.164	20.11915
3/9/2009	10.57	10.67	10.86	11.16	10.7	1.993619	10.792	21.51513
3/10/2009	10.97	11.09	11.28	11.58	11.08	1.970043	11.2	22.06448
3/11/2009	10.63	10.75	10.94	11.24	10.73	1.973819	10.858	21.43173
3/12/2009	10.82	10.94	11.13	11.43	10.92	1.972285	11.048	21.7898
3/13/2009	11.16	11.32	11.52	11.83	11.24	1.962486	11.414	22.39981
3/16/2009	11.42	11.61	11.81	12.11	11.44	1.962607	11.678	22.91933
3/17/2009	11.72	11.9	12.1	12.4	11.72	1.96704	11.968	23.54153
3/18/2009	11.23	11.41	11.63	11.94	11.2	1.979552	11.482	22.72921

13 Jul 06	17.05	19.85	20.55	21.20	21.90	22.55	1.68	20.52	34.51396
14 Jul 06	17.15	20.05	20.70	21.30	21.90	22.50	1.68	20.60	34.58676
17 Jul 06	17.50	20.00	20.55	21.20	21.85	22.50	1.67	20.60	34.49728
18 Jul 06	18.05	20.25	20.85	21.45	22.05	22.65	1.68	20.88	34.99595
19 Jul 06	17.70	20.10	20.70	21.30	21.90	22.50	1.68	20.70	34.76592
20 Jul 06	17.20	19.90	20.45	21.10	21.75	22.40	1.68	20.47	34.4031
21 Jul 06	17.55	19.85	20.50	21.10	21.75	22.35	1.69	20.52	34.61732
24 Jul 06	17.40	19.75	20.40	21.00	21.60	22.20	1.67	20.39	34.1028
25 Jul 06	17.30	19.50	20.10	20.70	21.30	21.90	1.67	20.13	33.63002
26 Jul 06	17.00	19.15	19.90	20.40	21.00	21.60	1.67	19.84	33.08945
27 Jul 06	17.15	18.95	19.55	20.15	20.75	21.35	1.67	19.65	32.72284
28 Jul 06	17.35	18.85	19.45	20.05	20.65	21.25	1.66	19.60	32.5693
31 Jul 06	16.90	18.25	18.85	19.45	20.05	20.65	1.67	19.03	31.69252
01 Aug 06	16.85	18.65	19.25	19.85	20.45	21.05	1.67	19.35	32.40864
02 Aug 06	17.05	18.70	19.30	19.90	20.50	21.10	1.67	19.43	32.5156
03 Aug 06	17.15	18.50	19.05	19.65	20.25	20.80	1.68	19.23	32.3478
04 Aug 06	16.60	17.75	18.30	18.80	19.35	19.85	1.68	18.44	31.01098
07 Aug 06	15.90	17.00	17.55	18.15	18.70	19.30	1.68	17.77	29.87737
08 Aug 06	16.45	17.70	18.25	18.85	19.40	20.00	1.69	18.44	31.10927
09 Aug 06	16.55	17.85	18.45	19.05	19.65	20.25	1.68	18.63	31.27257
10 Aug 06	16.50	17.95	18.55	19.10	19.70	20.25	1.67	18.68	31.14331
11 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.66	18.55	30.81162
14 Aug 06	16.50	17.75	18.30	18.85	19.40	19.95	1.68	18.46	30.92382
15 Aug 06	16.25	17.65	18.20	18.75	19.30	19.85	1.67	18.33	30.63376
16 Aug 06	16.25	17.55	18.15	18.75	19.35	19.95	1.67	18.33	30.64298
17 Aug 06	16.40	17.70	18.35	18.95	19.60	20.20	1.69	18.53	31.23175
18 Aug 06	16.45	17.65	18.20	18.75	19.30	19.85	1.69	18.37	31.04436
21 Aug 06	16.55	17.75	18.40	19.05	19.70	20.35	1.69	18.63	31.46311
22 Aug 06	17.35	18.10	18.70	19.35	19.95	20.55	1.68	19.00	31.91716
23 Aug 06	17.60	18.15	18.80	19.40	20.00	20.60	1.68	19.09	32.01667
24 Aug 06	17.40	17.40	18.90	19.50	20.10	20.70	1.68	19.00	31.84233
25 Aug 06	16.90	17.80	18.50	19.10	19.70	20.30	1.69	18.72	31.55453
28 Aug 06	17.00	18.05	18.65	19.25	19.85	20.45	1.68	18.88	31.78045
29 Aug 06	16.90	17.95	18.55	19.15	19.75	20.35	1.68	18.78	31.52045
30 Aug 06	16.60	17.80	18.45	19.10	19.70	20.35	1.68	18.67	31.35384
31 Aug 06	16.30	17.80	18.40	19.00	19.60	20.20	1.68	18.55	31.13614
01 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.17209
04 Sep 06	16.50	17.85	18.45	19.05	19.65	20.25	1.67	18.63	31.0979
05 Sep 06	16.90	18.15	18.75	19.35	19.95	20.55	1.66	18.94	31.44657
06 Sep 06	17.10	18.20	18.80	19.40	20.00	20.60	1.67	19.02	31.78743
07 Sep 06	17.15	18.25	18.80	19.35	19.90	20.45	1.68	18.98	31.85529
08 Sep 06	17.05	18.20	18.70	19.25	19.80	20.35	1.68	18.89	31.72574
11 Sep 06	16.95	18.20	18.75	19.30	19.85	20.45	1.69	18.92	32.00566
12 Sep 06	16.80	17.90	18.50	19.05	19.65	20.20	1.69	18.68	31.58888
13 Sep 06	16.90	18.00	18.60	19.15	19.75	20.30	1.69	18.78	31.65998
14 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.69	18.68	31.47244
15 Sep 06	16.80	17.95	18.50	19.05	19.60	20.15	1.68	18.68	31.42123
18 Sep 06	16.75	17.85	18.40	18.95	19.45	20.00	1.68	18.57	31.21917
19 Sep 06	16.75	17.85	18.45	19.05	19.65	20.30	1.68	18.68	31.45145
20 Sep 06	16.25	17.50	18.05	18.65	19.25	19.80	1.68	18.25	30.74952
21 Sep 06	14.70	16.50	17.10	17.70	18.30	18.90	1.69	17.20	29.04786
22 Sep 06	14.00	16.10	16.70	17.30	17.85	18.45	1.70	16.73	28.50572
25 Sep 06	13.85	16.15	16.70	17.25	17.85	18.40	1.69	16.70	28.26652
26 Sep 06	13.25	16.00	16.55	17.10	17.65	18.20	1.69	16.46	27.80008
27 Sep 06	12.35	15.20	15.75	16.30	16.85	17.40	1.69	15.64	26.45925
28 Sep 06	12.45	15.45	16.00	16.55	17.10	17.65	1.70	15.87	26.91497
29 Sep 06	12.90	15.70	16.25	16.80	17.35	17.90	1.70	16.15	27.46697
02 Oct 06	13.30	16.15	16.70	17.25	17.80	18.35	1.70	16.59	28.24273
03 Oct 06	12.50	15.40	15.95	16.50	17.00	17.55	1.71	15.82	27.10182
04 Oct 06	12.30	15.60	16.10	16.65	17.15	17.70	1.70	15.92	27.11794
05 Oct 06	12.30	15.90	16.45	17.00	17.55	18.10	1.70	16.22	27.56764
06 Oct 06	12.45	16.40	16.95	17.50	18.05	18.60	1.70	16.66	28.24003
09 Oct 06	12.40	16.35	16.90	17.45	18.00	18.55	1.69	16.61	28.1128
10 Oct 06	12.65	16.40	16.95	17.50	18.05	18.60	1.68	16.69	28.09764
11 Oct 06	12.75	16.00	16.55	17.10	17.65	18.20	1.69	16.38	27.60469

12 Oct 06	12.75	15.80	16.35	16.90	17.45	18.00	1.67	16.21	27.08625
13 Oct 06	12.65	15.10	15.65	16.20	16.75	17.30	1.67	15.61	25.99701
16 Oct 06	12.75	15.10	15.65	16.20	16.75	17.55	1.66	15.67	26.02425
17 Oct 06	12.80	15.05	15.65	16.25	16.85	17.45	1.66	15.68	26.06867
18 Oct 06	13.00	15.85	15.85	16.40	17.00	17.55	1.66	15.94	26.46989
19 Oct 06	13.15	15.95	15.95	16.50	17.05	17.60	1.66	16.03	26.64138
20 Oct 06	13.05	15.65	16.15	16.65	17.25	17.85	1.66	16.10	26.76345
23 Oct 06	13.05	16.00	16.55	17.10	17.65	18.20	1.66	16.43	27.22751
24 Oct 06	12.75	16.30	16.85	17.40	17.95	18.50	1.66	16.63	27.5428
25 Oct 06	12.80	16.30	16.90	17.45	17.95	18.50	1.66	16.65	27.57503
26 Oct 06	12.35	16.25	16.25	16.75	17.25	17.75	1.66	16.10	26.72362
27 Oct 06	12.40	15.90	16.45	16.95	17.45	17.95	1.66	16.18	26.81082
30 Oct 06	12.15	15.75	16.35	16.85	17.40	17.90	1.65	16.07	26.55414
31 Oct 06	11.05	15.20	15.80	16.40	16.95	17.55	1.65	15.49	25.53236
01 Nov 06	11.25	15.45	16.00	16.55	17.10	17.65	1.65	15.67	25.78231
02 Nov 06	11.25	15.75	16.30	16.85	17.40	17.95	1.65	15.92	26.24293
03 Nov 06	10.95	15.65	16.25	16.80	17.35	17.90	1.65	15.82	26.11289
06 Nov 06	10.80	15.85	16.40	16.95	17.50	18.05	1.65	15.93	26.2615
07 Nov 06	10.55	16.00	16.55	17.10	17.65	18.20	1.65	16.01	26.42903
08 Nov 06	9.65	15.65	16.20	16.75	17.30	17.85	1.66	15.57	25.78851
09 Nov 06	9.70	15.80	16.35	16.85	17.40	17.90	1.67	15.67	26.13898
10 Nov 06	9.70	16.10	16.65	17.20	17.70	18.25	1.67	15.93	26.67852
13 Nov 06	8.95	15.75	16.25	16.80	17.30	17.85	1.68	15.48	25.99499
14 Nov 06	8.70	15.85	16.35	16.90	17.40	17.95	1.68	15.53	26.01054
15 Nov 06	9.40	15.80	16.00	16.55	17.10	17.65	1.68	15.42	25.82704
16 Nov 06	9.25	16.00	16.50	17.00	17.55	18.05	1.67	15.73	26.21302
17 Nov 06	8.90	16.00	16.55	17.10	17.65	18.20	1.67	15.73	26.23008
20 Nov 06	8.75	16.20	16.75	17.25	17.80	18.30	1.66	15.84	26.33001
21 Nov 06	9.00	17.10	17.65	18.20	18.75	19.30	1.66	16.67	27.73616
22 Nov 06	9.10	17.45	18.00	18.55	19.10	19.65	1.67	16.98	28.29265
23 Nov 06	8.90	17.30	17.85	18.40	18.95	19.50	1.67	16.82	28.0919
24 Nov 06	9.00	17.40	17.95	18.50	19.05	19.60	1.68	16.92	28.43875
27 Nov 06	9.20	18.40	18.95	19.50	20.05	20.60	1.69	17.78	29.99068
28 Nov 06	9.20	19.00	19.55	20.05	20.60	21.10	1.68	18.25	30.68431
29 Nov 06	8.90	17.85	18.40	18.95	19.50	20.05	1.68	17.28	28.99142
30 Nov 06	8.40	18.45	19.00	19.55	20.10	20.65	1.68	17.69	29.71115
01 Dec 06	8.20	18.25	18.80	19.35	19.90	20.45	1.69	17.49	29.50533
04 Dec 06	7.65	19.65	20.20	20.75	21.30	21.85	1.69	18.57	31.32966
05 Dec 06	7.25	19.30	19.85	20.35	20.90	21.45	1.69	18.18	30.80268
06 Dec 06	6.85	18.75	19.30	19.85	20.40	20.95	1.69	17.68	29.8835
07 Dec 06	7.10	18.75	19.35	19.90	20.45	21.00	1.68	17.76	29.87239
08 Dec 06	7.55	18.25	18.80	19.35	19.90	20.45	1.68	17.38	29.22228
11 Dec 06	7.30	18.70	19.25	19.80	20.35	20.90	1.69	17.72	29.88817
12 Dec 06	7.10	18.25	18.75	19.30	19.85	20.40	1.69	17.28	29.16791
13 Dec 06	6.85	17.45	18.00	18.60	19.15	19.70	1.68	16.63	27.94211
14 Dec 06	6.60	17.00	17.60	18.15	18.65	19.20	1.68	16.20	27.20997
15 Dec 06	6.60	17.00	17.55	18.15	18.65	19.20	1.67	16.19	27.08416
18 Dec 06	6.60	17.10	17.65	18.25	18.80	19.35	1.68	16.29	27.32771
19 Dec 06	6.70	17.30	17.80	18.35	18.90	19.45	1.68	16.42	27.62967
20 Dec 06	6.65	17.10	17.65	18.20	18.75	19.30	1.68	16.28	27.27581
21 Dec 06	6.60	17.10	17.60	18.15	18.70	19.25	1.68	16.23	27.255
22 Dec 06	6.80	17.40	17.95	18.45	19.00	19.55	1.68	16.53	27.69612
26 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25468
27 Dec 06	6.95	17.80	18.30	18.85	19.40	19.95	1.67	16.88	28.25637
28 Dec 06	6.70	18.25	18.75	19.30	19.85	20.40	1.67	17.21	28.69645
29 Dec 06	6.70	18.20	18.70	19.25	19.80	20.35	1.67	17.17	28.7106
02 Jan 07	5.60	17.50	18.05	18.65	19.20	19.80	1.67	16.47	27.47525
03 Jan 07	4.85	16.55	17.10	17.55	18.10	18.60	1.66	15.46	25.70415
04 Jan 07	4.85	16.55	17.10	17.70	18.25	18.85	1.67	15.55	25.90932
05 Jan 07	4.80	15.80	16.40	16.95	17.50	18.05	1.67	14.92	24.90459
08 Jan 07	3.95	14.50	15.05	15.60	16.15	16.70	1.67	13.66	22.79225
09 Jan 07	3.50	14.70	15.30	15.85	16.40	16.95	1.67	13.78	22.95828
10 Jan 07	3.85	14.85	15.50	16.05	16.60	17.15	1.66	14.00	23.29748
11 Jan 07	4.00	15.25	15.80	16.35	16.90	17.45	1.65	14.29	23.57868
12 Jan 07	4.05	15.55	16.15	16.75	17.35	17.95	1.65	14.63	24.11584

15 Jan 07	4.05	16.15	16.75	17.30	17.90	18.45	1.65	15.10	24.90246
16 Jan 07	4.25	16.40	16.95	17.50	18.05	18.60	1.65	15.29	25.23357
17 Jan 07	4.10	15.65	16.20	16.75	17.30	17.85	1.65	14.64	24.09465
18 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.22983
19 Jan 07	4.00	15.80	16.35	16.90	17.45	18.00	1.64	14.75	24.2197
22 Jan 07	3.90	15.65	16.20	16.75	17.30	17.85	1.64	14.61	23.99319
23 Jan 07	3.80	15.65	16.20	16.75	17.30	17.85	1.64	14.59	23.97928
24 Jan 07	3.45	15.25	15.80	16.35	16.90	17.45	1.66	14.20	23.55028
25 Jan 07	3.30	15.35	15.90	16.45	17.05	17.60	1.67	14.28	23.84923
26 Jan 07	3.05	15.55	16.10	16.65	17.25	17.85	1.67	14.41	24.05445
29 Jan 07	2.50	15.50	16.05	16.65	17.25	17.80	1.68	14.29	23.99447
30 Jan 07	2.45	15.35	15.90	16.50	17.05	17.65	1.68	14.15	23.73552
31 Jan 07	2.35	15.30	15.85	16.45	17.00	17.55	1.68	14.08	23.64266
01 Feb 07	2.25	15.35	15.95	16.50	17.05	17.65	1.68	14.13	23.75307
02 Feb 07	2.00	14.75	15.30	15.85	16.40	16.95	1.67	13.54	22.65233
05 Feb 07	1.80	14.95	15.50	16.05	16.60	17.15	1.66	13.68	22.76397
06 Feb 07	1.50	14.85	15.40	15.95	16.50	17.05	1.67	13.54	22.61091
07 Feb 07	1.35	14.45	15.00	15.55	16.10	16.65	1.67	13.18	22.04637
08 Feb 07	1.50	13.80	14.35	14.90	15.45	16.00	1.67	12.67	21.12249
09 Feb 07	1.65	14.10	14.65	15.20	15.75	16.30	1.67	12.94	21.65748
12 Feb 07	1.30	14.20	14.75	15.30	15.85	16.40	1.68	12.97	21.75431
13 Feb 07	1.25	13.70	14.25	14.80	15.35	15.90	1.67	12.54	20.98943
14 Feb 07	1.20	13.60	14.15	14.70	15.25	15.80	1.67	12.45	20.84839
15 Feb 07	1.15	13.65	14.20	14.75	15.30	15.85	1.67	12.48	20.90178
16 Feb 07	1.15	13.70	14.25	14.80	15.35	15.90	1.67	12.53	20.90707
19 Feb 07	0.80	12.75	13.30	13.85	14.40	14.95	1.67	11.68	19.51137
20 Feb 07	0.90	12.25	12.80	13.30	13.80	14.35	1.67	11.23	18.78479
21 Feb 07	0.95	12.90	13.45	14.00	14.55	15.10	1.66	11.83	19.63965
22 Feb 07	0.90	13.05	13.60	14.15	14.70	15.25	1.66	11.94	19.86368
23 Feb 07	0.95	14.05	15.05	15.60	16.15	16.70	1.66	13.08	21.75623
26 Feb 07	1.00	15.30	15.85	16.40	16.95	17.50	1.66	13.83	22.98063
27 Feb 07	1.00	15.00	15.60	16.15	16.70	17.30	1.67	13.63	22.77724
28 Feb 07	0.95	14.90	15.45	16.00	16.55	17.10	1.68	13.49	22.63226
01 Mar 07	1.00	15.25	15.75	16.30	16.80	17.35	1.68	13.74	23.06199
02 Mar 07	1.10	14.85	15.40	15.95	16.50	17.05	1.69	13.48	22.71238
05 Mar 07	1.00	13.65	14.20	14.75	15.30	15.85	1.70	12.46	21.16049
06 Mar 07	1.05	13.75	14.30	14.80	15.30	15.85	1.69	12.51	21.18086
07 Mar 07	1.15	14.25	14.80	15.35	15.90	16.45	1.69	12.98	21.95731
08 Mar 07	1.15	14.75	15.30	15.80	16.40	16.95	1.69	13.39	22.60398
09 Mar 07	1.35	14.80	15.35	15.85	16.40	16.95	1.68	13.45	22.60002
12 Mar 07	1.35	15.10	15.65	16.20	16.75	17.30	1.68	13.73	23.04817
13 Mar 07	1.25	15.00	15.60	16.20	16.80	17.40	1.68	13.71	23.07543
14 Mar 07	1.25	15.00	15.60	16.15	16.75	17.35	1.68	13.68	23.05327
15 Mar 07	1.25	15.50	16.05	16.60	17.25	17.80	1.68	14.08	23.58853
16 Mar 07	1.20	15.45	16.00	16.55	17.10	17.65	1.67	13.99	23.38837
19 Mar 07	1.05	15.60	16.15	16.70	17.25	17.80	1.66	14.09	23.45152
20 Mar 07	1.05	16.50	17.05	17.60	18.15	18.70	1.66	14.84	24.59009
21 Mar 07	1.05	16.45	17.00	17.55	18.10	18.65	1.66	14.80	24.5198
22 Mar 07	1.00	16.45	17.00	17.50	18.05	18.60	1.65	14.77	24.40108
23 Mar 07	1.00	16.35	16.90	17.40	17.95	18.50	1.65	14.68	24.21753
26 Mar 07	1.00	17.25	17.80	18.35	18.90	19.45	1.65	15.46	25.43926
27 Mar 07	1.04	16.95	17.50	18.05	18.60	19.15	1.65	15.22	25.1223
28 Mar 07	1.20	17.34	17.86	18.39	18.91	19.44	1.65	15.52	25.66836
29 Mar 07	1.36	17.49	18.02	18.56	19.09	19.62	1.65	15.69	25.9364
30 Mar 07	1.31	17.48	18.03	18.58	19.13	19.68	1.65	15.70	25.91346
02 Apr 07	1.03	16.83	17.37	17.92	18.45	18.98	1.64	15.10	24.70646
03 Apr 07	0.90	15.89	16.45	17.00	17.55	18.00	1.64	14.30	23.45002
04 Apr 07	0.85	16.13	16.67	17.22	17.77	18.31	1.63	14.49	23.6464
05 Apr 07	0.83	16.58	17.13	17.68	18.23	18.78	1.64	14.87	24.35228
09 Apr 07	0.83	16.04	16.59	17.14	17.69	18.24	1.63	14.42	23.57839
10 Apr 07	0.83	16.65	17.20	17.70	18.30	18.85	1.63	14.92	24.25554
11 Apr 07	0.80	17.03	17.58	18.13	18.68	19.23	1.63	15.24	24.8194
12 Apr 07	0.80	17.45	17.98	18.53	19.08	19.63	1.63	15.58	25.33526
13 Apr 07	0.76	17.83	18.35	18.88	19.40	19.93	1.62	15.86	25.75274
16 Apr 07	0.72	17.82	18.37	18.92	19.47	20.02	1.63	15.89	25.83326

17 Apr 07	0.68	17.80	18.34	18.88	19.42	19.96	1.62	15.85	25.69997
18 Apr 07	0.56	17.50	18.03	18.58	19.13	19.68	1.62	15.58	25.28852
19 Apr 07	0.51	17.14	17.69	18.24	18.79	19.34	1.63	15.29	24.90997
20 Apr 07	0.63	17.45	17.95	18.50	19.03	19.55	1.62	15.52	25.18602
23 Apr 07	0.68	18.00	18.54	19.07	19.61	20.14	1.63	16.01	26.09704
24 Apr 07	0.68	18.04	18.56	19.08	19.60	20.12	1.65	16.01	26.41472
25 Apr 07	0.64	18.22	18.74	19.26	19.78	20.30	1.64	16.16	26.42358
26 Apr 07	0.54	18.08	18.60	19.13	19.65	20.18	1.65	16.03	26.38519
27 Apr 07	0.53	18.15	18.69	19.22	19.76	20.29	1.64	16.11	26.46763
30 Apr 07	0.53	19.01	19.54	20.07	20.60	21.13	1.64	16.81	27.62148
01 May 07	0.58	19.35	19.87	20.40	20.93	21.46	1.64	17.10	28.09598
02 May 07	0.56	18.98	19.43	19.90	20.46	20.96	1.65	16.72	27.53119
03 May 07	0.54	19.10	19.40	19.85	20.30	20.75	1.64	16.66	27.38741
04 May 07	0.54	19.31	19.60	20.05	20.50	20.95	1.65	16.83	27.839
07 May 07	0.53	19.78	20.10	20.50	20.90	21.30	1.65	17.19	28.32292
08 May 07	0.47	19.84	20.00	20.43	20.88	21.33	1.63	17.16	28.04816
09 May 07	0.40	19.62	19.95	20.42	20.90	21.37	1.63	17.11	27.9444
10 May 07	0.30	19.35	19.68	20.12	20.55	20.98	1.63	16.83	27.40397
11 May 07	0.32	19.90	20.23	20.60	20.95	21.30	1.63	17.22	28.00337
14 May 07	0.33	20.39	20.74	21.17	21.59	22.02	1.63	17.71	28.81306
15 May 07	0.29	20.60	20.93	21.43	21.93	22.43	1.63	17.94	29.2458
16 May 07	0.33	20.84	21.17	21.67	22.17	22.67	1.64	18.14	29.76581
17 May 07	0.30	21.43	21.77	22.18	22.70	23.15	1.64	18.59	30.44759
18 May 07	0.28	21.75	22.10	22.60	23.11	23.61	1.64	18.91	30.99948
21 May 07	0.30	22.01	22.34	22.80	23.25	23.70	1.64	19.07	31.24529
22 May 07	0.29	21.75	22.13	22.50	22.95	23.40	1.64	18.84	30.92028
23 May 07	0.29	22.12	22.43	22.87	23.30	23.73	1.63	19.12	31.24107
24 May 07	0.29	23.25	23.57	24.07	24.57	25.07	1.64	20.14	33.03074
25 May 07	0.29	24.08	24.38	24.85	25.33	25.80	1.64	20.79	34.15802
28 May 07	0.30	24.15	24.45	24.92	25.40	25.87	1.64	20.85	34.22042
29 May 07	0.27	25.15	25.45	26.02	26.43	26.90	1.64	21.70	35.65849
30 May 07	0.27	22.97	23.30	23.80	24.30	24.80	1.63	19.91	32.49604
31 May 07	0.29	23.00	23.38	23.85	24.35	23.80	1.62	19.78	32.12908
01 Jun 07	0.29	23.88	24.22	24.67	25.12	25.57	1.62	20.63	33.30987
04 Jun 07	0.29	24.61	24.92	25.37	25.80	26.10	1.62	21.18	34.24427
05 Jun 07	0.28	23.36	23.55	23.90	24.40	24.90	1.61	20.07	32.38773
06 Jun 07	0.29	23.35	23.63	24.03	24.45	24.80	1.61	20.09	32.28532
07 Jun 07	0.27	22.77	23.04	23.45	23.80	24.10	1.60	19.57	31.23245
08 Jun 07	0.27	23.03	23.32	23.73	24.15	24.57	1.58	19.85	31.42624
11 Jun 07	0.25	22.78	23.08	23.45	23.75	24.05	1.58	19.56	30.94313
12 Jun 07	0.24	22.70	23.00	23.40	23.85	24.30	1.58	19.58	30.96525
13 Jun 07	0.22	23.65	23.95	24.40	24.85	25.30	1.58	20.40	32.31789
14 Jun 07	0.19	23.65	23.95	24.40	24.85	25.30	1.59	20.39	32.4554
15 Jun 07	0.17	22.78	23.13	23.53	23.95	24.40	1.59	19.66	31.23534
18 Jun 07	0.14	21.90	22.10	22.48	22.85	23.23	1.59	18.78	29.86042
19 Jun 07	0.14	21.19	21.40	21.80	22.25	22.70	1.59	18.25	28.94531
20 Jun 07	0.13	21.84	22.07	22.52	22.97	23.42	1.59	18.83	29.89426
21 Jun 07	0.12	21.62	21.91	22.36	22.81	23.26	1.58	18.68	29.5228
22 Jun 07	0.12	21.89	22.13	22.57	23.00	23.43	1.59	18.86	29.99642
25 Jun 07	0.11	21.18	21.48	21.88	22.31	22.73	1.59	18.28	29.08463
26 Jun 07	0.13	21.07	21.37	21.84	22.17	22.57	1.59	18.19	28.93351
27 Jun 07	0.13	21.43	21.73	22.11	22.48	22.86	1.61	18.46	29.6323
28 Jun 07	0.14	22.36	22.67	22.99	23.31	23.61	1.59	19.18	30.45575
29 Jun 07	0.13	22.29	22.61	23.01	23.41	23.81	1.60	19.21	30.66152
02 Jul 07	0.14	21.70	22.02	22.40	22.82	23.22	1.59	18.72	29.68553
03 Jul 07	0.13	21.16	21.49	21.89	22.29	22.71	1.59	18.28	29.11019
04 Jul 07	0.13	21.05	21.38	21.76	22.25	22.70	1.59	18.21	28.89982
05 Jul 07	0.14	21.48	21.80	22.13	22.55	22.98	1.59	18.51	29.39526
06 Jul 07	0.15	21.80	22.15	22.53	23.00	23.43	1.59	18.84	29.91936
09 Jul 07	0.14	21.12	21.45	21.74	22.16	22.58	1.58	18.20	28.82585
10 Jul 07	0.14	21.00	21.33	21.70	22.07	22.44	1.59	18.11	28.86603
11 Jul 07	0.14	20.67	21.00	21.40	21.75	22.04	1.59	17.83	28.44288
12 Jul 07	0.13	19.79	20.13	20.50	20.88	21.28	1.59	17.12	27.2581
13 Jul 07	0.13	19.89	20.21	20.63	21.02	21.40	1.59	17.21	27.28581
16 Jul 07	0.13	18.88	19.23	19.60	19.97	20.33	1.58	16.36	25.85294

17 Jul 07	0.14	19.25	19.58	19.93	20.28	20.63	1.58	16.64	26.27426
18 Jul 07	0.13	18.91	19.28	19.65	20.05	20.46	1.57	16.41	25.80774
19 Jul 07	0.12	19.35	19.72	20.10	20.50	20.85	1.57	16.77	26.30958
20 Jul 07	0.13	19.58	19.96	20.34	20.73	21.13	1.57	16.98	26.67855
23 Jul 07	0.12	19.25	19.62	20.00	20.34	20.72	1.56	16.68	26.05515
24 Jul 07	0.12	19.30	19.69	20.09	20.46	20.84	1.57	16.75	26.24944
25 Jul 07	0.12	19.98	20.38	20.75	21.13	21.50	1.55	17.31	26.87368
26 Jul 07	0.12	20.07	20.48	20.84	21.26	21.59	1.58	17.39	27.42546
27 Jul 07	0.12	20.30	20.68	21.00	21.42	21.79	1.60	17.55	28.08664
30 Jul 07	0.11	20.85	21.24	21.63	22.02	22.41	1.60	18.04	28.90214
31 Jul 07	0.12	21.15	21.54	21.92	22.30	22.68	1.61	18.29	29.39249
01 Aug 07	0.11	20.46	20.90	21.26	21.65	22.07	1.60	17.74	28.4428
02 Aug 07	0.09	20.70	21.11	21.48	21.88	22.30	1.60	17.93	28.62104
03 Aug 07	0.09	20.39	20.81	21.21	21.59	22.02	1.61	17.69	28.50051
06 Aug 07	0.09	19.60	20.02	20.42	20.82	21.23	1.61	17.03	27.35048
07 Aug 07	0.09	20.05	20.44	20.84	21.24	21.64	1.61	17.38	27.90389
08 Aug 07	0.10	19.91	20.32	20.74	21.14	21.55	1.60	17.29	27.6765
09 Aug 07	0.10	19.65	20.08	20.48	20.89	21.30	1.61	17.08	27.48092
10 Aug 07	0.10	19.06	19.49	19.87	20.27	20.68	1.62	16.58	26.8795
13 Aug 07	0.10	19.60	20.00	20.37	20.78	21.20	1.62	17.01	27.46914
14 Aug 07	0.11	19.40	19.86	20.29	20.69	21.15	1.62	16.92	27.43453
15 Aug 07	0.11	19.65	20.13	20.58	21.01	21.50	1.64	17.16	28.11958
16 Aug 07	0.11	19.29	19.77	20.24	20.73	21.24	1.70	16.90	28.64707
17 Aug 07	0.11	19.40	19.90	20.37	20.85	21.36	1.69	17.00	28.73782
20 Aug 07	0.11	19.20	19.77	20.24	20.74	21.25	1.67	16.89	28.21618
21 Aug 07	0.11	19.18	19.81	20.42	21.01	21.60	1.68	17.02	28.60451
22 Aug 07	0.11	18.63	19.30	19.94	20.59	21.23	1.68	16.63	27.92238
23 Aug 07	0.11	18.81	19.49	20.17	20.90	21.62	1.65	16.85	27.86721
24 Aug 07	0.11	18.63	19.30	19.99	20.71	21.44	1.65	16.70	27.60736
27 Aug 07	0.11	18.40	19.05	19.75	20.45	21.20	1.65	16.49	27.14256
28 Aug 07	0.11	19.38	20.00	20.66	21.32	21.97	1.67	17.24	28.7443
29 Aug 07	0.10	19.93	20.53	21.02	21.67	22.39	1.66	17.61	29.2995
30 Aug 07	0.11	19.40	19.99	20.59	21.16	21.75	1.67	17.17	28.7096
31 Aug 07	0.10	19.40	19.98	20.59	21.19	21.78	1.66	17.17	28.584
03 Sep 07	0.10	19.77	20.37	20.97	21.57	22.17	1.66	17.49	29.0313
04 Sep 07	0.10	20.91	21.50	22.09	22.68	23.27	1.65	18.43	30.41615
05 Sep 07	0.10	20.25	20.85	21.45	22.05	22.65	1.66	17.89	29.6761
06 Sep 07	0.10	20.53	21.13	21.73	22.33	22.93	1.65	18.13	29.91174
07 Sep 07	0.10	20.47	21.07	21.67	22.27	22.87	1.66	18.08	30.08272
10 Sep 07	0.09	20.31	20.91	21.51	22.11	22.71	1.67	17.94	29.99247
11 Sep 07	0.08	20.76	21.37	21.97	22.57	23.17	1.66	18.32	30.36612
12 Sep 07	0.09	21.10	21.70	22.30	22.90	23.50	1.65	18.60	30.67734
13 Sep 07	0.07	20.53	21.14	21.73	22.35	22.92	1.65	18.12	29.91644
14 Sep 07	0.07	20.70	21.29	21.87	22.46	23.05	1.65	18.24	30.03409
17 Sep 07	0.07	20.54	21.10	21.67	22.23	22.80	1.67	18.07	30.10479
18 Sep 07	0.06	20.80	21.30	21.80	22.35	22.90	1.64	18.20	29.87004
19 Sep 07	0.08	21.28	21.76	22.26	22.75	23.30	1.63	18.57	30.28864
20 Sep 07	0.08	21.77	22.22	22.67	23.12	23.57	1.63	18.91	30.854
21 Sep 07	0.08	21.75	22.20	22.75	23.25	23.75	1.63	18.96	30.88679
24 Sep 07	0.08	21.75	22.24	22.73	23.22	23.71	1.62	18.96	30.75356
25 Sep 07	0.08	21.39	21.86	22.34	22.83	23.32	1.62	18.64	30.18538
26 Sep 07	0.08	21.30	21.77	22.23	22.70	23.17	1.61	18.54	29.90787
27 Sep 07	0.08	21.60	22.06	22.54	23.00	23.47	1.61	18.79	30.18671
28 Sep 07	0.08	21.68	22.13	22.58	23.04	23.63	1.61	18.86	30.28556
01 Oct 07	0.07	21.60	22.10	22.58	23.06	23.60	1.59	18.84	29.98107
02 Oct 07	0.08	21.70	22.20	22.72	23.20	23.85	1.60	18.96	30.32972
03 Oct 07	0.07	21.38	21.91	22.46	22.98	23.60	1.60	18.73	29.92609
04 Oct 07	0.07	21.56	22.14	22.71	23.25	24.01	1.59	18.96	30.18307
05 Oct 07	0.11	21.52	22.11	22.70	23.30	24.07	1.57	18.97	29.86136
08 Oct 07	0.07	21.67	22.21	22.78	23.34	23.97	1.57	19.01	29.90683
09 Oct 07	0.07	21.65	22.23	22.83	23.45	24.10	1.57	19.06	29.87685
10 Oct 07	0.07	22.18	22.77	23.39	24.02	24.67	1.58	19.52	30.75463
11 Oct 07	0.07	22.36	22.92	23.53	24.16	24.80	1.58	19.64	30.95153
12 Oct 07	0.07	22.35	22.93	23.54	24.17	24.82	1.57	19.65	30.81702
15 Oct 07	0.07	22.60	23.18	23.70	24.32	24.95	1.58	19.80	31.31627

16 Oct 07	0.07	22.82	23.38	23.95	24.52	25.13	1.60	19.98	31.92515
17 Oct 07	0.07	23.00	23.52	24.10	24.68	25.46	1.60	20.14	32.12371
18 Oct 07	0.07	22.83	23.40	23.97	24.55	25.20	1.60	20.00	31.9165
19 Oct 07	0.07	22.62	23.16	23.72	24.29	24.92	1.60	19.80	31.73678
22 Oct 07	0.07	22.16	22.71	23.27	23.84	24.43	1.60	19.41	31.10248
23 Oct 07	0.07	22.34	22.89	23.45	24.01	24.61	1.59	19.56	31.06344
24 Oct 07	0.07	22.55	23.09	23.66	24.23	24.83	1.58	19.74	31.21732
25 Oct 07	0.07	22.78	23.32	23.97	24.52	25.17	1.58	19.97	31.4949
26 Oct 07	0.07	22.72	23.31	23.88	24.44	25.00	1.57	19.90	31.19099
29 Oct 07	0.07	22.88	23.48	24.02	24.60	25.20	1.57	20.04	31.39359
30 Oct 07	0.07	22.17	22.76	23.29	23.87	24.46	1.57	19.44	30.47857
31 Oct 07	0.09	22.27	22.81	23.39	23.99	24.59	1.55	19.52	30.33085
01 Nov 07	0.08	21.70	22.26	22.83	23.41	23.98	1.57	19.04	29.98741
02 Nov 07	0.08	21.50	22.05	22.66	23.20	23.76	1.57	18.88	29.7235
05 Nov 07	0.07	21.50	22.05	22.61	23.17	23.74	1.57	18.86	29.65774
06 Nov 07	0.07	21.52	22.02	22.57	23.14	23.70	1.57	18.84	29.60364
07 Nov 07	0.10	21.62	22.17	22.72	23.27	23.83	1.57	18.95	29.82651
08 Nov 07	0.11	21.65	22.18	22.73	23.28	23.84	1.59	18.97	30.09927
09 Nov 07	0.10	21.85	22.38	22.92	23.47	24.02	1.60	19.12	30.662
12 Nov 07	0.10	21.91	22.44	22.99	23.56	24.15	1.65	19.19	31.60596
13 Nov 07	0.10	22.30	22.86	23.41	23.97	24.65	1.64	19.55	32.03947
14 Nov 07	0.09	22.97	23.51	24.11	24.71	25.41	1.63	20.13	32.83444
15 Nov 07	0.09	22.60	23.14	23.73	24.35	25.07	1.65	19.83	32.63054
16 Nov 07	0.08	22.54	23.09	23.69	24.32	25.04	1.64	19.79	32.54896
19 Nov 07	0.08	22.85	23.37	23.94	24.55	25.29	1.66	20.01	33.19107
20 Nov 07	0.07	23.74	24.29	24.91	25.53	26.34	1.68	20.81	34.8696
21 Nov 07	0.07	23.72	24.23	24.83	25.45	26.16	1.70	20.74	35.28591
22 Nov 07	0.08	23.70	24.21	24.81	25.41	26.18	1.70	20.73	35.34644
23 Nov 07	0.08	23.69	24.21	24.81	25.41	26.20	1.69	20.73	35.12168
26 Nov 07	0.07	23.80	24.31	24.91	25.54	26.35	1.70	20.83	35.4071
27 Nov 07	0.07	23.53	24.02	24.62	25.24	26.03	1.70	20.59	34.93923
28 Nov 07	0.07	23.29	23.81	24.41	25.01	25.82	1.67	20.40	34.0131
29 Nov 07	0.04	22.70	23.23	23.82	24.43	25.23	1.68	19.91	33.36222
30 Nov 07	0.01	22.35	22.88	23.46	24.09	24.89	1.66	19.61	32.58973
03 Dec 07	0.03	22.98	23.49	24.07	24.71	25.53	1.66	20.14	33.50572
04 Dec 07	0.03	23.40	23.94	24.55	25.18	25.99	1.69	20.52	34.64022
05 Dec 07	0.03	22.81	23.35	23.96	24.58	25.39	1.68	20.02	33.64083
06 Dec 07	0.03	22.77	23.31	23.92	24.52	25.32	1.67	19.98	33.42526
07 Dec 07	0.03	22.30	22.85	23.46	24.02	24.82	1.67	19.58	32.67786
10 Dec 07	0.03	22.43	22.97	23.55	24.13	24.93	1.66	19.67	32.73175
11 Dec 07	0.03	22.51	23.06	23.63	24.23	25.02	1.66	19.75	32.69498
12 Dec 07	0.03	22.70	23.22	23.81	24.40	25.22	1.66	19.90	33.12573
13 Dec 07	0.03	22.80	23.35	23.92	24.53	25.32	1.67	19.99	33.34791
14 Dec 07	0.03	22.65	23.17	23.75	24.37	25.16	1.67	19.86	33.20868
17 Dec 07	0.01	22.35	22.87	23.45	24.03	24.83	1.68	19.59	32.84219
18 Dec 07		22.60	23.14	23.72	24.32	25.09	1.68	23.77	39.90794
19 Dec 07		22.45	22.99	23.58	24.21	25.03	1.67	23.65	39.59729
20 Dec 07		22.30	22.84	23.42	24.05	24.82	1.67	23.49	39.24157
21 Dec 07		21.93	22.53	23.11	23.72	24.48	1.66	23.15	38.38501
24 Dec 07		22.00	22.55	23.11	23.73	24.51	1.65	23.18	38.33998
27 Dec 07		21.87	22.38	22.97	23.65	24.43	1.67	23.06	38.4317
28 Dec 07		22.21	22.72	23.28	23.91	24.75	1.68	23.37	39.35953
31 Dec 07		22.41	22.94	23.51	24.14	24.97	1.67	23.59	39.29199
02 Jan 08		22.92	23.46	24.05	24.74	25.43	1.67	24.12	40.25339
03 Jan 08		23.54	24.06	24.65	25.31	26.12	1.67	24.74	41.39918
04 Jan 08		23.55	24.07	24.63	25.32	26.12	1.69	24.74	41.80943
07 Jan 08		23.66	24.18	24.77	25.43	26.25	1.69	24.86	41.97292
08 Jan 08		23.70	24.23	24.84	25.43	26.29	1.66	24.90	41.44697
09 Jan 08		23.42	23.95	24.55	25.18	26.00	1.67	24.62	41.03065
10 Jan 08		23.11	23.66	24.24	24.88	25.67	1.65	24.31	40.23441
11 Jan 08		23.11	23.63	24.21	24.70	25.67	1.66	24.26	40.25358
14 Jan 08		23.41	23.93	24.50	25.12	25.99	1.66	24.59	40.75092
15 Jan 08		23.17	23.69	24.28	24.91	25.74	1.67	24.36	40.62308
16 Jan 08		22.75	23.24	23.84	24.49	25.33	1.67	23.93	39.94965
17 Jan 08		22.23	22.70	23.26	23.87	24.80	1.66	23.38	38.89919

18 Jan 08	22.28	22.76	23.31	23.94	24.86	1.66	23.43	39.00453
21 Jan 08	20.84	21.32	21.85	22.45	23.40	1.68	21.97	36.86012
22 Jan 08	20.31	20.78	21.32	21.98	22.88	1.68	21.45	36.05817
23 Jan 08	20.03	20.50	21.04	21.68	22.57	1.68	21.16	35.57712
24 Jan 08	19.76	20.21	20.75	21.39	22.33	1.68	20.89	35.04732
25 Jan 08	21.04	21.48	22.01	22.65	23.60	1.67	22.16	36.98396
28 Jan 08	20.65	21.10	21.63	22.28	23.21	1.67	21.77	36.30423
29 Jan 08	20.70	21.17	21.69	22.33	23.25	1.66	21.83	36.31657
30 Jan 08	20.08	20.55	21.08	21.72	22.65	1.66	21.22	35.29403
31 Jan 08	19.10	19.57	20.10	20.75	21.66	1.66	20.24	33.49178
01 Feb 08	19.22	19.67	20.20	20.84	21.76	1.64	20.34	33.39355
04 Feb 08	19.19	19.67	20.18	20.82	21.74	1.63	20.32	33.15496
05 Feb 08	18.84	19.33	19.84	20.47	21.39	1.63	19.97	32.60759
06 Feb 08	19.97	20.45	20.97	21.65	22.61	1.63	21.13	34.47446
07 Feb 08	20.44	20.90	21.42	22.10	23.03	1.62	21.58	34.91431
08 Feb 08	20.39	20.88	21.41	22.10	23.03	1.62	21.56	34.95125
11 Feb 08	20.16	20.63	21.18	21.87	22.80	1.60	21.33	34.22835
12 Feb 08	19.97	20.43	21.01	21.72	22.66	1.61	21.16	34.12043
13 Feb 08	19.93	20.41	20.98	21.68	22.61	1.63	21.12	34.43073
14 Feb 08	20.72	21.21	21.81	22.46	23.40	1.62	21.92	35.50431
15 Feb 08	20.87	21.35	21.95	22.61	23.59	1.62	22.07	35.69107
18 Feb 08	20.93	21.41	22.01	22.69	23.65	1.61	22.14	35.53493
19 Feb 08	21.64	22.13	22.74	23.42	24.37	1.60	22.86	36.55542
20 Feb 08	21.50	22.00	22.60	23.25	24.21	1.60	22.71	36.38971
21 Feb 08	21.70	22.18	22.81	23.51	24.45	1.61	22.93	36.95066
22 Feb 08	21.48	21.96	22.61	23.28	24.22	1.61	22.71	36.51943
25 Feb 08	21.59	22.09	22.74	23.34	24.31	1.60	22.81	36.58847
26 Feb 08	21.35	21.85	22.50	23.15	24.11	1.60	22.59	36.22305
27 Feb 08	21.26	21.78	22.41	23.10	24.05	1.61	22.52	36.18808
28 Feb 08	21.16	21.66	22.31	23.02	23.93	1.60	22.42	35.91915
29 Feb 08	21.31	21.83	22.51	23.21	24.15	1.63	22.60	36.72835
03 Mar 08	20.88	21.40	22.14	22.80	23.74	1.62	22.19	35.86616
04 Mar 08	20.67	21.19	21.91	22.66	23.59	1.65	22.00	36.26339
05 Mar 08	21.24	21.78	22.51	23.26	24.20	1.64	22.60	37.05659
06 Mar 08	21.35	21.89	22.62	23.36	24.30	1.66	22.70	37.5969
07 Mar 08	21.38	21.92	22.67	23.40	24.34	1.65	22.74	37.56517
10 Mar 08	21.66	22.21	23.03	23.88	24.77	1.67	23.11	38.62803
11 Mar 08	21.86	22.41	23.14	23.88	24.86	1.65	23.23	38.42859
12 Mar 08	21.95	22.48	23.19	24.02	24.98	1.66	23.32	38.69784
13 Mar 08	22.55	23.10	23.81	24.64	25.59	1.65	23.94	39.44987
14 Mar 08	22.21	22.76	23.52	24.30	25.28	1.67	23.61	39.48375
17 Mar 08	21.43	21.97	22.65	23.45	24.38	1.71	22.78	39.0027
18 Mar 08	21.66	22.22	22.92	23.73	24.67	1.69	23.04	38.98855
19 Mar 08	21.56	22.12	22.83	23.63	24.60	1.71	22.95	39.12914
20 Mar 08	21.97	22.54	23.26	24.05	25.02	1.71	23.37	40.06845
25 Mar 08	22.54	23.12	23.83	24.64	25.60	1.70	23.95	40.76307
26 Mar 08	22.51	23.10	23.79	24.55	25.56	1.72	23.90	41.16311
27 Mar 08	22.26	22.84	23.53	24.31	25.28	1.71	23.64	40.53072
28 Mar 08	21.76	22.34	23.02	23.77	24.75	1.72	23.13	39.76914
31 Mar 08	22.27	22.85	23.53	24.29	25.28	1.73	23.64	40.84975
01 Apr 08	22.52	23.10	23.81	24.54	25.53	1.72	23.90	41.17891
02 Apr 08	23.42	24.00	24.71	25.43	26.41	1.72	24.79	42.52716
03 Apr 08	23.47	24.09	24.79	25.51	26.50	1.71	24.87	42.5176
04 Apr 08	23.31	23.96	24.61	25.35	26.34	1.70	24.71	42.1265
07 Apr 08	23.82	24.48	25.15	25.86	26.85	1.70	25.23	42.7728
08 Apr 08	23.51	24.18	24.87	25.58	26.55	1.69	24.94	42.11126
09 Apr 08	23.69	24.35	25.05	25.76	26.74	1.70	25.12	42.80502
10 Apr 08	24.44	25.08	25.78	26.50	27.48	1.69	25.86	43.6506
11 Apr 08	24.38	25.01	25.70	26.44	27.43	1.70	25.79	43.89006
14 Apr 08	25.00	25.63	26.34	27.09	28.07	1.71	26.43	45.16074
15 Apr 08	25.14	25.78	26.47	27.23	28.22	1.71	26.57	45.37995
16 Apr 08	24.80	25.45	26.15	26.90	27.89	1.70	26.24	44.54426
17 Apr 08	24.69	25.35	26.07	26.81	27.80	1.70	26.14	44.35405
18 Apr 08	24.51	25.16	25.87	26.65	27.64	1.69	25.97	43.92773
21 Apr 08	25.23	25.87	26.70	27.39	28.38	1.69	26.71	45.12068

22 Apr 08	25.34	25.99	26.76	27.46	28.45	1.69	26.80	45.34755
23 Apr 08	25.00	25.66	26.38	27.10	28.09	1.67	26.45	44.24457
24 Apr 08	24.51	25.13	25.87	26.61	27.55	1.67	25.93	43.24395
25 Apr 08	24.74	25.38	26.13	26.87	27.86	1.67	26.20	43.81191
28 Apr 08	24.63	25.27	26.01	26.79	27.78	1.67	26.10	43.50298
29 Apr 08	24.19	24.84	25.58	26.34	27.33	1.67	25.66	42.74743
30 Apr 08	23.88	24.54	25.31	26.04	27.03	1.66	25.36	41.98501
01 May 08	23.56	24.22	24.95	25.67	26.66	1.65	25.01	41.39147
02 May 08	24.50	25.15	25.81	26.51	27.39	1.65	25.87	42.59338
06 May 08	25.31	25.97	26.69	27.45	28.43	1.63	26.77	43.73038
07 May 08	25.03	25.67	26.40	27.18	28.13	1.63	26.48	43.2878
08 May 08	24.91	25.55	26.27	27.04	27.98	1.63	26.35	42.97012
09 May 08	25.17	25.82	26.52	27.29	28.28	1.64	26.62	43.68162
12 May 08	25.39	26.02	26.74	27.52	28.52	1.64	26.84	44.02195
13 May 08	25.04	25.67	26.37	27.14	28.14	1.64	26.47	43.52495
14 May 08	24.46	25.06	25.78	26.56	27.56	1.65	25.88	42.82814
15 May 08	24.68	25.30	26.01	26.76	27.75	1.64	26.10	42.85479
16 May 08	24.89	25.48	26.21	26.95	27.93	1.63	26.29	42.92659
19 May 08	25.31	25.91	26.61	27.33	28.33	1.63	26.70	43.42471
20 May 08	25.36	25.97	26.66	27.39	28.39	1.63	26.75	43.73289
21 May 08	25.73	26.35	27.03	27.78	28.77	1.64	27.13	44.49296
22 May 08	26.06	26.68	27.41	28.10	29.08	1.64	27.47	45.15804
23 May 08	26.11	26.72	27.41	28.14	29.14	1.64	27.50	45.1612
26 May 08	26.38	26.90	27.40	27.95	28.90	1.64	27.51	45.14669
27 May 08	26.34	26.95	27.59	28.31	29.30	1.64	27.70	45.3306
28 May 08	26.19	26.77	27.42	28.10	29.09	1.63	27.51	44.71786
29 May 08	26.59	27.15	27.79	28.53	29.44	1.62	27.90	45.21162
30 May 08	26.10	26.69	27.33	28.05	29.01	1.63	27.44	44.62325
02 Jun 08	26.34	26.93	27.56	28.29	29.26	1.63	27.68	45.0327
03 Jun 08	27.13	27.74	28.39	29.08	30.09	1.62	28.49	46.26918
04 Jun 08	26.60	27.21	27.84	28.56	29.56	1.61	27.95	45.08449
05 Jun 08	26.44	27.05	27.69	28.46	29.49	1.63	27.83	45.27264
06 Jun 08	27.54	28.17	28.86	29.59	30.65	1.64	28.96	47.434
09 Jun 08	27.49	28.13	28.79	29.55	30.61	1.65	28.91	47.58534
10 Jun 08	27.20	27.84	28.52	29.27	30.34	1.63	28.63	46.7696
11 Jun 08	27.32	27.97	28.63	29.39	30.45	1.64	28.75	47.22145
12 Jun 08	27.16	27.81	28.47	29.24	30.29	1.65	28.59	47.1781
13 Jun 08	27.00	27.65	28.32	29.08	30.14	1.64	28.44	46.53096
16 Jun 08	27.13	27.77	28.45	29.22	30.29	1.65	28.57	47.00462
17 Jun 08	27.24	27.87	28.55	29.31	30.37	1.64	28.67	47.10205
18 Jun 08	27.50	28.16	28.84	29.60	30.71	1.64	28.96	47.52291
19 Jun 08	27.64	28.33	29.04	29.84	31.04	1.63	29.18	47.54445
20 Jun 08	27.41	28.11	28.83	29.63	30.83	1.64	28.96	47.4221
23 Jun 08	27.77	28.50	29.28	30.10	31.35	1.63	29.40	47.95882
24 Jun 08	27.78	28.63	29.45	30.39	31.72	1.63	29.59	48.25329
25 Jun 08	27.59	28.42	29.27	30.26	31.66	1.63	29.44	48.11121
26 Jun 08	27.88	28.81	29.77	30.86	32.28	1.65	29.92	49.2969
27 Jun 08	28.34	29.29	30.24	31.42	32.82	1.64	30.42	50.00249
30 Jun 08	28.77	29.80	30.79	31.93	33.37	1.64	30.93	50.82857
01 Jul 08	29.33	30.53	31.71	32.90	34.38	1.66	31.77	52.59106
02 Jul 08	27.99	29.19	30.26	31.49	32.85	1.65	30.36	50.07561
03 Jul 08	27.45	28.64	29.74	30.98	32.46	1.63	29.85	48.78912
04 Jul 08	27.64	29.00	30.10	31.17	32.70	1.63	30.12	49.06976
07 Jul 08	27.51	28.67	29.82	30.92	32.32	1.64	29.85	49.05391
08 Jul 08	25.79	26.85	27.88	28.99	30.34	1.64	27.97	45.8877
09 Jul 08	26.02	27.11	28.12	29.17	30.51	1.65	28.19	46.42521
10 Jul 08	26.68	27.87	28.94	30.06	31.53	1.64	29.02	47.57756
11 Jul 08	27.45	28.75	29.85	31.00	32.48	1.65	29.91	49.29654
14 Jul 08	27.26	28.56	29.64	30.78	32.27	1.64	29.70	48.59725
15 Jul 08	26.32	27.61	28.71	29.85	31.32	1.62	28.76	46.72425
16 Jul 08	25.03	26.20	27.23	28.17	29.49	1.62	27.22	44.19855
17 Jul 08	25.76	26.89	27.85	28.82	30.17	1.63	27.90	45.55694
18 Jul 08	24.50	25.61	26.47	27.54	28.95	1.63	26.61	43.44138
21 Jul 08	24.49	25.59	26.52	27.49	28.79	1.63	26.58	43.32397
22 Jul 08	24.67	25.83	26.75	27.78	29.11	1.62	26.83	43.59012

23 Jul 08	24.74	25.85	26.89	27.99	29.31	1.63	26.96	43.95184
24 Jul 08	25.14	26.32	27.39	28.50	29.85	1.63	27.44	44.83007
25 Jul 08	24.94	26.11	27.21	28.38	29.68	1.64	27.26	44.74414
28 Jul 08	24.41	25.53	26.57	27.68	28.99	1.65	26.64	43.82655
29 Jul 08	23.63	24.72	25.76	26.85	28.08	1.64	25.81	42.22642
30 Jul 08	22.70	23.79	24.81	25.85	27.06	1.65	24.84	41.0125
31 Jul 08	22.06	23.10	24.12	25.17	26.39	1.66	24.17	40.00885
01 Aug 08	21.38	22.38	23.36	24.42	25.64	1.67	23.44	39.20562
04 Aug 08	21.21	22.25	23.26	24.31	25.56	1.68	23.32	39.08238
05 Aug 08	21.67	22.70	23.71	24.76	25.98	1.69	23.76	40.11076
06 Aug 08	22.26	23.33	24.37	25.49	26.76	1.70	24.44	41.46208
07 Aug 08	22.82	23.89	24.97	26.15	27.42	1.69	25.05	42.35241
08 Aug 08	22.61	23.70	24.73	25.83	27.09	1.69	24.79	41.87277
11 Aug 08	22.65	23.74	24.80	25.90	27.21	1.69	24.86	41.95868
12 Aug 08	23.31	24.38	25.38	26.59	27.93	1.71	25.52	43.52341
13 Aug 08	23.67	24.78	25.81	26.97	28.28	1.70	25.90	44.12736
14 Aug 08	23.43	24.50	25.52	26.64	27.95	1.70	25.61	43.54502
15 Aug 08	23.19	24.22	25.20	26.34	27.60	1.69	25.31	42.87255
18 Aug 08	23.59	24.68	25.68	26.80	28.07	1.69	25.76	43.64002
19 Aug 08	23.73	24.78	25.76	26.86	28.14	1.70	25.85	43.84158
20 Aug 08	24.42	25.49	26.50	27.61	28.92	1.69	26.59	44.89045
21 Aug 08	24.72	25.80	26.80	27.93	29.26	1.69	26.90	45.52285
22 Aug 08	24.58	25.67	26.67	27.80	29.13	1.70	26.77	45.63108
25 Aug 08	24.37	25.46	26.50	27.67	29.07	1.71	26.61	45.47093
26 Aug 08	24.72	25.81	26.80	27.92	29.25	1.71	26.90	46.0443
27 Aug 08	25.14	26.25	27.27	28.32	29.67	1.71	27.33	46.86389
28 Aug 08	25.17	26.28	27.27	28.40	29.74	1.71	27.37	46.69375
29 Aug 08	25.19	26.29	27.24	28.38	29.68	1.71	27.36	46.73668
01 Sep 08	24.96	26.06	27.00	28.14	29.45	1.72	27.12	46.56483
02 Sep 08	24.72	25.80	26.74	27.84	29.14	1.73	26.85	46.44418
03 Sep 08	24.45	25.52	26.47	27.61	28.91	1.73	26.59	46.13678
04 Sep 08	24.65	25.72	26.68	27.84	29.13	1.74	26.80	46.59812
05 Sep 08	24.40	25.46	26.42	27.57	28.86	1.75	26.54	46.46062
08 Sep 08	24.19	25.25	26.20	27.25	28.55	1.73	26.29	45.46833
09 Sep 08	22.86	23.91	24.84	25.87	27.06	1.76	24.91	43.89645
10 Sep 08	22.77	23.81	24.76	25.71	26.96	1.75	24.80	43.35807
11 Sep 08	23.07	24.11	25.03	25.99	27.24	1.74	25.09	43.66609
12 Sep 08	23.90	24.95	25.79	26.82	28.07	1.73	25.91	44.75251
15 Sep 08	23.03	24.07	24.94	25.94	27.20	1.77	25.04	44.36289
16 Sep 08	22.91	23.93	24.81	25.78	27.07	1.77	24.90	43.9805
17 Sep 08	23.25	24.29	25.17	26.19	27.50	1.80	25.28	45.58944
18 Sep 08	23.78	24.83	25.71	26.74	28.04	1.79	25.82	46.10504
19 Sep 08	24.68	25.73	26.61	27.66	28.98	1.73	26.73	46.36375
22 Sep 08	24.85	25.89	26.75	27.83	29.15	1.75	26.89	46.97557
23 Sep 08	25.06	26.05	26.84	27.94	29.27	1.76	27.03	47.47831
24 Sep 08	24.65	25.57	26.32	27.43	28.69	1.75	26.53	46.53646
25 Sep 08	24.67	25.55	26.27	27.32	28.53	1.75	26.47	46.31071
26 Sep 08	24.45	25.43	26.17	27.20	28.50	1.76	26.35	46.35731
29 Sep 08	23.19	24.11	24.84	25.89	27.14	1.80	25.03	45.058
30 Sep 08	22.35	23.29	24.05	25.06	26.23	1.78	24.20	43.08924
01 Oct 08	22.83	23.84	24.56	25.59	26.82	1.78	24.73	43.94033
02 Oct 08	23.14	24.09	24.85	25.90	27.10	1.79	25.02	44.65754
03 Oct 08	23.07	24.01	24.80	25.82	27.01	1.78	24.94	44.35694
06 Oct 08	22.08	23.01	23.77	24.75	25.90	1.92	23.90	45.79248
07 Oct 08	22.25	23.09	23.78	24.69	25.77	1.91	23.92	45.59981
08 Oct 08	21.81	22.60	23.23	24.19	25.29	2.02	23.42	47.40562
09 Oct 08	22.50	23.36	24.01	24.96	26.15	1.96	24.20	47.41924
10 Oct 08	22.04	22.81	23.42	24.30	25.44	2.09	23.60	49.35742
13 Oct 08	22.84	23.40	23.98	24.88	25.94	1.99	24.21	48.09132
14 Oct 08	23.29	23.80	24.42	25.29	26.34	1.95	24.63	48.11227
15 Oct 08	22.82	23.31	24.01	24.90	25.97	2.01	24.20	48.55645
16 Oct 08	21.91	22.67	23.42	24.21	25.45	1.96	23.53	46.131
17 Oct 08	21.68	22.43	23.19	24.08	25.27	1.94	23.33	45.17594
20 Oct 08	21.80	22.49	23.26	24.21	25.38	1.90	23.43	44.48063
21 Oct 08	21.25	21.87	22.62	23.55	24.73	1.92	22.80	43.70486

22 Oct 08	19.90	20.57	21.25	22.19	23.40	1.91	21.46	41.05031
23 Oct 08	20.19	20.74	21.35	22.27	23.48	1.96	21.61	42.43386
24 Oct 08	19.14	19.70	20.28	21.19	22.32	2.03	20.53	41.67081
27 Oct 08	17.87	18.37	18.83	19.52	20.51	2.06	19.02	39.25081
28 Oct 08	17.63	18.15	18.54	19.19	20.16	1.98	18.73	37.08089
29 Oct 08	18.45	18.98	19.39	20.00	21.01	1.93	19.57	37.69849
30 Oct 08	18.12	18.70	19.14	19.76	20.85	1.90	19.31	36.74986
31 Oct 08	17.94	18.55	18.94	19.48	20.58	1.91	19.12	36.44567
03 Nov 08	18.25	18.88	19.24	19.82	20.95	1.86	19.43	36.22173
04 Nov 08	18.94	19.57	19.97	20.57	21.69	1.87	20.15	37.5967
05 Nov 08	18.54	19.17	19.60	20.23	21.35	1.88	19.78	37.11883
06 Nov 08	18.20	18.82	19.26	19.87	21.00	1.91	19.43	37.06866
07 Nov 08	18.69	19.34	19.75	20.43	21.65	1.89	19.97	37.69669
10 Nov 08	18.51	19.15	19.65	20.43	21.64	1.90	19.88	37.81081
11 Nov 08	17.94	18.60	19.15	19.92	21.13	1.91	19.35	36.91023
12 Nov 08	17.95	18.55	19.05	19.82	20.91	1.96	19.26	37.69855
13 Nov 08	17.95	18.50	18.97	19.75	20.80	1.95	19.19	37.44051
14 Nov 08	17.43	18.05	18.55	19.31	20.41	1.93	18.75	36.21256
17 Nov 08	17.03	17.69	18.23	19.01	20.13	1.94	18.42	35.66638
18 Nov 08	16.55	17.25	17.81	18.56	19.70	1.94	17.97	34.89459
19 Nov 08	16.33	17.03	17.60	18.35	19.43	1.94	17.75	34.45562
20 Nov 08	14.92	15.54	16.05	16.76	17.70	2.02	16.19	32.79015
21 Nov 08	15.03	15.68	16.28	16.88	17.79	2.02	16.33	32.96547
24 Nov 08	15.86	16.55	17.13	17.78	18.72	1.99	17.21	34.23277
25 Nov 08	15.76	16.46	17.10	17.73	18.68	2.01	17.15	34.42936
26 Nov 08	15.63	16.27	16.80	17.54	18.41	1.98	16.93	33.5336
27 Nov 08	16.31	17.05	17.73	18.29	19.23	1.95	17.72	34.60379
28 Nov 08	15.52	16.19	16.88	17.57	18.51	1.94	16.93	32.83892
01 Dec 08	15.53	16.21	16.90	17.53	18.42	1.95	16.92	33.05651
02 Dec 08	15.36	16.05	16.74	17.39	18.27	1.99	16.76	33.30178
03 Dec 08	15.22	15.90	16.53	17.20	18.05	1.97	16.58	32.66181
04 Dec 08	14.82	15.49	16.12	16.81	17.65	1.98	16.18	32.08787
05 Dec 08	13.72	14.36	14.97	15.58	16.38	1.99	15.00	29.82628
08 Dec 08	14.45	15.10	15.72	16.35	17.20	1.95	15.76	30.79015
09 Dec 08	14.28	14.90	15.53	16.12	16.99	1.96	15.56	30.57073
10 Dec 08	14.37	15.04	15.64	16.31	17.16	1.98	15.70	31.09595
11 Dec 08	14.86	15.64	16.25	16.91	17.80	1.97	16.29	32.15789
12 Dec 08	14.88	15.58	16.15	16.81	17.75	2.03	16.23	32.93163
15 Dec 08	15.30	15.95	16.49	17.21	18.16	2.05	16.62	34.13784
16 Dec 08		15.93	16.45	17.15	18.05	2.04	16.90	34.44057
17 Dec 08		15.95	16.44	17.06	17.95	2.04	16.85	34.44434
18 Dec 08		15.73	16.25	16.90	17.75	2.04	16.66	34.05714
19 Dec 08		15.74	16.21	16.89	17.77	2.03	16.65	33.83131
22 Dec 08		16.07	16.57	17.22	18.10	2.03	16.99	34.45659
23 Dec 08		15.81	16.33	16.98	17.86	2.05	16.75	34.32927
24 Dec 08		15.75	16.27	16.91	17.74	2.05	16.67	34.18143
29 Dec 08		15.81	16.38	17.02	17.90	2.04	16.78	34.1653
30 Dec 08		16.02	16.58	17.23	18.07	2.04	16.98	34.67143
31 Dec 08		15.90	16.46	17.08	17.95	1.97	16.85	33.26514
02 Jan 09		15.55	16.11	16.74	17.60	1.96	16.50	32.34127
05 Jan 09		15.38	15.92	16.56	17.46	1.90	16.33	30.96575
06 Jan 09		15.69	16.20	16.86	17.67	1.87	16.61	30.99061
07 Jan 09		15.45	15.94	16.61	17.45	1.91	16.36	31.29624
08 Jan 09		14.76	15.27	15.87	16.65	1.93	15.64	30.23083
09 Jan 09		14.44	14.95	15.50	16.25	1.91	15.29	29.15774
12 Jan 09		13.94	14.37	14.91	15.59	1.95	14.70	28.68456
13 Jan 09		13.78	14.18	14.74	15.39	1.99	14.52	28.95518
14 Jan 09		13.28	13.63	14.16	14.82	1.99	13.97	27.86722
15 Jan 09		13.25	13.62	14.14	14.77	1.98	13.95	27.63822
16 Jan 09		12.60	12.98	13.52	14.09	1.98	13.30	26.38562
19 Jan 09		11.63	12.00	12.52	13.07	1.95	12.31	24.04513
20 Jan 09		11.51	11.97	12.47	12.99	1.98	12.24	24.20303
21 Jan 09		11.50	11.90	12.41	12.97	1.97	12.20	24.01811
22 Jan 09		11.70	12.02	12.51	13.06	1.97	12.32	24.31724
23 Jan 09		11.67	12.00	12.46	13.11	1.98	12.31	24.33092

26 Jan 09	12.11	12.46	12.92	13.53	1.99	12.76	25.39635
27 Jan 09	11.91	12.26	12.74	13.38	1.99	12.57	25.02596
28 Jan 09	11.74	12.08	12.54	13.18	1.97	12.39	24.41398
29 Jan 09	11.88	12.20	12.67	13.29	1.98	12.51	24.79298
30 Jan 09	11.85	12.17	12.66	13.29	2.01	12.49	25.13005
02 Feb 09	11.29	11.69	12.11	12.76	2.03	11.96	24.31214
03 Feb 09	10.61	10.94	11.41	12.02	2.00	11.25	22.44864
04 Feb 09	10.43	10.72	11.19	11.78	1.99	11.03	21.93388
05 Feb 09	10.20	10.48	10.95	11.53	1.96	10.79	21.17082
06 Feb 09	10.07	10.35	10.82	11.40	1.92	10.66	20.43181
09 Feb 09	10.05	10.32	10.80	11.37	1.92	10.64	20.36714
10 Feb 09	9.33	9.57	10.04	10.60	1.97	9.89	19.49126
11 Feb 09	8.49	8.72	9.19	9.73	1.97	9.03	17.79822
12 Feb 09	8.20	8.43	8.90	9.43	1.98	8.74	17.26436
13 Feb 09	8.63	8.95	9.43	10.02	1.96	9.26	18.10428
16 Feb 09	8.40	8.72	9.19	9.78	1.97	9.02	17.74259
17 Feb 09	8.64	8.96	9.44	10.04	1.97	9.27	18.30424
18 Feb 09	9.68	9.98	10.47	11.07	1.97	10.30	20.26722
19 Feb 09	10.81	11.18	11.75	12.45	1.96	11.55	22.64821
20 Feb 09	9.97	10.33	10.87	11.55	1.98	10.68	21.18695
23 Feb 09	9.64	9.94	10.47	11.18	1.98	10.31	20.36527
24 Feb 09	9.36	9.72	10.25	10.96	1.98	10.07	19.90281
25 Feb 09	9.74	10.11	10.69	11.44	1.97	10.50	20.69419
26 Feb 09	10.60	11.05	11.64	12.44	1.96	11.43	22.3687
27 Feb 09	10.09	10.53	11.13	11.93	1.97	10.92	21.52927
02 Mar 09	10.06	10.49	11.16	11.97	1.99	10.92	21.70889
03 Mar 09	10.98	11.41	12.13	13.02	1.96	11.89	23.31361
04 Mar 09	11.64	12.14	12.86	13.77	1.95	12.60	24.52211
05 Mar 09	11.64	12.14	12.86	13.77	1.97	12.60	24.76503
06 Mar 09	10.83	11.33	12.03	12.97	1.98	11.79	23.33773
09 Mar 09	11.65	12.20	12.95	13.98	1.99	12.45	24.82853
10 Mar 09	12.01	12.57	13.32	14.35	1.97	12.75	25.1141
11 Mar 09	11.69	12.33	13.10	14.15	1.97	12.55	24.77538
12 Mar 09	11.87	12.54	13.41	14.62	1.97	12.79	25.21763
13 Mar 09	12.29	12.99	13.90	15.05	1.96	13.26	26.01471
16 Mar 09	12.58	13.29	14.19	15.39	1.96	13.55	26.58548
17 Mar 09	12.58	13.29	14.19	15.39	1.97	13.55	26.64552
18 Mar 09	12.58	13.29	14.19	15.39	1.98	13.55	26.81501

	EURO			AUD		
Date	EJA Dec07	EUA Dec09-12	CER Dec09-12	EUA Dec07	EUA Dec09-12	CER Dec09-12
22-Apr-05	16.95	17.13		28.30	28.59	
25-Apr-05	17.55	17.73		29.25	29.54	
26-Apr-05	17.20	17.38		28.68	28.97	
27-Apr-05	16.45	16.63		27.40	27.69	
28-Apr-05	16.00	16.18		26.47	26.76	
29-Apr-05	16.50	16.68		27.18	27.46	
03-May-05	16.25	16.43		27.04	27.33	
04-May-05	16.20	16.38		26.86	27.15	
05-May-05	16.60	16.78		27.54	27.83	
06-May-05	16.60	16.78		27.43	27.72	
09-May-05	17.00	17.18		28.28	28.57	
10-May-05	17.10	17.28		28.35	28.64	
11-May-05	16.90	17.08		27.94	28.23	
12-May-05	16.75	16.93		27.78	28.07	
13-May-05	16.80	17.13		27.87	28.41	
16-May-05	16.90	17.13		28.25	28.62	
17-May-05	17.20	17.53		28.68	29.22	
18-May-05	17.45	17.78		29.05	29.59	
19-May-05	18.00	18.23		30.01	30.38	
20-May-05	18.75	18.93		31.16	31.45	
23-May-05	18.50	18.95		30.64	31.39	
24-May-05	19.10	19.39		31.47	31.94	
25-May-05	19.95	20.13		32.97	33.26	
26-May-05	19.75	20.03		32.54	32.99	
27-May-05	19.65	19.98		32.38	32.91	
31-May-05	19.90	20.18		32.43	32.88	
01-Jun-05	19.60	19.83		31.96	32.33	
02-Jun-05	19.50	19.66		31.71	32.30	
03-Jun-05	19.10	19.55		30.87	31.59	
06-Jun-05	19.30	19.78		30.94	31.70	
07-Jun-05	19.60	20.15		31.32	32.19	
08-Jun-05	19.80	20.25		31.65	32.37	
09-Jun-05	19.65	20.00		31.28	31.84	
10-Jun-05	19.65	20.00		31.25	31.81	
13-Jun-05	19.85	20.35		31.58	32.38	
14-Jun-05	19.90	20.44		31.36	32.21	
15-Jun-05	20.10	20.45		31.62	32.17	
16-Jun-05	20.60	20.85		32.24	32.63	
17-Jun-05	21.50	21.85		33.95	34.51	
20-Jun-05	22.95	23.35		35.92	36.54	
21-Jun-05	23.00	23.50		35.87	36.65	
22-Jun-05	23.20	23.55		36.12	36.67	
23-Jun-05	23.40	23.83		36.46	37.12	
24-Jun-05	24.00	24.30		37.74	38.21	
27-Jun-05	23.95	24.30		37.65	38.40	
28-Jun-05	24.50	24.90		38.75	39.38	
29-Jun-05	25.45	25.94		40.31	41.08	
30-Jun-05	25.80	26.50		41.02	42.13	
01-Jul-05	26.90	27.48		42.83	43.75	
04-Jul-05	29.45	29.90		46.76	47.47	
05-Jul-05	28.85	29.30		46.31	47.03	
06-Jul-05	29.30	29.93		47.16	48.17	
07-Jul-05	29.40	30.03		47.42	48.43	
08-Jul-05	29.70	30.50		47.89	49.18	
11-Jul-05	29.90	30.65		48.26	49.47	
12-Jul-05	29.45	30.03		47.60	48.53	
13-Jul-05	27.95	28.40		45.05	45.78	
14-Jul-05	24.00	24.53		38.56	39.41	
15-Jul-05	24.30	24.93		39.02	40.02	
18-Jul-05	24.70	25.13		39.51	40.19	
19-Jul-05	24.55	24.94		39.32	39.94	
20-Jul-05	20.90	21.75		33.59	34.96	
21-Jul-05	20.35	21.20		32.35	33.70	
22-Jul-05	20.10	20.45		31.73	32.28	
25-Jul-05	20.15	20.83		31.87	32.93	
26-Jul-05	20.80	21.50		32.96	34.07	
27-Jul-05	22.05	22.58		35.20	36.04	
28-Jul-05	22.05	22.55		35.22	36.01	
29-Jul-05	22.35	22.98		35.78	36.78	
01-Aug-05	21.45	22.10		34.30	35.34	

02-Aug-05	20.70	21.15	32.98	33.70
03-Aug-05	20.70	21.40	33.06	34.18
04-Aug-05	20.50	21.20	32.84	33.96
05-Aug-05	21.25	21.75	34.16	34.97
08-Aug-05	21.75	22.25	35.15	35.96
09-Aug-05	22.45	22.95	36.48	37.29
10-Aug-05	22.45	23.05	36.27	37.24
11-Aug-05	22.55	23.35	36.26	37.55
12-Aug-05	22.80	23.25	36.68	37.41
15-Aug-05	22.40	22.98	36.04	36.96
16-Aug-05	22.45	23.03	36.05	36.98
17-Aug-05	22.80	23.43	36.76	37.77
18-Aug-05	22.75	23.35	36.79	37.76
19-Aug-05	22.90	23.38	37.06	37.83
22-Aug-05	23.05	23.63	37.34	38.28
23-Aug-05	23.10	23.58	37.40	38.17
24-Aug-05	23.10	23.58	37.50	38.27
25-Aug-05	23.35	23.75	37.81	38.46
30-Aug-05	23.65	24.30	38.63	39.69
31-Aug-05	23.95	24.48	39.17	40.03
01-Sep-05	24.40	24.98	39.98	40.93
02-Sep-05	24.75	25.28	40.53	41.39
05-Sep-05	24.75	25.33	40.41	41.35
06-Sep-05	24.65	25.13	40.02	40.79
07-Sep-05	24.70	25.23	40.03	40.88
08-Sep-05	24.35	24.70	39.06	39.62
09-Sep-05	23.75	24.20	38.05	38.77
12-Sep-05	22.25	22.65	35.49	36.13
13-Sep-05	21.75	22.10	34.72	35.28
14-Sep-05	22.45	22.70	35.74	36.13
15-Sep-05	22.70	22.95	36.19	36.59
16-Sep-05	22.05	22.35	35.14	35.61
19-Sep-05	22.60	22.95	35.80	36.36
20-Sep-05	22.05	22.40	34.88	35.43
21-Sep-05	22.00	20.81	34.86	32.98
22-Sep-05	22.30	20.75	35.52	33.05
23-Sep-05	22.05	19.38	35.06	30.81
26-Sep-05	21.60	18.88	34.45	30.10
27-Sep-05	22.05	19.30	35.03	30.66
28-Sep-05	22.75	20.25	36.08	32.11
29-Sep-05	22.90	20.25	36.25	32.05
30-Sep-05	22.85	20.60	36.02	32.47
03-Oct-05	22.75	20.85	35.50	32.53
04-Oct-05	23.30	21.80	36.35	34.01
05-Oct-05	23.80	22.13	37.62	34.98
06-Oct-05	23.60	22.68	37.89	36.40
07-Oct-05	23.05	22.09	36.93	35.39
10-Oct-05	23.05	22.75	36.64	36.17
11-Oct-05	23.15	22.68	36.89	36.14
12-Oct-05	23.50	23.03	37.41	36.65
13-Oct-05	23.45	23.28	37.55	37.27
14-Oct-05	23.05	22.80	37.02	36.62
17-Oct-05	23.10	22.95	37.07	36.82
18-Oct-05	22.85	22.53	36.52	36.00
19-Oct-05	22.40	22.38	35.78	35.74
20-Oct-05	22.10	21.88	35.29	34.93
21-Oct-05	21.80	21.68	34.80	34.60
24-Oct-05	21.45	21.00	34.24	33.52
25-Oct-05	21.40	21.15	34.21	33.81
26-Oct-05	21.65	20.93	34.62	33.46
27-Oct-05	21.85	21.25	35.02	34.05
28-Oct-05	22.10	21.35	35.55	34.34
31-Oct-05	21.90	21.50	35.13	34.48
01-Nov-05	21.75	20.78	35.03	33.46
02-Nov-05	21.35	20.61	34.69	33.49
03-Nov-05	21.25	19.91	34.37	32.21
04-Nov-05	21.35	20.25	34.40	32.63
07-Nov-05	21.60	20.40	34.76	32.83
08-Nov-05	22.05	20.84	35.35	33.40
09-Nov-05	22.50	20.59	35.91	32.86
10-Nov-05	22.70	20.78	36.39	33.30
11-Nov-05	22.70	20.70	36.26	33.06
14-Nov-05	23.15	21.63	37.19	34.74

15-Nov-05	22.90	20.88	36.60	33.36
16-Nov-05	22.75	20.50	36.36	32.77
17-Nov-05	22.45	20.30	35.89	32.45
18-Nov-05	21.65	20.25	34.75	32.50
21-Nov-05	21.70	19.50	34.56	31.06
22-Nov-05	22.20	20.13	35.51	32.19
23-Nov-05	21.60	19.01	34.54	30.40
24-Nov-05	19.90	17.85	31.72	28.45
25-Nov-05	20.15	18.55	32.07	29.53
28-Nov-05	20.50	18.55	32.66	29.55
29-Nov-05	19.90	18.50	31.75	29.52
30-Nov-05	20.15	18.35	32.12	29.25
01-Dec-05	20.55	18.50	32.44	29.20
02-Dec-05	21.80	18.25	34.10	28.54
05-Dec-05	22.70	19.55	35.62	30.68
06-Dec-05	23.40	19.85	36.60	31.05
07-Dec-05	22.90	19.55	35.89	30.64
08-Dec-05	22.05	18.86	34.72	29.70
09-Dec-05	21.70	19.35	34.11	30.41
12-Dec-05	22.35	19.50	35.38	30.87
13-Dec-05	22.70	20.13	35.90	31.83
14-Dec-05	22.45	19.78	35.62	31.38
15-Dec-05	22.40	19.80	35.84	31.68
16-Dec-05	22.10	19.50	35.68	31.48
19-Dec-05	22.10	19.60	35.79	31.74
20-Dec-05	21.95	19.48	35.53	31.53
21-Dec-05	21.85	19.38	35.26	31.26
22-Dec-05	21.65	19.35	35.17	31.43
23-Dec-05	21.35	18.95	34.80	30.89
27-Dec-05	21.65	19.25	35.41	31.48
28-Dec-05	21.85	19.40	35.52	31.54
29-Dec-05	22.05	19.80	35.63	32.00
30-Dec-05	22.10	19.60	35.60	31.58
03-Jan-06	22.75	19.95	36.86	32.32
04-Jan-06	23.05	20.30	37.34	32.88
05-Jan-06	23.45	20.30	37.91	32.82
06-Jan-06	24.00	21.15	38.64	34.05
09-Jan-06	23.70	20.35	37.99	32.62
10-Jan-06	23.80	20.60	38.33	33.18
11-Jan-06	23.80	20.60	38.15	33.02
12-Jan-06	24.00	20.75	38.43	33.23
13-Jan-06	24.00	20.90	38.59	33.61
16-Jan-06	24.05	21.15	38.61	33.96
17-Jan-06	25.25	21.93	40.57	35.23
18-Jan-06	26.45	22.70	42.77	36.70
19-Jan-06	26.65	22.78	43.07	36.81
20-Jan-06	27.90	23.05	45.26	37.39
23-Jan-06	26.90	22.98	43.91	37.50
24-Jan-06	26.35	22.28	43.08	36.42
25-Jan-06	26.70	22.68	43.42	36.87
26-Jan-06	27.45	23.08	44.51	37.42
27-Jan-06	26.90	23.18	43.36	37.35
30-Jan-06	27.50	24.50	44.36	39.52
31-Jan-06	27.55	25.25	44.32	40.62
01-Feb-06	28.05	26.49	44.93	42.42
02-Feb-06	28.55	27.04	45.78	43.35
03-Feb-06	28.85	27.30	46.25	43.77
06-Feb-06	28.70	29.10	46.24	46.88
07-Feb-06	27.65	28.18	44.65	45.50
08-Feb-06	27.15	27.63	43.82	44.59
09-Feb-06	27.45	28.25	44.42	45.71
10-Feb-06	27.30	28.39	44.09	45.85
13-Feb-06	27.20	27.90	43.79	44.91
14-Feb-06	27.35	27.90	44.03	44.91
15-Feb-06	27.60	27.88	44.43	44.87
16-Feb-06	27.95	29.36	44.97	47.24
17-Feb-06	27.70	29.15	44.72	47.07
20-Feb-06	28.10	28.80	45.25	46.38
21-Feb-06	28.30	28.63	45.64	46.16
22-Feb-06	28.20	28.24	45.61	45.67
23-Feb-06	27.65	25.33	44.62	40.86
24-Feb-06	27.65	26.00	44.39	41.74
27-Feb-06	27.20	25.83	43.70	41.49

28-Feb-06	27.40	25.75	43.97	41.32
01-Mar-06	27.85	25.48	44.56	40.76
02-Mar-06	28.15	25.25	45.23	40.57
03-Mar-06	28.05	25.45	45.31	41.11
06-Mar-06	28.05	25.49	45.51	41.35
07-Mar-06	27.60	24.75	44.68	40.06
08-Mar-06	27.75	25.20	45.11	40.97
09-Mar-06	27.70	24.95	44.95	40.49
10-Mar-06	27.90	24.95	45.41	40.61
13-Mar-06	28.45	25.36	46.34	41.31
14-Mar-06	28.25	25.35	46.07	41.34
15-Mar-06	28.05	25.45	45.78	41.54
16-Mar-06	27.70	25.25	45.76	41.71
17-Mar-06	27.95	25.28	46.76	42.29
20-Mar-06	28.15	25.38	47.47	42.79
21-Mar-06	28.10	25.53	47.35	43.01
22-Mar-06	28.15	25.93	47.28	43.54
23-Mar-06	28.20	25.88	47.22	43.33
24-Mar-06	27.95	25.95	47.45	44.05
27-Mar-06	27.80	25.63	47.34	43.63
28-Mar-06	27.95	25.88	47.60	44.06
29-Mar-06	28.20	27.13	47.95	46.12
30-Mar-06	28.35	28.45	48.17	48.34
31-Mar-06	28.40	28.34	48.10	48.00
03-Apr-06	28.35	28.40	48.11	48.20
04-Apr-06	28.85	28.75	49.07	48.90
05-Apr-06	29.80	28.95	50.34	48.90
06-Apr-06	30.35	29.23	50.76	48.87
07-Apr-06	29.85	29.40	49.73	48.98
10-Apr-06	30.00	29.50	49.80	48.97
11-Apr-06	30.45	30.83	50.41	51.03
12-Apr-06	30.35	31.38	50.13	51.82
13-Apr-06	30.15	31.63	50.15	52.60
18-Apr-06	30.30	31.78	50.29	52.74
19-Apr-06	31.50	33.81	52.19	56.02
20-Apr-06	31.50	33.88	52.58	56.55
21-Apr-06	30.95	32.43	51.27	53.71
24-Apr-06	30.75	32.75	51.21	54.54
25-Apr-06	30.95	32.55	51.61	54.27
26-Apr-06	28.30	31.18	46.79	51.55
27-Apr-06	20.75	23.78	34.36	39.37
28-Apr-06	17.30	23.13	28.75	38.43
01-May-06	14.25	20.05	23.62	33.23
02-May-06	13.95	19.75	23.09	32.70
03-May-06	11.95	19.70	19.59	32.29
04-May-06	12.85	21.30	21.15	35.05
05-May-06	14.85	23.53	24.48	38.79
08-May-06	13.20	21.49	21.82	35.52
09-May-06	12.65	21.43	20.84	35.30
10-May-06	12.75	19.99	21.03	32.97
11-May-06	13.65	20.76	22.56	34.31
12-May-06	13.40	20.84	22.38	34.80
15-May-06	9.80	19.01	16.48	31.97
16-May-06	15.75	22.95	26.37	38.42
17-May-06	17.35	23.20	29.13	38.95
18-May-06	16.25	23.65	27.28	39.70
19-May-06	16.25	23.44	27.40	39.52
22-May-06	16.95	23.56	28.96	40.26
23-May-06	18.95	25.49	32.20	43.31
24-May-06	20.45	25.55	34.68	43.33
25-May-06	19.75	25.13	33.20	42.24
26-May-06	19.85	25.63	33.31	43.01
30-May-06	19.55	25.54	32.99	43.10
31-May-06	18.50	24.89	31.50	42.37
01-Jun-06	17.40	23.88	29.77	40.86
02-Jun-06	17.00	22.93	29.21	39.39
05-Jun-06	17.05	22.75	29.40	39.23
06-Jun-06	16.65	22.45	28.85	38.90
07-Jun-06	16.30	22.28	28.17	38.49
08-Jun-06	15.60	21.60	26.62	36.86
09-Jun-06	14.60	21.00	24.65	35.46
12-Jun-06	14.60	20.75	24.64	35.01
13-Jun-06	15.60	21.85	26.52	37.15

14-Jun-06	15.50	21.65	26.51	37.03
15-Jun-06	15.50	20.85	26.35	35.44
16-Jun-06	15.50	21.03	26.50	35.95
19-Jun-06	15.65	20.85	26.71	35.59
20-Jun-06	15.90	21.83	27.11	37.22
21-Jun-06	16.60	22.25	28.43	38.10
22-Jun-06	16.05	21.75	27.49	37.26
23-Jun-06	16.15	21.85	27.61	37.35
26-Jun-06	16.05	21.71	27.59	37.32
27-Jun-06	15.60	21.01	26.78	36.07
28-Jun-06	15.75	21.33	27.10	36.70
29-Jun-06	16.20	21.43	27.75	36.70
30-Jun-06	16.55	21.28	28.48	36.61
03-Jul-06	16.55	21.08	28.54	36.34
04-Jul-06	16.85	21.13	28.94	36.29
05-Jul-06	16.85	20.50	28.90	35.16
06-Jul-06	16.65	20.39	28.51	34.91
07-Jul-06	17.05	20.83	29.04	35.47
10-Jul-06	16.80	20.95	28.66	35.73
11-Jul-06	16.95	21.15	28.74	35.87
12-Jul-06	17.10	21.53	28.88	36.35
13-Jul-06	17.05	21.55	28.68	36.25
14-Jul-06	17.15	21.60	28.79	36.27
17-Jul-06	17.50	21.53	29.31	36.05
18-Jul-06	18.05	21.75	30.25	36.45
19-Jul-06	17.70	21.60	29.73	36.28
20-Jul-06	17.20	21.43	28.91	36.01
21-Jul-06	17.55	21.43	29.61	36.15
24-Jul-06	17.40	21.30	29.10	35.62
25-Jul-06	17.30	21.00	28.90	35.08
26-Jul-06	17.00	20.73	28.35	34.56
27-Jul-06	17.15	20.45	28.56	34.06
28-Jul-06	17.35	20.35	28.83	33.82
31-Jul-06	16.90	19.75	28.15	32.90
01-Aug-06	16.85	20.15	28.22	33.75
02-Aug-06	17.05	20.20	28.54	33.81
03-Aug-06	17.15	19.94	28.84	33.53
04-Aug-06	16.60	19.08	27.91	32.08
07-Aug-06	15.90	18.43	26.74	30.98
08-Aug-06	16.45	19.13	27.75	32.26
09-Aug-06	16.55	19.35	27.78	32.48
10-Aug-06	16.50	19.40	27.52	32.35
11-Aug-06	16.30	19.30	27.07	32.06
14-Aug-06	16.50	19.13	27.64	32.04
15-Aug-06	16.25	19.03	27.15	31.79
16-Aug-06	16.25	19.05	27.16	31.84
17-Aug-06	16.40	19.28	27.64	32.48
18-Aug-06	16.45	19.03	27.80	32.16
21-Aug-06	16.55	19.38	27.95	32.72
22-Aug-06	17.35	19.64	29.15	32.99
23-Aug-06	17.60	19.70	29.52	33.04
24-Aug-06	17.40	19.80	29.16	33.18
25-Aug-06	16.90	19.40	28.49	32.71
28-Aug-06	17.00	19.55	28.62	32.92
29-Aug-06	16.90	19.45	28.37	32.65
30-Aug-06	16.60	19.40	27.88	32.59
31-Aug-06	16.30	19.30	27.36	32.40
01-Sep-06	16.50	19.35	27.62	32.39
04-Sep-06	16.50	19.35	27.55	32.31
05-Sep-06	16.90	19.65	28.06	32.62
06-Sep-06	17.10	19.70	28.58	32.93
07-Sep-06	17.15	19.63	28.78	32.93
08-Sep-06	17.05	19.53	28.63	32.79
11-Sep-06	16.95	19.59	28.68	33.14
12-Sep-06	16.80	19.35	28.40	32.72
13-Sep-06	16.90	19.45	28.49	32.78
14-Sep-06	16.80	19.33	28.31	32.57
15-Sep-06	16.80	19.33	28.27	32.51
18-Sep-06	16.75	19.20	28.16	32.28
19-Sep-06	16.75	19.36	28.21	32.61
20-Sep-06	16.25	18.94	27.38	31.91
21-Sep-06	14.70	18.00	24.83	30.40
22-Sep-06	14.00	17.58	23.85	29.94

25-Sep-06	13.85	17.55	23.44	29.71
26-Sep-06	13.25	17.38	22.38	29.35
27-Sep-06	12.35	16.58	20.89	28.04
28-Sep-06	12.45	16.83	21.12	28.54
29-Sep-06	12.90	17.08	21.94	29.04
02-Oct-06	13.30	17.53	22.64	29.83
03-Oct-06	12.50	16.75	21.42	28.70
04-Oct-06	12.30	16.90	20.96	28.79
05-Oct-06	12.30	17.28	20.91	29.37
06-Oct-06	12.45	17.78	21.11	30.13
09-Oct-06	12.40	17.73	20.99	30.00
10-Oct-06	12.65	17.78	21.29	29.92
11-Oct-06	12.75	17.38	21.49	29.29
12-Oct-06	12.75	17.18	21.31	28.70
13-Oct-06	12.65	16.48	21.07	27.44
16-Oct-06	12.75	16.54	21.18	27.47
17-Oct-06	12.80	16.55	21.29	27.52
18-Oct-06	13.00	16.70	21.59	27.73
19-Oct-06	13.15	16.78	21.85	27.87
20-Oct-06	13.05	16.98	21.69	28.22
23-Oct-06	13.05	17.38	21.63	28.80
24-Oct-06	12.75	17.68	21.12	29.28
25-Oct-06	12.80	17.70	21.20	29.31
26-Oct-06	12.35	17.00	20.50	28.22
27-Oct-06	12.40	17.20	20.54	28.50
30-Oct-06	12.15	17.13	20.08	28.30
31-Oct-06	11.05	16.68	18.21	27.48
01-Nov-06	11.25	16.83	18.51	27.69
02-Nov-06	11.25	17.13	18.55	28.24
03-Nov-06	10.95	17.08	18.08	28.19
06-Nov-06	10.80	17.23	17.81	28.41
07-Nov-06	10.55	17.38	17.42	28.69
08-Nov-06	9.65	17.03	15.99	28.20
09-Nov-06	9.70	17.13	16.18	28.57
10-Nov-06	9.70	17.45	16.24	29.22
13-Nov-06	8.95	17.05	15.03	28.63
14-Nov-06	8.70	17.15	14.58	28.73
15-Nov-06	9.40	16.83	15.75	28.19
16-Nov-06	9.25	17.28	15.42	28.80
17-Nov-06	8.90	17.38	14.84	28.97
20-Nov-06	8.75	17.53	14.54	29.13
21-Nov-06	9.00	18.48	14.98	30.75
22-Nov-06	9.10	18.83	15.17	31.38
23-Nov-06	8.90	18.68	14.87	31.20
24-Nov-06	9.00	18.78	15.13	31.56
27-Nov-06	9.20	19.78	15.52	33.35
28-Nov-06	9.20	20.33	15.47	34.17
29-Nov-06	8.90	19.23	14.94	32.26
30-Nov-06	8.40	19.83	14.11	33.29
01-Dec-06	8.20	19.63	13.83	33.10
04-Dec-06	7.85	21.03	12.91	35.48
05-Dec-06	7.25	20.64	12.28	34.96
06-Dec-06	6.85	20.13	11.58	34.01
07-Dec-06	7.10	20.18	11.94	33.94
08-Dec-06	7.55	19.63	12.69	32.99
11-Dec-06	7.30	20.08	12.32	33.87
12-Dec-06	7.10	19.58	11.99	33.05
13-Dec-06	6.85	18.86	11.51	31.70
14-Dec-06	6.60	18.40	11.09	30.91
15-Dec-06	6.60	18.39	11.04	30.76
18-Dec-06	6.60	18.51	11.07	31.05
19-Dec-06	6.70	18.63	11.28	31.35
20-Dec-06	6.65	18.48	11.14	30.96
21-Dec-06	6.60	18.43	11.08	30.93
22-Dec-06	6.60	18.74	11.40	31.40
26-Dec-06	6.95	19.13	11.64	32.02
27-Dec-06	6.95	19.13	11.64	32.02
28-Dec-06	6.70	19.58	11.17	32.64
29-Dec-06	6.70	19.53	11.21	32.65
02-Jan-07	5.60	18.93	9.34	31.58
03-Jan-07	4.85	17.84	8.06	29.66
04-Jan-07	4.85	17.98	8.08	29.95
05-Jan-07	4.80	17.23	8.01	28.76

08-Jan-07	3.95	15.88	6.59	26.49
09-Jan-07	3.50	16.13	5.83	26.86
10-Jan-07	3.85	16.33	6.41	27.17
11-Jan-07	4.00	16.63	6.60	27.43
12-Jan-07	4.05	17.05	6.67	28.10
15-Jan-07	4.05	17.60	6.68	29.03
16-Jan-07	4.25	17.78	7.01	29.33
17-Jan-07	4.10	17.03	6.75	28.02
18-Jan-07	4.00	17.18	6.57	28.21
19-Jan-07	4.00	17.18	6.57	28.20
22-Jan-07	3.90	17.03	6.41	27.96
23-Jan-07	3.80	17.03	6.24	27.98
24-Jan-07	3.45	16.63	5.72	27.57
25-Jan-07	3.30	16.75	5.51	27.98
26-Jan-07	3.05	16.96	5.09	28.32
29-Jan-07	2.50	16.94	4.20	28.44
30-Jan-07	2.45	16.78	4.11	28.14
31-Jan-07	2.35	16.71	3.95	28.06
01-Feb-07	2.25	16.79	3.78	28.23
02-Feb-07	2.00	16.13	3.35	26.97
05-Feb-07	1.80	16.33	3.00	27.18
06-Feb-07	1.50	16.23	2.50	27.09
07-Feb-07	1.35	15.83	2.26	26.46
08-Feb-07	1.50	15.18	2.50	25.31
09-Feb-07	1.65	15.48	2.76	25.90
12-Feb-07	1.30	15.58	2.18	26.13
13-Feb-07	1.25	15.08	2.09	25.23
14-Feb-07	1.20	14.98	2.01	25.08
15-Feb-07	1.15	15.03	1.93	25.16
16-Feb-07	1.15	15.08	1.92	25.16
19-Feb-07	0.80	14.13	1.34	23.61
20-Feb-07	0.90	13.56	1.51	22.68
21-Feb-07	0.95	14.28	1.58	23.71
22-Feb-07	0.90	14.43	1.50	23.99
23-Feb-07	0.95	15.88	1.58	26.40
26-Feb-07	1.00	16.68	1.66	27.70
27-Feb-07	1.00	16.44	1.67	27.48
28-Feb-07	0.95	16.28	1.59	27.30
01-Mar-07	1.00	16.55	1.68	27.78
02-Mar-07	1.10	16.23	1.85	27.35
05-Mar-07	1.00	15.03	1.70	25.52
06-Mar-07	1.05	15.06	1.78	25.51
07-Mar-07	1.15	15.63	1.94	26.42
08-Mar-07	1.15	16.11	1.94	27.20
09-Mar-07	1.35	16.14	2.27	27.12
12-Mar-07	1.35	16.48	2.27	27.67
13-Mar-07	1.25	16.50	2.10	27.77
14-Mar-07	1.25	16.46	2.11	27.74
15-Mar-07	1.25	16.93	2.09	28.36
16-Mar-07	1.20	16.83	2.01	28.12
19-Mar-07	1.05	16.98	1.75	28.25
20-Mar-07	1.05	17.88	1.74	29.62
21-Mar-07	1.05	17.83	1.74	29.53
22-Mar-07	1.00	17.79	1.65	29.39
23-Mar-07	1.00	17.69	1.65	29.17
26-Mar-07	1.00	18.63	1.65	30.65
27-Mar-07	1.04	18.33	1.72	30.26
28-Mar-07	1.20	18.65	1.98	30.84
29-Mar-07	1.36	18.82	2.25	31.11
30-Mar-07	1.31	18.86	2.16	31.12
02-Apr-07	1.03	18.18	1.69	29.75
03-Apr-07	0.90	17.25	1.48	28.29
04-Apr-07	0.85	17.49	1.39	28.54
05-Apr-07	0.83	17.96	1.36	29.40
09-Apr-07	0.83	17.42	1.36	28.47
10-Apr-07	0.83	18.01	1.35	29.28
11-Apr-07	0.80	18.41	1.30	29.97
12-Apr-07	0.80	18.81	1.30	30.58
13-Apr-07	0.76	19.14	1.23	31.08
16-Apr-07	0.72	19.20	1.17	31.21
17-Apr-07	0.68	19.15	1.10	31.06
18-Apr-07	0.56	18.86	0.91	30.60
19-Apr-07	0.51	18.52	0.83	30.17

20-Apr-07	0.63	18.76	1.02	30.44
23-Apr-07	0.68	19.34	1.11	31.53
24-Apr-07	0.68	19.34	1.12	31.90
25-Apr-07	0.64	19.52	1.05	31.92
26-Apr-07	0.54	19.39	0.89	31.92
27-Apr-07	0.53	19.49	0.87	32.03
30-Apr-07	0.53	20.34	0.87	33.41
01-May-07	0.58	20.67	0.95	33.96
02-May-07	0.56	20.19	0.92	33.25
03-May-07	0.54	20.08	0.89	33.01
04-May-07	0.54	20.28	0.89	33.55
07-May-07	0.53	20.70	0.87	34.12
08-May-07	0.47	20.66	0.77	33.77
09-May-07	0.40	20.66	0.65	33.74
10-May-07	0.30	20.33	0.49	33.11
11-May-07	0.32	20.77	0.52	33.78
14-May-07	0.33	21.38	0.54	34.79
15-May-07	0.29	21.68	0.47	35.35
16-May-07	0.33	21.92	0.54	35.97
17-May-07	0.30	22.45	0.49	36.77
18-May-07	0.28	22.86	0.46	37.47
21-May-07	0.30	23.02	0.49	37.73
22-May-07	0.29	22.75	0.48	37.34
23-May-07	0.29	23.08	0.47	37.71
24-May-07	0.29	24.32	0.48	39.89
25-May-07	0.29	25.09	0.48	41.23
28-May-07	0.30	25.16	0.49	41.30
29-May-07	0.27	26.20	0.44	43.05
30-May-07	0.27	24.05	0.44	39.26
31-May-07	0.29	23.85	0.47	38.74
01-Jun-07	0.29	24.90	0.47	40.21
04-Jun-07	0.29	25.55	0.47	41.30
05-Jun-07	0.28	24.19	0.45	39.04
06-Jun-07	0.29	24.23	0.47	38.93
07-Jun-07	0.27	23.60	0.43	37.66
08-Jun-07	0.27	23.94	0.43	37.91
11-Jun-07	0.25	23.58	0.40	37.31
12-Jun-07	0.24	23.64	0.38	37.38
13-Jun-07	0.22	24.63	0.35	39.02
14-Jun-07	0.19	24.63	0.30	39.20
15-Jun-07	0.17	23.75	0.27	37.74
18-Jun-07	0.14	22.67	0.22	36.03
19-Jun-07	0.14	22.04	0.22	34.96
20-Jun-07	0.13	22.75	0.21	36.12
21-Jun-07	0.12	22.59	0.19	35.69
22-Jun-07	0.12	22.78	0.19	36.24
25-Jun-07	0.11	22.10	0.18	35.16
26-Jun-07	0.13	21.99	0.21	34.97
27-Jun-07	0.13	22.30	0.21	35.79
28-Jun-07	0.14	23.15	0.22	36.75
29-Jun-07	0.13	23.21	0.21	37.05
02-Jul-07	0.14	22.62	0.22	35.87
03-Jul-07	0.13	22.10	0.21	35.19
04-Jul-07	0.13	22.02	0.21	34.95
05-Jul-07	0.14	22.37	0.22	35.51
06-Jul-07	0.15	22.78	0.24	36.17
09-Jul-07	0.14	21.98	0.22	34.82
10-Jul-07	0.14	21.89	0.22	34.88
11-Jul-07	0.14	21.55	0.22	34.37
12-Jul-07	0.13	20.70	0.21	32.96
13-Jul-07	0.13	20.82	0.21	33.00
16-Jul-07	0.13	19.78	0.21	31.27
17-Jul-07	0.14	20.11	0.22	31.75
18-Jul-07	0.13	19.86	0.20	31.23
19-Jul-07	0.12	20.29	0.19	31.83
20-Jul-07	0.13	20.54	0.20	32.28
23-Jul-07	0.12	20.17	0.19	31.52
24-Jul-07	0.12	20.27	0.19	31.77
25-Jul-07	0.12	20.94	0.19	32.51
26-Jul-07	0.12	21.04	0.19	33.18
27-Jul-07	0.12	21.22	0.19	33.96
30-Jul-07	0.11	21.83	0.18	34.96
31-Jul-07	0.12	22.11	0.19	35.54

01-Aug-07	0.11	21.47	0.18	34.42
02-Aug-07	0.09	21.69	0.14	34.63
03-Aug-07	0.09	21.41	0.15	34.50
06-Aug-07	0.09	20.62	0.14	33.12
07-Aug-07	0.09	21.04	0.14	33.77
08-Aug-07	0.10	20.94	0.16	33.51
09-Aug-07	0.10	20.69	0.16	33.28
10-Aug-07	0.10	20.08	0.16	32.55
13-Aug-07	0.10	20.59	0.16	33.25
14-Aug-07	0.11	20.50	0.18	33.24
15-Aug-07	0.11	20.81	0.18	34.09
16-Aug-07	0.11	20.50	0.19	34.75
17-Aug-07	0.11	20.62	0.19	34.86
20-Aug-07	0.11	20.50	0.18	34.26
21-Aug-07	0.11	20.71	0.18	34.80
22-Aug-07	0.11	20.27	0.18	34.02
23-Aug-07	0.11	20.55	0.18	33.98
24-Aug-07	0.11	20.36	0.18	33.66
27-Aug-07	0.11	20.11	0.18	33.10
28-Aug-07	0.11	20.99	0.18	34.99
29-Aug-07	0.10	21.40	0.17	35.62
30-Aug-07	0.11	20.87	0.18	34.91
31-Aug-07	0.10	20.89	0.17	34.76
03-Sep-07	0.10	21.27	0.17	35.30
04-Sep-07	0.10	22.39	0.17	36.95
05-Sep-07	0.10	21.75	0.17	36.08
06-Sep-07	0.10	22.03	0.17	36.36
07-Sep-07	0.10	21.97	0.17	36.57
10-Sep-07	0.09	21.81	0.15	36.46
11-Sep-07	0.08	22.27	0.13	36.91
12-Sep-07	0.09	22.60	0.15	37.28
13-Sep-07	0.07	22.04	0.12	36.37
14-Sep-07	0.07	22.17	0.12	36.50
17-Sep-07	0.07	21.95	0.12	36.57
18-Sep-07	0.06	22.09	0.10	36.25
19-Sep-07	0.08	22.52	0.13	36.72
20-Sep-07	0.08	22.90	0.13	37.37
21-Sep-07	0.08	22.99	0.13	37.44
24-Sep-07	0.08	22.98	0.13	37.28
25-Sep-07	0.08	22.59	0.13	36.58
26-Sep-07	0.08	22.47	0.13	36.24
27-Sep-07	0.08	22.77	0.13	36.57
28-Sep-07	0.08	22.85	0.13	36.69
01-Oct-07	0.07	22.84	0.11	36.35
02-Oct-07	0.08	22.99	0.13	36.78
03-Oct-07	0.07	22.74	0.11	36.32
04-Oct-07	0.07	23.03	0.11	36.66
05-Oct-07	0.11	23.05	0.17	36.28
08-Oct-07	0.07	23.08	0.11	36.31
09-Oct-07	0.07	23.15	0.11	36.30
10-Oct-07	0.07	23.71	0.11	37.37
11-Oct-07	0.07	23.85	0.11	37.59
12-Oct-07	0.07	23.87	0.11	37.43
15-Oct-07	0.07	24.04	0.11	38.01
16-Oct-07	0.07	24.25	0.11	38.74
17-Oct-07	0.07	24.44	0.11	38.99
18-Oct-07	0.07	24.28	0.11	38.74
19-Oct-07	0.07	24.02	0.11	38.51
22-Oct-07	0.07	23.56	0.11	37.75
23-Oct-07	0.07	23.74	0.11	37.70
24-Oct-07	0.07	23.95	0.11	37.88
25-Oct-07	0.07	24.25	0.11	38.23
26-Oct-07	0.07	24.16	0.11	37.86
29-Oct-07	0.07	24.33	0.11	38.10
30-Oct-07	0.07	23.60	0.11	37.00
31-Oct-07	0.09	23.70	0.14	36.81
01-Nov-07	0.08	23.12	0.13	36.41
02-Nov-07	0.08	22.92	0.13	36.09
05-Nov-07	0.07	22.89	0.11	36.01
06-Nov-07	0.07	22.86	0.11	35.92
07-Nov-07	0.10	23.00	0.16	36.19
08-Nov-07	0.11	23.01	0.17	36.52
09-Nov-07	0.10	23.20	0.16	37.19

12-Nov-07	0.10	23.29	0.16	38.35
13-Nov-07	0.10	23.72	0.16	38.88
14-Nov-07	0.09	24.44	0.15	39.85
15-Nov-07	0.09	24.07	0.15	39.61
16-Nov-07	0.08	24.04	0.13	39.52
19-Nov-07	0.08	24.29	0.13	40.26
20-Nov-07	0.07	25.27	0.12	42.33
21-Nov-07	0.07	25.17	0.12	42.81
22-Nov-07	0.08	25.15	0.14	42.88
23-Nov-07	0.08	25.16	0.14	42.62
26-Nov-07	0.07	25.28	0.12	42.97
27-Nov-07	0.07	24.98	0.12	42.39
28-Nov-07	0.07	24.76	0.12	41.28
29-Nov-07	0.04	24.18	0.07	40.52
30-Nov-07	0.01	23.83	0.02	39.60
03-Dec-07	0.03	24.45	0.05	40.69
04-Dec-07	0.03	24.92	0.05	42.07
05-Dec-07	0.03	24.32	0.05	40.87
06-Dec-07	0.03	24.27	0.05	40.60
07-Dec-07	0.03	23.79	0.05	39.70
10-Dec-07	0.03	23.90	0.05	39.76
11-Dec-07	0.03	23.99	0.05	39.71
12-Dec-07	0.03	24.16	0.05	40.23
13-Dec-07	0.03	24.28	0.05	40.50
14-Dec-07	0.03	24.11	0.05	40.33
17-Dec-07	0.01	23.80	0.02	39.89
18-Dec-07		24.07		40.40
19-Dec-07		23.95		40.10
20-Dec-07		23.78		39.74
21-Dec-07		23.46		38.89
24-Dec-07		23.48		38.83
27-Dec-07		23.36		38.93
28-Dec-07		23.67		39.85
31-Dec-07		23.89		39.78
02-Jan-08		24.42		40.75
03-Jan-08		25.04		41.90
04-Jan-08		25.04		42.31
07-Jan-08		25.16		42.48
08-Jan-08		25.20		41.95
09-Jan-08		24.92		41.53
10-Jan-08		24.61		40.73
11-Jan-08		24.55		40.73
14-Jan-08		24.89		41.24
15-Jan-08		24.66		41.12
16-Jan-08		24.23		40.44
17-Jan-08		23.66		39.38
18-Jan-08		23.72		39.48
21-Jan-08		22.26		37.33
22-Jan-08		21.74		36.54
23-Jan-08		21.45		36.05
24-Jan-08		21.17		35.52
25-Jan-08		22.44		37.45
28-Jan-08		22.06		36.77
29-Jan-08		22.11		36.79
30-Jan-08		21.50		35.77
31-Jan-08		20.52		33.96
01-Feb-08		20.62		33.85
04-Feb-08		20.60		33.62
05-Feb-08		20.26		33.07
06-Feb-08		21.42		34.95
07-Feb-08		21.86		35.37
08-Feb-08		21.86		35.43
11-Feb-08		21.62		34.70
12-Feb-08		21.46		34.60
13-Feb-08		21.42		34.92
14-Feb-08		22.22		35.99
15-Feb-08		22.38		36.18
18-Feb-08		22.44		36.02
19-Feb-08		23.17		37.04
20-Feb-08		23.02		36.88
21-Feb-08		23.24		37.45
22-Feb-08		23.02		37.01
25-Feb-08		23.12		37.08

26-Feb-08	22.90		36.72	
27-Feb-08	22.84		36.69	
28-Feb-08	22.73		36.42	
29-Feb-08	22.93		37.25	
03-Mar-08	22.52		36.40	
04-Mar-08	22.34		36.81	
05-Mar-08	22.94		37.61	
06-Mar-08	23.04		38.16	
07-Mar-08	23.08		38.13	
10-Mar-08	23.47		39.23	
11-Mar-08	23.57		39.00	
12-Mar-08	23.67		39.27	
13-Mar-08	24.29		40.02	
14-Mar-08	23.97	15.39	40.07	25.73
17-Mar-08	23.11	14.83	39.58	25.39
18-Mar-08	23.39	15.04	39.57	25.45
19-Mar-08	23.30	14.99	39.72	25.56
20-Mar-08	23.72	15.35	40.67	26.32
25-Mar-08	24.30	15.73	41.36	26.77
26-Mar-08	24.25	15.66	41.76	26.97
27-Mar-08	23.99	15.57	41.12	26.69
28-Mar-08	23.47	15.31	40.36	26.33
31-Mar-08	23.99	15.54	41.44	26.85
01-Apr-08	24.25	15.61	41.77	26.89
02-Apr-08	25.14	16.12	43.12	27.64
03-Apr-08	25.22	16.15	43.12	27.61
04-Apr-08	25.07	16.13	42.72	27.49
07-Apr-08	25.59	16.15	43.37	27.38
08-Apr-08	25.30	16.00	42.71	27.02
09-Apr-08	25.48	15.99	43.41	27.25
10-Apr-08	26.21	16.39	44.25	27.66
11-Apr-08	26.15	16.29	44.49	27.72
14-Apr-08	26.78	16.49	45.77	28.18
15-Apr-08	26.93	16.46	45.99	28.12
16-Apr-08	26.60	16.35	45.15	27.75
17-Apr-08	26.51	16.33	44.97	27.70
18-Apr-08	26.33	16.25	44.54	27.49
21-Apr-08	27.09	16.38	45.75	27.66
22-Apr-08	27.17	16.38	45.97	27.71
23-Apr-08	26.81	16.23	44.85	27.16
24-Apr-08	26.29	16.11	43.84	26.86
25-Apr-08	26.56	16.19	44.42	27.07
28-Apr-08	26.46	16.15	44.11	26.92
29-Apr-08	26.02	16.17	43.36	26.94
30-Apr-08	25.73	16.31	42.60	27.01
01-May-08	25.38	16.14	41.99	26.70
02-May-08	26.22	16.38	43.16	26.96
06-May-08	27.14	16.61	44.33	27.46
07-May-08	26.85	16.63	43.88	27.19
08-May-08	26.71	16.83	43.56	27.45
09-May-08	26.98	17.15	44.27	28.14
12-May-08	27.20	17.21	44.62	28.23
13-May-08	26.83	17.34	44.11	28.51
14-May-08	26.24	17.05	43.42	28.21
15-May-08	26.46	17.13	43.44	28.12
16-May-08	26.64	17.18	43.50	28.04
19-May-08	27.05	17.18	43.99	27.95
20-May-08	27.10	17.19	44.30	28.10
21-May-08	27.48	17.37	45.07	28.48
22-May-08	27.82	17.42	45.74	28.64
23-May-08	27.85	17.43	45.73	28.62
26-May-08	27.79	17.50	45.61	28.72
27-May-08	28.04	17.65	45.89	28.89
28-May-08	27.85	17.58	45.26	28.56
29-May-08	28.23	17.70	45.74	28.68
30-May-08	27.77	17.80	45.17	28.95
02-Jun-08	28.01	17.81	45.58	28.98
03-Jun-08	28.83	18.91	46.82	30.72
04-Jun-08	28.29	18.76	45.63	30.26
05-Jun-08	28.17	18.97	45.84	30.86
06-Jun-08	29.32	19.51	48.02	31.95
09-Jun-08	29.27	19.48	48.17	32.06
10-Jun-08	28.99	19.58	47.36	31.97

11-Jun-08	29.11	19.79	47.81	32.49
12-Jun-08	28.95	19.65	47.77	32.41
13-Jun-08	28.80	19.76	47.12	32.34
16-Jun-08	28.93	19.81	47.60	32.59
17-Jun-08	29.03	19.92	47.69	32.73
18-Jun-08	29.33	20.03	48.12	32.87
19-Jun-08	29.56	20.20	48.17	32.91
20-Jun-08	29.35	20.21	48.06	33.10
23-Jun-08	29.81	20.63	48.62	33.65
24-Jun-08	30.05	21.05	48.99	34.31
25-Jun-08	29.90	20.80	48.87	33.99
26-Jun-08	30.43	21.19	50.14	34.90
27-Jun-08	30.94	21.66	50.86	35.59
30-Jun-08	31.47	22.16	51.72	36.41
01-Jul-08	32.38	23.53	53.60	38.95
02-Jul-08	30.95	24.55	51.05	40.49
03-Jul-08	30.46	23.50	49.77	38.40
04-Jul-08	30.74	24.07	50.08	39.20
07-Jul-08	30.43	25.04	50.01	41.15
08-Jul-08	28.52	23.35	46.78	38.31
09-Jul-08	28.73	23.60	47.32	38.86
10-Jul-08	29.60	23.71	48.54	38.88
11-Jul-08	30.52	24.27	50.31	40.01
14-Jul-08	30.31	24.06	49.60	39.37
15-Jul-08	29.37	23.47	47.72	38.13
16-Jul-08	27.77	22.64	45.09	36.76
17-Jul-08	28.43	23.23	46.43	37.93
18-Jul-08	27.14	22.43	44.30	36.62
21-Jul-08	27.10	22.44	44.17	36.58
22-Jul-08	27.37	22.11	44.47	35.92
23-Jul-08	27.51	21.30	44.86	34.73
24-Jul-08	28.02	21.53	45.77	35.17
25-Jul-08	27.85	21.44	45.70	35.19
28-Jul-08	27.19	20.82	44.74	34.26
29-Jul-08	26.35	20.11	43.12	32.90
30-Jul-08	25.38	19.26	41.90	31.79
31-Jul-08	24.70	18.73	40.88	31.01
01-Aug-08	23.95	18.34	40.07	30.68
04-Aug-08	23.85	18.83	39.97	31.55
05-Aug-08	24.29	19.43	40.99	32.80
06-Aug-08	24.99	19.88	42.39	33.72
07-Aug-08	25.61	20.63	43.29	34.87
08-Aug-08	25.34	20.72	42.79	35.00
11-Aug-08	25.41	20.94	42.89	35.34
12-Aug-08	26.07	21.50	44.46	36.66
13-Aug-08	26.46	21.50	45.08	36.63
14-Aug-08	26.15	21.38	44.47	36.36
15-Aug-08	25.84	21.31	43.77	36.09
18-Aug-08	26.31	21.76	44.56	36.86
19-Aug-08	26.39	21.71	44.74	36.81
20-Aug-08	27.13	21.93	45.81	37.02
21-Aug-08	27.45	22.06	46.45	37.33
22-Aug-08	27.32	21.93	46.56	37.38
25-Aug-08	27.18	21.99	46.43	37.57
26-Aug-08	27.45	22.14	46.98	37.89
27-Aug-08	27.88	22.22	47.80	38.10
28-Aug-08	27.92	22.30	47.63	38.03
29-Aug-08	27.90	22.44	47.66	38.33
01-Sep-08	27.66	22.26	47.49	38.22
02-Sep-08	27.38	21.78	47.36	37.67
03-Sep-08	27.13	21.70	47.07	37.64
04-Sep-08	27.34	21.89	47.53	38.06
05-Sep-08	27.08	21.48	47.40	37.60
08-Sep-08	26.81	21.38	46.38	36.98
09-Sep-08	25.42	20.39	44.80	35.93
10-Sep-08	25.31	20.23	44.25	35.37
11-Sep-08	25.59	20.22	44.54	35.19
12-Sep-08	26.41	20.94	45.62	36.17
15-Sep-08	25.54	20.48	45.25	36.29
16-Sep-08	25.40	20.34	44.86	35.93
17-Sep-08	25.79	20.51	46.50	36.99
18-Sep-08	26.33	20.95	47.02	37.40
19-Sep-08	27.25	21.87	47.25	37.92

22-Sep-08	27.41	21.82	47.87	38.11
23-Sep-08	27.53	21.63	48.34	37.98
24-Sep-08	27.00	21.04	47.36	36.91
25-Sep-08	26.92	20.72	47.10	36.25
26-Sep-08	26.83	20.27	47.19	35.66
29-Sep-08	25.50	19.07	45.89	34.31
30-Sep-08	24.66	19.13	43.91	34.07
01-Oct-08	25.20	19.69	44.78	34.99
02-Oct-08	25.49	20.03	45.49	35.75
03-Oct-08	25.41	19.71	45.19	35.05
06-Oct-08	24.36	18.99	46.67	36.37
07-Oct-08	24.33	19.32	46.39	36.83
08-Oct-08	23.83	19.24	48.22	38.94
09-Oct-08	24.62	20.03	48.25	39.26
10-Oct-08	23.99	19.50	50.17	40.77
13-Oct-08	24.55	19.93	48.77	39.59
14-Oct-08	24.96	20.29	48.77	39.64
15-Oct-08	24.55	19.93	49.25	39.99
16-Oct-08	23.94	19.30	46.93	37.82
17-Oct-08	23.74	19.17	45.97	37.11
20-Oct-08	23.84	18.82	45.25	35.73
21-Oct-08	23.19	18.09	44.45	34.67
22-Oct-08	21.85	16.69	41.80	31.93
23-Oct-08	21.96	17.02	43.13	33.42
24-Oct-08	20.87	16.07	42.37	32.62
27-Oct-08	19.31	15.12	39.84	31.20
28-Oct-08	19.01	15.25	37.63	30.17
29-Oct-08	19.85	15.77	38.24	30.38
30-Oct-08	19.61	15.64	37.32	29.76
31-Oct-08	19.41	15.55	37.01	29.63
03-Nov-08	19.72	15.65	36.77	29.17
04-Nov-08	20.45	16.25	38.16	30.33
05-Nov-08	20.09	15.78	37.70	29.62
06-Nov-08	19.74	15.70	37.66	29.95
07-Nov-08	20.29	16.19	38.30	30.55
10-Nov-08	20.22	16.26	38.46	30.94
11-Nov-08	19.70	15.92	37.58	30.37
12-Nov-08	19.58	16.04	38.34	31.40
13-Nov-08	19.51	16.05	38.05	31.30
14-Nov-08	19.08	15.71	36.85	30.33
17-Nov-08	18.77	15.26	36.34	29.55
18-Nov-08	18.33	14.89	35.59	28.90
19-Nov-08	18.10	14.78	35.14	28.69
20-Nov-08	16.51	13.30	33.44	26.93
21-Nov-08	16.66	13.90	33.62	28.06
24-Nov-08	17.55	14.49	34.90	28.82
25-Nov-08	17.49	14.20	35.13	28.51
26-Nov-08	17.26	14.12	34.18	27.96
27-Nov-08	18.08	14.49	35.29	28.28
28-Nov-08	17.29	14.14	33.52	27.43
01-Dec-08	17.27	14.48	33.73	28.29
02-Dec-08	17.11	14.35	34.00	28.50
03-Dec-08	16.92	14.27	33.33	28.11
04-Dec-08	16.52	13.90	32.76	27.57
05-Dec-08	15.32	13.01	30.46	25.86
08-Dec-08	16.09	13.38	31.43	26.13
09-Dec-08	15.89	13.14	31.20	25.80
10-Dec-08	16.04	13.20	31.76	26.13
11-Dec-08	16.65	13.40	32.86	26.44
12-Dec-08	16.57	13.53	33.62	27.44
15-Dec-08	16.95	13.74	34.82	28.21
16-Dec-08	16.90	13.78	34.44	28.09
17-Dec-08	16.85	13.86	34.44	28.34
18-Dec-08	16.66	13.50	34.06	27.60
19-Dec-08	16.65	13.45	33.83	27.31
22-Dec-08	16.99	13.47	34.46	27.31
23-Dec-08	16.75	13.40	34.33	27.46
24-Dec-08	16.67	13.29	34.18	27.24
29-Dec-08	16.78	13.36	34.17	27.20
30-Dec-08	16.98	13.60	34.67	27.78
31-Dec-08	16.85	13.78	33.27	27.20
02-Jan-09	16.50	13.42	32.34	26.29
05-Jan-09	16.33	13.46	30.97	25.52

06-Jan-09	16.61	13.64	30.99	25.45
07-Jan-09	16.36	13.51	31.30	25.84
08-Jan-09	15.64	12.90	30.23	24.93
09-Jan-09	15.29	12.56	29.16	23.95
12-Jan-09	14.70	12.41	28.68	24.20
13-Jan-09	14.52	12.29	28.90	24.50
14-Jan-09	13.97	11.87	27.87	23.68
15-Jan-09	13.95	11.89	27.64	23.56
16-Jan-09	13.30	11.10	26.39	22.02
19-Jan-09	12.31	10.10	24.05	19.73
20-Jan-09	12.24	10.04	24.20	19.86
21-Jan-09	12.20	10.13	24.02	19.95
22-Jan-09	12.32	10.22	24.32	20.16
23-Jan-09	12.31	10.11	24.33	19.98
26-Jan-09	12.76	10.56	25.40	21.02
27-Jan-09	12.57	10.39	25.03	20.68
28-Jan-09	12.39	10.30	24.41	20.29
29-Jan-09	12.51	10.44	24.79	20.69
30-Jan-09	12.49	10.52	25.13	21.15
02-Feb-09	11.96	10.16	24.31	20.65
03-Feb-09	11.25	9.83	22.45	19.62
04-Feb-09	11.03	9.69	21.93	19.27
05-Feb-09	10.79	9.57	21.17	18.77
06-Feb-09	10.66	9.39	20.43	17.99
09-Feb-09	10.64	9.34	20.37	17.89
10-Feb-09	9.89	8.70	19.49	17.15
11-Feb-09	9.03	7.81	17.80	15.38
12-Feb-09	8.74	7.55	17.26	14.90
13-Feb-09	9.26	8.06	18.10	15.77
16-Feb-09	9.02	7.91	17.74	15.55
17-Feb-09	9.27	8.14	18.30	16.07
18-Feb-09	10.30	8.98	20.27	17.66
19-Feb-09	11.55	9.97	22.65	19.56
20-Feb-09	10.68	9.00	21.19	17.85
23-Feb-09	10.31	8.72	20.37	17.22
24-Feb-09	10.07	8.39	19.90	16.58
25-Feb-09	10.50	8.86	20.69	17.48
26-Feb-09	11.43	9.61	22.37	18.80
27-Feb-09	10.92	9.02	21.53	17.79
02-Mar-09	10.92	9.38	21.71	18.65
03-Mar-09	11.89	10.10	23.31	19.81
04-Mar-09	12.60	10.73	24.52	20.87
05-Mar-09	12.60	10.52	24.77	20.66
06-Mar-09	11.79	10.18	23.34	20.15
09-Mar-09	12.70	10.82	25.31	21.56
10-Mar-09	13.06	11.23	25.73	22.12
11-Mar-09	12.82	10.89	25.30	21.49
12-Mar-09	13.11	11.08	25.86	21.85
13-Mar-09	13.56	11.46	26.61	22.49
16-Mar-09	13.86	11.74	27.21	23.04
17-Mar-09	14.300	12.030	28.13	23.66
18-Mar-09	13.713	11.553	27.14	22.87
19-Mar-09	12.845	10.910		
20-Mar-09	12.308	10.503		
23-Mar-09	13.065	11.095		
24-Mar-09	12.385	10.455		
25-Mar-09	11.715	9.863		
26-Mar-09	12.068	10.055		
27-Mar-09	12.343	10.350		
31-Mar-09	12.923	10.753		
2-Apr-09	13.225	10.900		
3-Apr-09	13.618	10.998		
6-Apr-09	13.765	10.730		
7-Apr-09	13.398	10.388		
8-Apr-09	13.886	10.576		
9-Apr-09	14.463	10.890		
14-Apr-09	15.375	11.150		
15-Apr-09	14.978	11.185		
16-Apr-09	14.980	11.223		
17-Apr-09	14.865	11.228		
20-Apr-09	14.145	11.078		
21-Apr-09	14.268	11.185		
22-Apr-09	14.645	11.340		

23-Apr-09	14.530	11.568
24-Apr-09	14.850	11.750
27-Apr-09	14.710	11.750
29-Apr-09	14.813	11.778
30-Apr-09	15.328	11.848
1-May-09	15.425	11.993
5-May-09	15.248	11.925
6-May-09	15.665	12.158
7-May-09	15.908	12.218
8-May-09	16.713	12.730
11-May-09	17.055	13.080
12-May-09	16.250	12.385
13-May-09	15.843	12.268
14-May-09	15.556	12.120
15-May-09	15.173	11.805
18-May-09	15.513	11.983
19-May-09	15.778	12.260
20-May-09	16.358	12.818
21-May-09	16.115	12.565
22-May-09	16.303	12.805
25-May-09	16.115	12.805
26-May-09	16.115	12.810
27-May-09	16.323	12.983
28-May-09	16.215	12.993
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1-Jun-09	16.215	13.008
2-Jun-09	15.988	12.825
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4-Jun-09	15.210	12.456
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9-Jun-09	14.123	11.580
10-Jun-09	14.295	11.680
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17-Jun-09	13.933	11.265
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19-Jun-09	14.328	11.588
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23-Jun-09	14.010	11.428
24-Jun-09	14.308	11.710
25-Jun-09	14.463	11.898
26-Jun-09	14.428	11.803
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8-Jul-09	14.433	11.978
9-Jul-09	14.848	12.028
10-Jul-09	15.038	12.140
13-Jul-09	15.730	12.695
14-Jul-09	15.293	12.408
15-Jul-09	15.553	12.823
16-Jul-09	15.558	13.043
17-Jul-09	15.113	12.833
20-Jul-09	15.168	12.900
21-Jul-09	15.505	12.843
22-Jul-09	15.398	12.758
23-Jul-09	15.438	12.770
24-Jul-09	15.305	12.795
27-Jul-09	15.118	12.728
28-Jul-09	14.768	12.465
29-Jul-09	14.565	12.228
30-Jul-09	14.725	12.243
31-Jul-09	14.688	12.188
3-Aug-09	15.410	12.508
4-Aug-09	15.610	12.780
5-Aug-09	15.330	12.563

6-Aug-09	15.335	12.830
7-Aug-09	15.275	12.838
10-Aug-09	15.133	12.575
11-Aug-09	15.098	12.565
12-Aug-09	15.290	12.810
13-Aug-09	15.263	12.595
14-Aug-09	15.280	12.895
17-Aug-09	15.393	12.768
18-Aug-09	15.675	12.965
19-Aug-09	15.823	13.065
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26-Aug-09	16.045	13.328
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1-Sep-09	15.710	13.255
2-Sep-09	15.920	13.235
3-Sep-09	16.225	13.440
4-Sep-09	16.053	13.433
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10-Sep-09	15.910	13.203
11-Sep-09	15.350	12.785
14-Sep-09	14.665	12.096
15-Sep-09	15.010	12.473
16-Sep-09	14.808	12.375
17-Sep-09	14.695	12.375
18-Sep-09	14.348	12.140
21-Sep-09	14.668	12.380
22-Sep-09	14.440	12.180
23-Sep-09	13.998	11.798
24-Sep-09	13.463	11.458
25-Sep-09	13.755	11.825
28-Sep-09	14.168	11.700
29-Sep-09	13.778	11.415
30-Sep-09	14.033	11.638

€ 34
€ 32
€ 30
€ 28
€ 26
€ 24
€ 22
€ 20
€ 18
€ 16
€ 14
€ 12
€ 10
€ 8
€ 6
€ 4
€ 2
€ 0
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Oct-05
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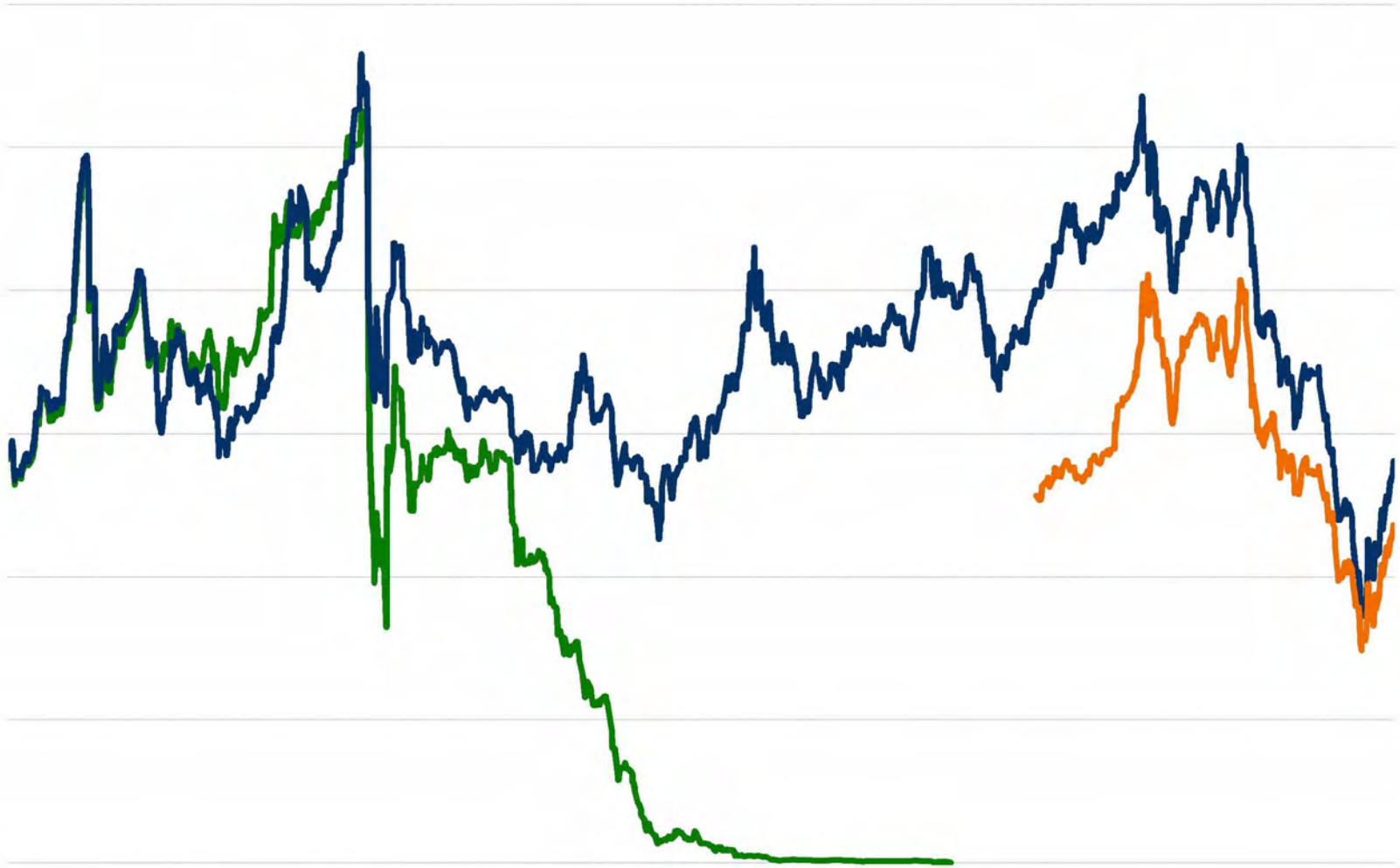
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09



From: Ishwar Saini
To: Tisdale, Matthew
CC: Andre Templeman; Matthew D'Agostino
Sent: 5/23/2011 8:10:11 AM
Subject: RE: Thank you

Mathew,
Thank you for the advise. We will certainly participate in CPUC proceeding given the several ongoing issues which are impacting us.

Andre is delighted to know that you may ask him to work on intellectual/analytical support.

Please feel free to ask for any specific questions you may have from the presentations. Look forward to staying in touch with you and your team. Thank you again.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

-----Original Message-----
From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Wednesday, May 18, 2011 4:07 PM
To: Ishwar Saini
Subject: Re: Thank you

Thank you, Ishwar. Commissioner Florio will be glad to have FIEG's engagement in PUC proceedings going forward. I plan to take Andre up on his offer of intellectual/analytic support. We'll certainly be in touch.

On May 18, 2011, at 1:43 PM, "Ishwar Saini" <Ishwar.Saini@macquarie.com> wrote:

> Matt,
>
>
>
> Thank you for your time yesterday to discuss Risk management in
> California's renewable energy markets.
>
>
>
> FIEG appreciates the opportunity and look forward to working with you
> and Comm. Florio's team on some of the regulatory policy proceedings.
>
>
>
> Attached is the final presentation for your records. Feel free to
> contact us for any questions.
>
>
>
> Best regards,
>
>
>
> Ishwar Saini
>
> VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy
> Markets Division | Fixed Income, Currencies and Commodities |
> Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX
> 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115
> Email: ishwar.saini@macquarie.com <mailto:ishwar.saini@macquarie.com> >
>
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>
> <FIEG Presentation to CPUC Final.ppt>

From: Ishwar Saini
To: Tisdale, Matthew; Colvin, Michael
CC: Andre Templeman
Sent: 6/2/2011 10:20:16 AM
Subject: Visit to SanFrancisco

Matthew and Michael,

How are you doing?

Me and Andre Templeman are planning to be San Francisco on June 21st and 22nd. Wondering if you are available for a meeting over lunch or dinner either of these days. Alternatively, we can meet for B'fast during one of the days.

The intent is to discuss general regulatory developments in the California energy and environment markets. In addition, it may be an opportunity for you to initiate with Andre his offer on intellectual/analytical support.

Will appreciate your response. Thank you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Tisdale, Matthew
To: 'Ishwar Saini'
CC: Andre Templeman
Sent: 6/2/2011 4:43:15 PM
Subject: RE: Visit to SanFrancisco

I could do breakfast or a 5pm cocktail on the 21st or breakfast on the 22nd. The 5pm option is my preference.

Thank you again for your willingness to share thoughts on finance in renewable markets. A couple questions have come to mind:

First, of the renewable plants that have been successfully developed in California, are there any discernable trends in the financing structure? **Are projects financed off the parent company's balance sheet performing better than those financed in the market?** Any trends among debt/equity ratios or sources that can be used in forecasting a project's success?

Second: for biomass and biogas, how do potential investors quantify risk in a project's fuel supply? Is this a driving consideration for such investors?

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Thursday, June 02, 2011 10:20 AM
To: Tisdale, Matthew; Colvin, Michael
Cc: Andre Templeman
Subject: Visit to SanFrancisco

Matthew and Michael,

How are you doing?

Me and Andre Templeman are planning to be San Francisco on June 21st and 22nd. Wondering if you are available for a meeting over lunch or dinner either of these days. Alternatively, we can meet for B'fast during one of the days.

The intent is to discuss general regulatory developments in the California energy and environment markets. In addition, it may be an opportunity for you to initiate with Andre his offer on intellectual/analytical support.

Will appreciate your response. Thank you.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Ishwar Saini
To: Tisdale, Matthew
CC: Andre Templeman
Sent: 6/3/2011 3:47:04 PM
Subject: RE: Visit to SanFrancisco

Matthew,
Can we confirm you for Wednesday, June 22 breakfast. Its seems that slot will work for all for now.

Wondering, if we could call you Monday, June 6 after 9:30 am your time to discuss the questions below. If you have specific time in mind, please advise.

Andre, could you please call Matthew at 415-703-5137 per his suggested time. Thanks.

Best regards,

Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, June 02, 2011 6:43 PM
To: Ishwar Saini
Cc: Andre Templeman
Subject: RE: Visit to SanFrancisco

I could do breakfast or a 5pm cocktail on the 21st or breakfast on the 22nd. The 5pm option is my preference.

Thank you again for your willingness to share thoughts on finance in renewable markets. A couple questions have come to mind:

First, of the renewable plants that have been successfully developed in California, are there any discernable trends in the financing structure? **Are projects financed off the parent company's balance sheet performing better than those financed in the market?** Any trends among debt/equity ratios or sources that can be used in forecasting a project's success?

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From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Thursday, June 02, 2011 10:20 AM
To: Tisdale, Matthew; Colvin, Michael
Cc: Andre Templeman
Subject: Visit to SanFrancisco

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Will appreciate your response. Thank you.

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Ishwar Saini
VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Tisdale, Matthew
To: Ishwar Saini
Sent: 6/3/2011 4:57:04 PM
Subject: Re: Visit to SanFrancisco

June 22 at 9am is confirmed. Our cafeteria serves a decent breakfast, so I suggest that location.

A call on Monday won't work for me. How about Thursday, June 9 after 2?

Sent remotely

On Jun 3, 2011, at 3:47 PM, "Ishwar Saini" <Ishwar.Saini@macquarie.com> wrote:

Matthew,

Can we confirm you for Wednesday, June 22 breakfast. Its seems that slot will work for all for now.

Wondering, if we could call you Monday, June 6 after 9:30 am your time to discuss the questions below. If you have specific time in mind, please advise.

Andre, could you please call Matthew at 415-703-5137 per his suggested time. Thanks.

Best regards,

Ishwar Saini

VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

---

From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, June 02, 2011 6:43 PM
To: Ishwar Saini
Cc: Andre Templeman
Subject: RE: Visit to SanFrancisco

I could do breakfast or a 5pm cocktail on the 21st or breakfast on the 22nd. The 5pm option is my preference.

Thank you again for your willingness to share thoughts on finance in renewable markets. A couple questions have come to mind:

First, of the renewable plants that have been successfully developed in California, are there any discernable trends in the financing structure? **Are projects financed off the parent company's balance sheet performing better than those financed in the market?** Any trends among debt/equity ratios or sources that can be used in forecasting a project's success?

Second: for biomass and biogas, how do potential investors quantify risk in a project's fuel supply? Is this a driving consideration for such investors?

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Thursday, June 02, 2011 10:20 AM
To: Tisdale, Matthew; Colvin, Michael
Cc: Andre Templeman
Subject: Visit to SanFrancisco

Matthew and Michael,

How are you doing?

Me and Andre Templeman are planning to be San Francisco on June 21st and 22nd. Wondering if you are available for a meeting over lunch or dinner either of these days. Alternatively, we can meet for B'fast during one of the days.

The intent is to discuss general regulatory developments in the California energy and environment markets. In addition, it may be an opportunity for you to initiate with Andre his offer on intellectual/analytical support.

Will appreciate your response. Thank you.

Best regards,

Ishwar Saini

VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Andre Templeman
To: matthew.tisdale@cpuc.ca.gov; Ishwar Saini; Frank Koller
Sent: 6/6/2011 9:24:21 AM
Subject: That works. How about 2 pm ppt on thur?

If that works just send us an invite and we'll be on the call.

Looking forward to catching up.
Sincerely,

André Templeman

Senior Vice-President | Energy Markets Division | Fixed Income, Currencies and Commodities Macquarie Energy Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6138 | M 1.801.455.3033 | F 1.713.275.6115 Email: andre.templeman@macquarie.comIM: andre.templeman.macquarie.com@reuters.net

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From:	Andre Templeman
To:	matthew.tisdale@cpuc.ca.gov; Frank Koller; Ishwar Saini
Sent:	6/6/2011 9:54:13 AM
Subject:	Updated: Catch up call with CPUC
Attachments:	meeting.ics

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16010101T020000

METHOD
REQUEST

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Microsoft CDO for Microsoft Exchange

Version
2.0

TZID
(GMT-06.00) Central Time (US & Canada)

X-MICROSOFT-CDO-TZID
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Start Date/Time
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TZOFFSETTO
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Recurrence Rule
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Updated: Catch up call with CPUC
866-830-2969 (pass code: 849232) 2 pm ppt
20110609T160000
CONFIRMED

DTSTAMP
20110606T165413Z

Start Date/Time
20110609T160000

Summary
Updated: Catch up call with CPUC

UID
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010000000B88617A7239FDE43A43933DE96448488

Attendee MAILTO:matthew.tisdale@cpuc.ca.gov
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:Frank.Koller@macquarie.com
Role REQ-PARTICIPANT
RSVP TRUE

Attendee MAILTO:Ishwar.Saini@macquarie.com
Role REQ-PARTICIPANT
RSVP TRUE

ORGANIZER (CN="Andre Templeman")
MAILTO:Andre.Templeman@macquarie.com

Location
866-830-2969 (pass code: 849232) 2 pm ppt

End Date/Time
20110609T170000

Description

Sequence Number
0

Priority
5

Categories

CREATED
20110606T165413Z

Last Modified
20110606T165413Z

Status
CONFIRMED

Time Transparency
OPAQUE

X-MICROSOFT-CDO-BUSYSTATUS
BUSY

X-MICROSOFT-CDO-INSTTYPE
0

X-MICROSOFT-CDO-INTENDEDSTATUS
BUSY

X-MICROSOFT-CDO-ALLDAYEVENT
FALSE

X-MICROSOFT-CDO-IMPORTANCE
1

X-MICROSOFT-CDO-OWNERAPPTID
-1

X-MICROSOFT-CDO-ATTENDEE-CRITICAL-CHANGE
20110606T165413Z

X-MICROSOFT-CDO-OWNER-CRITICAL-CHANGE
20110606T165413Z

ACTION
DISPLAY

Description
REMINDER

TRIGGER (RELATED=START)
-PT00H15M00S

From: Tisdale, Matthew
To: Ishwar Saini
CC: Tisdale, Matthew; Andre Templeman
Sent: 6/9/2011 1:56:48 PM
Subject: Re: Visit to SanFrancisco

Andre and Ishwar. My apologies, but my afternoon schedule has turned into a mess. I'll be in touch to reschedule our call.

Sent remotely

On Jun 3, 2011, at 3:47 PM, "Ishwar Saini" <Ishwar.Saini@macquarie.com> wrote:

Matthew,

Can we confirm you for Wednesday, June 22 breakfast. Its seems that slot will work for all for now.

Wondering, if we could call you Monday, June 6 after 9:30 am your time to discuss the questions below. If you have specific time in mind, please advise.

Andre, could you please call Matthew at 415-703-5137 per his suggested time. Thanks.

Best regards,

Ishwar Saini

VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, June 02, 2011 6:43 PM
To: Ishwar Saini
Cc: Andre Templeman
Subject: RE: Visit to SanFrancisco

I could do breakfast or a 5pm cocktail on the 21st or breakfast on the 22nd. The 5pm option is my preference.

Thank you again for your willingness to share thoughts on finance in renewable markets. A couple questions have come to mind:

First, of the renewable plants that have been successfully developed in California, are there any discernable trends in the financing structure? **Are projects financed off the parent company's balance sheet performing better than those financed in the market?** Any trends among debt/equity ratios or sources that can be used in forecasting a project's success?

Second: for biomass and biogas, how do potential investors quantify risk in a project's fuel supply? Is this a driving consideration for such investors?

From: Ishwar Saini [mailto:Ishwar.Saini@macquarie.com]
Sent: Thursday, June 02, 2011 10:20 AM
To: Tisdale, Matthew; Colvin, Michael
Cc: Andre Templeman
Subject: Visit to SanFrancisco

Matthew and Michael,

How are you doing?

Me and Andre Templeman are planning to be San Francisco on June 21st and 22nd. Wondering if you are available for a meeting over lunch or dinner either of these days. Alternatively, we can meet for B'fast during one of the days.

The intent is to discuss general regulatory developments in the California energy and environment markets. In addition, it may be an opportunity for you to initiate with Andre his offer on intellectual/analytical support.

Will appreciate your response. Thank you.

Best regards,

Ishwar Saini

VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | Fixed Income, Currencies and Commodities | Macquarie Group Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

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by telephone or return email and delete the communication without using, copying or disseminating the information contained therein. Any use, copying or dissemination of the information, without the express written consent of Macquarie Energy LLC, is strictly prohibited and legal proceedings may be commenced against you.

From: Andre Templeman
To: matthew.tisdale@cpuc.ca.gov; Ishwar Saini
Sent: 6/9/2011 1:58:32 PM
Subject: Re: Visit to SanFrancisco

Ok, let us know when we will do our best to accommodate.
Sincerely,

André Templeman

Senior Vice-President | Energy Markets Division | Fixed Income, Currencies and Commodities Macquarie Energy Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6138 | M 1.801.455.3033 | F 1.713.275.6115 Email: andre.templeman@macquarie.comIM: andre.templeman.macquarie.com@reuters.net

---

From: Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>
To: Ishwar Saini
Cc: Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov>; Andre Templeman
Sent: Thu Jun 09 15:56:48 2011
Subject: Re: Visit to SanFrancisco

Andre and Ishwar. My apologies, but my afternoon schedule has turned into a mess. I'll be in touch to reschedule our call.

Sent remotely

On Jun 3, 2011, at 3:47 PM, "Ishwar Saini" <Ishwar.Saini@macquarie.com> wrote:

Matthew,

Can we confirm you for Wednesday, June 22 breakfast. Its seems that slot will work for all for now.

Wondering, if we could call you Monday, June 6 after 9:30 am your time to discuss the questions below. If you have specific time in mind, please advise.

Andre, could you please call Matthew at 415-703-5137 per his suggested time. Thanks.

Best regards,

Ishwar Saini

VP | Regulatory & Market Affairs | Macquarie Energy LLC, Energy Markets Division | T 1.713.275.6818 | M 1.281.475.9107 | F 1.713.275.6115 Email: ishwar.saini@macquarie.com

From: Tisdale, Matthew [mailto:matthew.tisdale@cpuc.ca.gov]
Sent: Thursday, June 02, 2011 6:43 PM
To: Ishwar Saini
Cc: Andre Templeman
Subject: RE: Visit to SanFrancisco

I could do breakfast or a 5pm cocktail on the 21st or breakfast on the 22nd. The 5pm option is my preference.

Thank you again for your willingness to share thoughts on finance in renewable markets. A couple questions have come to mind:

First, of the renewable plants that have been successfully developed in California, are there any discernable trends in the financing structure? **Are projects financed off the parent company's balance sheet performing better than those financed in the market?** Any trends among debt/equity ratios or sources that can be used in forecasting a project's success?

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From: Tisdale, Matthew
To: Andre Templeman
CC: Ishwar Saini
Sent: 6/11/2011 3:35:42 PM
Subject: Re: Visit to SanFrancisco

Andre and Ishwar,

Thanks for your flexibility on this appointment.

Could we talk this coming Tuesday? I'm free all day except 12-130 (pacific).

Thanks.

On Jun 9, 2011, at 1:59 PM, "Andre Templeman" <Andre.Templeman@macquarie.com> wrote:

Ok, let us know when we will do our best to accommodate.
Sincerely,

André Templeman

Senior Vice-President | Energy Markets Division | Fixed Income, Currencies and Commodities Macquarie Energy Limited | 500 Dallas Street, Level 31, Houston, TX 77002 | T 1.713.275.6138 | M 1.801.455.3033 | F 1.713.275.6115 Email: andre.templeman@macquarie.comIM: andre.templeman.macquarie.com@reuters.net

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From: Alisa Zammit (MacCap Advisors)
To: acr@cpuc.ca.gov
Sent: 7/21/2011 12:53:05 PM
Subject: Payment details

Good afternoon,

Below are the details for the payment we made:

Payment Date: 05/17/2011
Check Number: 127134
Amount $1163.29

Many thanks,
Alisa

Macquarie Capital (USA) Inc

Alisa Zammit
Business Support Executive
Macquarie Capital Advisors
Phone: 1 212 231 1387
Fax: 1 212 231 1718
email: alisa.zammit@macquarie.com

visit: www.macquarie.com/us

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From: Alisa Zammit (MacCap Advisors)
To: Rothchild, Ann Christina
CC: White, Phyllis R.; Mattias, Cathy G.
Sent: 7/22/2011 9:22:35 AM
Subject: RE: Payment details

Hi Ann,

The payee was the CPUC and it was cashed on 5/27.

Thanks,
Alisa

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Friday, July 22, 2011 12:11 PM
To: Alisa Zammit (MacCap Advisors)
Cc: White, Phyllis R.; Mattias, Cathy G.
Subject: RE: Payment details

Alisa,

I also need to know the payee on the check. From notes I see in my file, it looks like the payee was the CPUC and not Comr. Simon. Can you confirm this as well as letting me know that the check was (or was not) cashed?

Thank you,

Ann Christina Rothchild
California Public Utilities Commission
Office of Timothy Alan Simon, Commissioner
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-3712 (personal)
(415) 703-1294 (fax)
E-mail ACR@cpuc.ca.gov

From: Alisa Zammit (MacCap Advisors) [mailto:Alisa.Zammit@macquarie.com]
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Business Support Executive

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Phone: 1 212 231 1387
Fax: 1 212 231 1718
email: alisa.zammit@macquarie.com

visit: www.macquarie.com/us

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From: Peter Kind (MacCap)
To: timothy.simon@cpuc.ca.gov
Sent: 2/6/2012 2:02:56 PM
Subject: Excellent Job Moderating the Panel

Commr Simon--
Great job--entertaining and information rich! You should consider show biz after Regulatory world issues are fully resolved.

Best,
Peter

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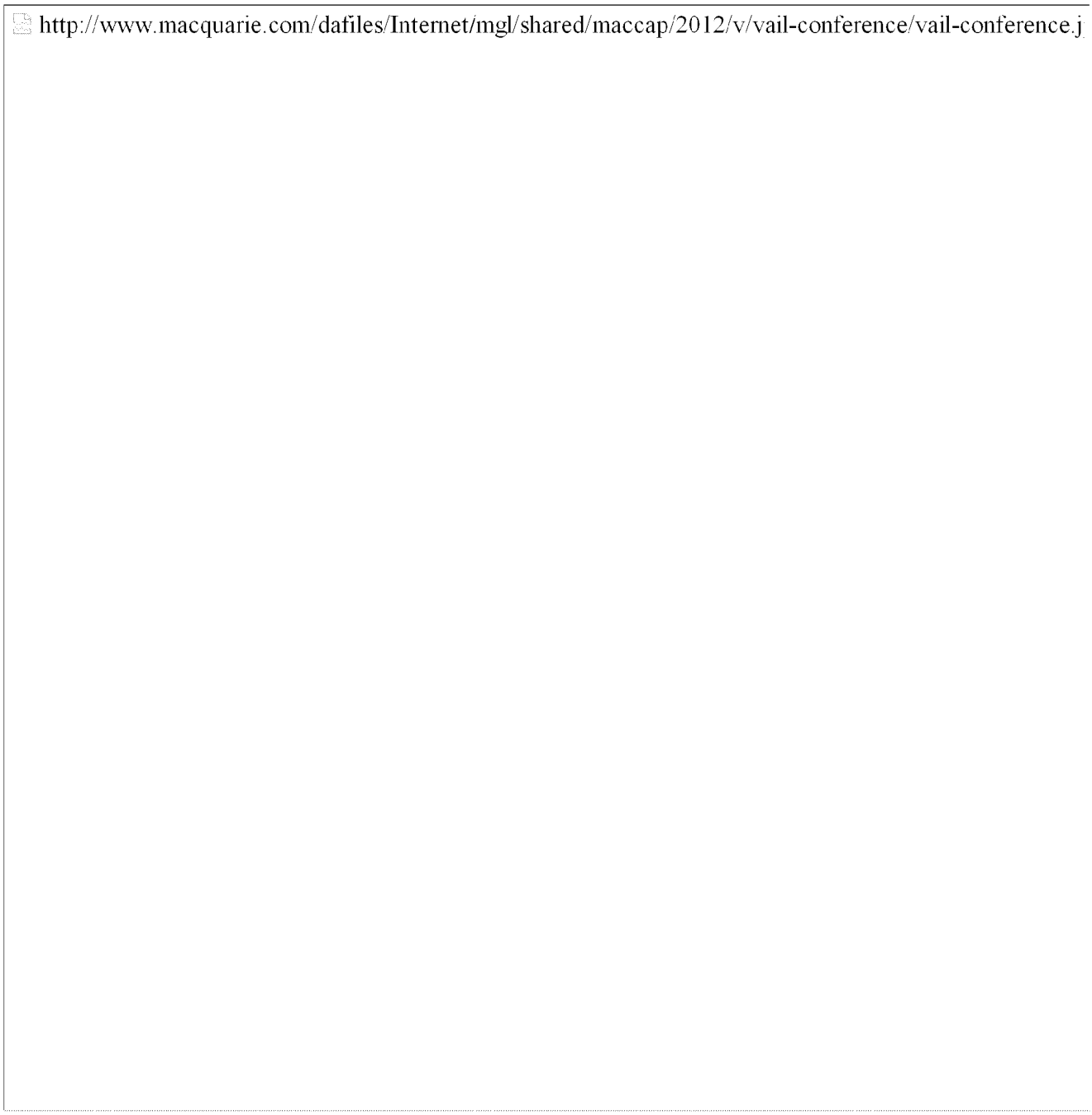
From: Alan James (MacCap)
To: Alan James (MacCap)
Sent: 2/22/2012 9:23:19 AM
Subject: 8th Annual Macquarie Utilities, Power & Gas Conference



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From: Cleo Zagrean (Macquarie Securities)
To: Wetzell, Mark S.
Sent: 3/13/2012 11:56:31 AM
Subject: RE: Schedule for PG&E/San Bruno case

Dear Judge Wetzell,

Thank you very much for your message. I will be looking for the ruling on the schedule, and I would appreciate any thoughts you might be able to share as to the potential timeline for a final decision.

Kind regards,

Cleo Zagrean, CFA
US Equities Research - Utilities and Alternative Energy
Macquarie Capital (USA) Inc.
212-231-1749 (office)
646-255-6777 (cell)
cleo.zagrean@macquarie.com

From: Wetzell, Mark S. [mailto:mark.wetzell@cpuc.ca.gov]
Sent: Monday, March 12, 2012 7:12 PM
To: Cleo Zagrean (Macquarie Securities)
Subject: Schedule for PG&E/San Bruno case

Cleo,

Sorry I didn't get a chance to take your call. In view of the time difference I'm sending this e-mail in lieu of calling back. The current schedule (that I adopted at the February 14 pre-hearing conference) provides for the following:

Consumer Protection and Safety Division (CPSD) testimony served 3/16/12
Intervenor testimony served 4/16/12
PG&E testimony served 6/15/12
CPSD rebuttal testimony served 8/10/12
Discovery cut-off 9/7/12
Evidentiary hearings begin 9/17/12 and continuing for up to 4 weeks

Since the prehearing conference was held I learned of a scheduling conflict that requires the hearings to start a week later (i.e. 9/24). As I mentioned in my voice mail, a formal ruling will be issued in the very near future that addresses the schedule and related procedural matters.

Mark Wetzell
Administrative Law Judge
CPUC

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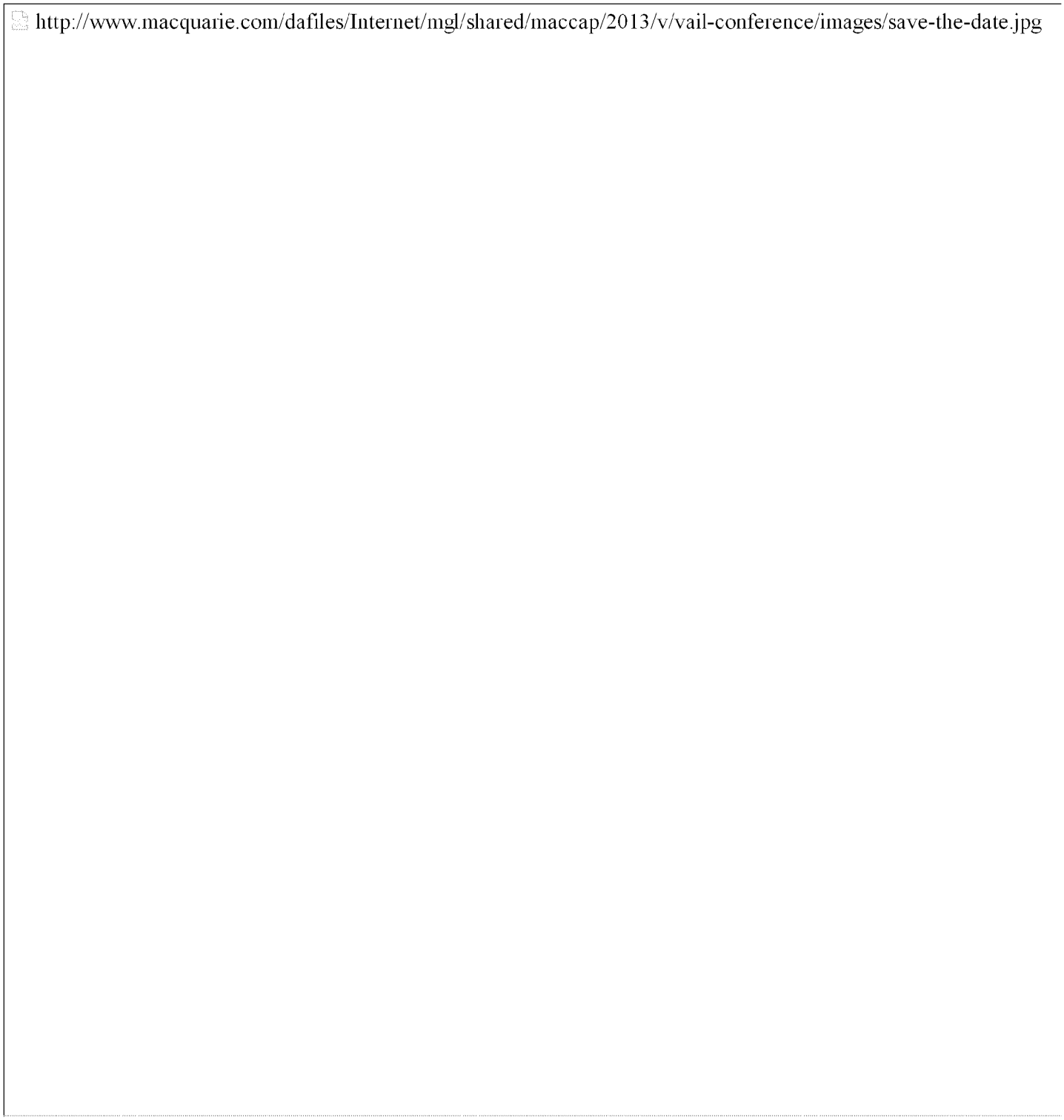
From:	Alan James (MacCap)
To:	Alan James (MacCap)
CC:	Britni Seaholm (MacCap)
Sent:	12/4/2012 5:47:25 AM
Subject:	Macquarie Vail Conference
Attachments:	Vail Conference 2013.pdf

Alan James would like to invite you to Save the Date for our upcoming 8th Annual Macquarie Utilities, Power & Gas dialogue from March 17-19 in Vail Colorado-See below. A formal invitation and update on keynote speakers, panelists' and activities will be provided to you in mid-January.

Alan W. James
Vice Chairman and Senior Managing Director
Macquarie Capital (USA) Inc.
125 West 55th Street
New York NY 10019

+1 212 231 1735
+1 646 220 6943 (cell)



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8TH ANNUAL MACQUARIE UTILITIES POWER & GAS DIALOGUE

Yes, it's on!

SAVE THE DATE:
March 17-19, 2013
Vail, Colorado

Vail Cascade Resort and Spa

Navigating the New Normal

This annual Dialogue offers a unique format whereby industry CEOs, CFOs, regulators, policy makers and other key stakeholders interact under "Chatham House rules" to discuss evolving trends in energy infrastructure requirements – including in renewable energy, T&D and thermal generation – as well as the changing political environment and recent capital market developments... plus the chance to ski with Olympic legends Phil and Steve Mahre!

Inquiries:
Britni Seaholm (212) 231 1387
britni.seaholm@macquarie.com

Karen Arends (212) 231 2626
karen.arends@macquarie.com

MACQUARIE

From:	Alan James (MacCap)
To:	Alan James (MacCap)
CC:	Peter Kind (MacCap)
Sent:	12/4/2012 2:01:17 PM
Subject:	Macquarie Vail Conference
Attachments:	Vail Conference 2013.pdf

Alan James and Peter Kind would like to invite you to Save the Date for our upcoming 8th Annual Macquarie Utilities, Power & Gas dialogue from March 17-19 in Vail Colorado-See below. A formal invitation and update on keynote speakers, panelists' and activities will be provided to you in mid-January.

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125 West 55th Street
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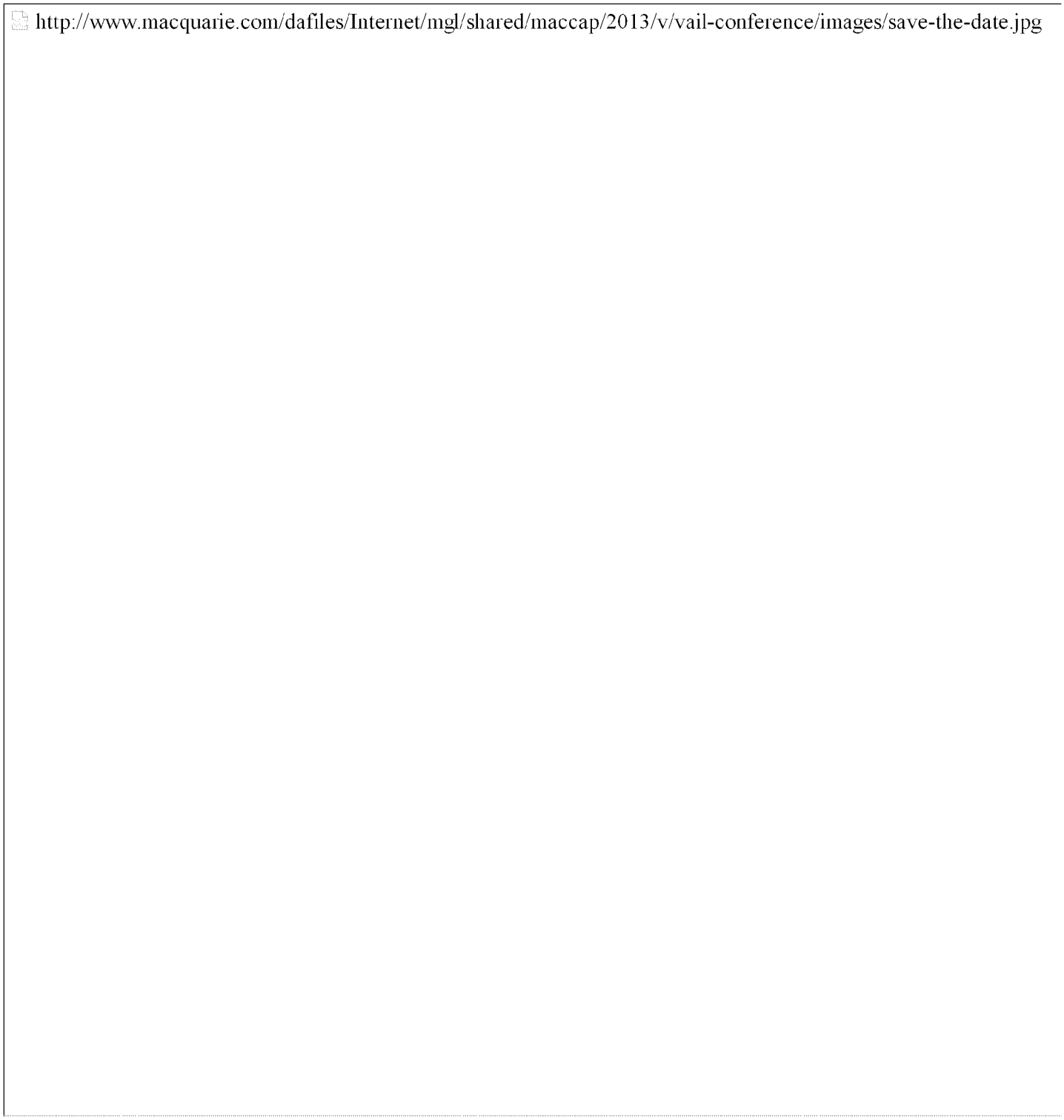

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Britni Seaholm (212) 231 1387
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Karen Arends (212) 231 2626
karen.arends@macquarie.com

MACQUARIE

From:	Alan James (MacCap)
To:	Alan James (MacCap)
CC:	Terry Tang (MacCap); Britni Seaholm (MacCap); Karen Arends
Sent:	1/28/2013 12:39:36 PM
Subject:	Macquarie Vail Conference March 17-19th

To further our Save the Date, sent in early December, please find below the formal invitation including the registration site, www.macquarie.com/vailconference. A written invitation has also been sent to your business address.

We look forward to your registration and given the limited availability we request your timely RSVP.

Best regards,

Alan W. James
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125 West 55th Street
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View this email in your browser

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From:	Alan James (MacCap)
To:	Alan James (MacCap); Britni Seaholm (MacCap)
CC:	Terry Tang (MacCap)
Sent:	2/11/2013 12:38:18 PM
Subject:	Please Register Now - Macquarie Utilities, Power and Gas Conference, Vail, Colorado March 17 to 19, 2013

Hello,

We have yet to receive registration from a large number of those who indicated they plan to attend. So, in order to confirm your attendance please register as soon as possible at www.macquarie.com/vailconference. We have room for an additional 50 participants.

We currently have approximately 70 attendees registered including senior executives from NRG (CEO), Oncor (CEO), Tenaska, (CEO), NorthWestern (Director) Nipsco, Solar Reserve (CFO), Spectra (CEO), PSEG (Snr VP Renewables), Excel Energy, DTE Energy, First Wind (CEO), HECO, Puget Energy (CFO), Atlantic Power (EVP), Edison International (SVP), Opower (President and Founder), Freeport LNG, Calpine, EFH, Sempra; and senior Partners from various energy/infrastructure/pension funds active in our industry including GIC, Hudson Clean Energy, Madison Dearborn, EIF, John Hancock, AIG, Ontario Teachers, Borealis, Covanta, DFJ, etc as well as FERC (Commissioner) and selected State utility regulatory Commissioners from eight States, MISO (CEO), and other policy and interest groups such as the Nuclear Energy Institute and the Clean Air Task Force. We are also waiting to hear back from AES, Dynegy, PG+E and a number of other utility and technology CEO/CFO's.

Below is some background on this conference which may be helpful to provide some context on the format and participants.

This year the Sunday night dinner Keynote speaker will be **Senator Alan Simpson** who will be talking at a crucial time around the US Budget. Additional speakers include Chairman Barry Smitherman (Texas Railroad Commission) and one of the key Natural Gas Regulators on the ripple effect from abundant natural gas, Christopher Smith (Department of Energy, LGN), **Dan Reicher** (formerly of Google, DOE and now at Stanford's Centre for Energy Policy), **Robert Bryce** (author and commentator on the role of renewable energy in the generation mix – see http://www.youtube.com/watch?feature=player_embedded&v=aQcvdhFyW9s) who will debate with Bill Green (formerly of Vantage Point) on the benefits of thermal versus renewable energy over dinner on Monday evening March 18, in a picturesque alpine chalet setting.

This is not a financial conference; rather it is dialogue or discussion around contemporary industry issues. It is structured to be truly interactive where, by using a moderate the discussion flows between the panel and the audience. All discussions are conducted under Chatham House Rule and are confidential to those participating "in the room". In many ways there will be as many experts on a given topic in the audience as on the panels. **Over the 2 ½ days the discussions will revolve around five panels and keynote speeches; *The Economy, Capital, Climate and Growth; Natural Gas; Regulation and Industry Structure; Renewables, Technology and Transmission as well as a Regulators Round Table Discussion.***

As with previous conferences we will have a broad cross section of attendees, points of view and companies, a real mixing pot in our industry. The format is designed to allow a free flowing debate of the serious industry issues around a theme (this year's theme is "Navigating the New Normal" which we will stick to in each panel/audience discussion) and high quality speakers with very strong audience participation – no "talking heads allowed" coupled with afternoons for networking/skiing (we have arranged for Olympians Phil and Steve Mahre to ski with guests) /back country horse riding or riding skidoo's, and speakers over dinner etc.

Once in Vail, you will be provided with:

- Accommodation at the Vail Cascade Resort and Spa in Vail
- All transfers to and from Vail Eagle Airport
- Formal dinners (and lunch) including Key Note Speakers
- A choice of alpine activities from skiing, snowmobiling and horse riding, including all equipment rentals, lift tickets, guides and lift tickets.

Feel free to call me on 212 231 1735 or Britni Seaholm on 212 231 1387 with any questions. Again the registration web site is www.macquarie.com/vailconference.

I hope you can find the time to join us in Vail. **As always partners are welcome to join.**

With best regards,

Alan

Alan W. James
Chairman and Senior Managing Director

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From:	Alan James (MacCap)
To:	catherine.sandoval@cpuc.ca.gov
CC:	Britni Seaholm (MacCap); rwgee@geestrategies.com
Sent:	2/13/2013 11:31:58 AM
Subject:	Invitation to attend and participate on Regulatory Panel - Macquarie 8th Annual Utilities, Power and Gas Dialogue - March 17 to 19, Vail, CO
Attachments:	Vail Agenda.docx

Commissioner Sandoval,

I hope this email finds you well.

Unfortunately I missed catching up with you at NARUC in D.C. earlier last week. I also understand that Bob Gee has, or will over the coming days, spoken to you regarding participating in Macquarie's upcoming Utilities, Power and Gas Conference in Vail, Colorado from March 17 to 19. We would be delighted if you would consider joining us and I have attached a draft conference agenda for your information.

So, I would like to formally invite you to attend this year's conference and participate in a regulatory panel discussion entitled "Regulators Round Table – What's on your Mind". Other participants on this panel will include Commissioner John Norris (FERC), Commissioner Eric Castillo (Wisconsin), Chairman Joshua Epel (Colorado), Chairman Rob Powelson (Pennsylvania), Commissioner Jeanne Fox (New Jersey) and likely a Commissioner from New York.

As with previous conferences we will have a broad cross section of approximately 100 participants (including a group of around 8 state utility regulators, as well as senior industry company representatives – largely CEO/CFO's and a group of Pension Fund/Infrastructure Fund representatives active in the utility industry - a real mixing pot. The format is designed to allow a free flowing debate of the serious industry issues around a theme (this year's theme is "Navigating the New Normal" which we will stick to in each panel/audience discussion) and high quality speakers with very strong audience participation – no "talking heads allowed" coupled with afternoons for networking/skiing (we have arranged for Olympians Phil and Steve Mahre to ski with guests) /back country horse riding or riding skidoo's, and speakers over dinner etc. **We would also be pleased to cover your travel and related costs to and from Vail, Colorado should this be appropriate.**

This is not a financial conference; rather it is dialogue or discussion around contemporary industry issues. It is structured to be truly interactive where, by using a moderate the discussion flows between the panel and the audience. All discussions are conducted under Chatham House Rule and are confidential to those participating "in the room" . In many ways there will be as many experts on a given topic in the audience as on the panels**. Over the 2 ½ days the discussions will revolve around five panels and keynote speeches; *The Economy, Capital, Climate and Growth; Natural Gas; Regulation and Industry Structure; Renewables, Technology and Transmission as well as a Regulators Round Table Discussion*.**

The registrants to date (in addition to the speakers and panellists) include senior executives from NRG (CEO), Oncor (CEO), Tenaska, (CEO), NorthWestern (Director) Nipsco, Solar Reserve (CFO), Spectra (CEO), PSEG (Snr VP Renewables), Excel Energy, DTE Energy, First Wind (CEO), HECO, Puget Energy (CFO), Atlantic Power (EVP), Edison International (SVP), Opower (President and Founder), Freeport LNG, Calpine, EFH, Sempra; and senior Partners from various energy/infrastructure/pension funds active in our industry including GIC, Hudson Clean Energy, Madison Dearborn, EIF, John Hancock, AIG, Ontario Teachers, Borealis, Covanta, DFJ, etc as well as FERC (Commissioner) and selected State utility regulatory Commissioners (including to date from New Jersey, Wisconsin, Texas,

California, Pennsylvania, Colorado), MISO (CEO), and other policy and interest groups such as the Nuclear Energy Institute and the Clean Air Task Force. We are also waiting to hear back from AES, Dynegy, PG+E and a number of other utility and technology CEO/CFO's.

This year the Sunday night dinner Keynote speaker will be **Senator Alan Simpson** who will be talking at a crucial time around the US Budget. Additional speakers include Chairman Barry Smitherman (Texas Railroad Commission) and one of the key Natural Gas Regulators on the ripple effect from abundant natural gas, Christopher Smith (Department of Energy, LGN), **Dan Reicher** (formerly of Google, DOE and now at Stanford's Centre for Energy Policy), **Robert Bryce** (author and commentator on the role of renewable energy in the generation mix – see http://www.youtube.com /watch?feature=player_embedded&v=aQcvdhFyW9s) who will debate with Bill Green (formerly of Vantage Point) on the benefits of thermal versus renewable energy over dinner on Monday evening March 18, in a picturesque alpine chalet setting.

If appropriate I will also provide our views on the panel discussion talking points later next week, although again we are looking to develop a conversational dialogue on current issues between the audience and panelists. We ask that panelists not prepare slides or speeches – this event is a truly interactive dialogue format under Chatham House Rule where by use of a moderator the panel discussions are merge with those of the audience; as in many ways there will be as many experts on a given topic in the audience as on the panels. I am confident you will enjoy the experience, find it somewhat unique and professionally rewarding.

We are confident that you will find the attendees, key note speakers; format and content of real interest (not to mention the surroundings and activities!); so we hope you can join us in Vail.

Below is some background on this conference which may be helpful.

Once in Vail, guests are also provided with:

- Accommodation at the Vail Cascade Resort and Spa in Vail
- All transfers to and from Vail Eagle Airport
- Formal dinners (and lunch) including Key Note Speakers
- A choice of alpine activities from skiing, snowmobiling and horse riding, including all equipment rentals, lift tickets, guides and lift tickets.

I hope this is helpful and you find this of interest. We look forward to seeing you at this event – hopefully you can make it. If so, please register at www.macquarie.com/vailconference or on the link below, or feel free to call me on 646 220 6943, or Britni Seaholm on 212 231 1387.

With best regards,

Alan

Alan W. James
Chairman and Senior Managing Director
Macquarie Capital (USA) Inc.
125 West 55th Street
New York NY 10019

+1 212 231 1735
+1 646 220 6943 (cell)

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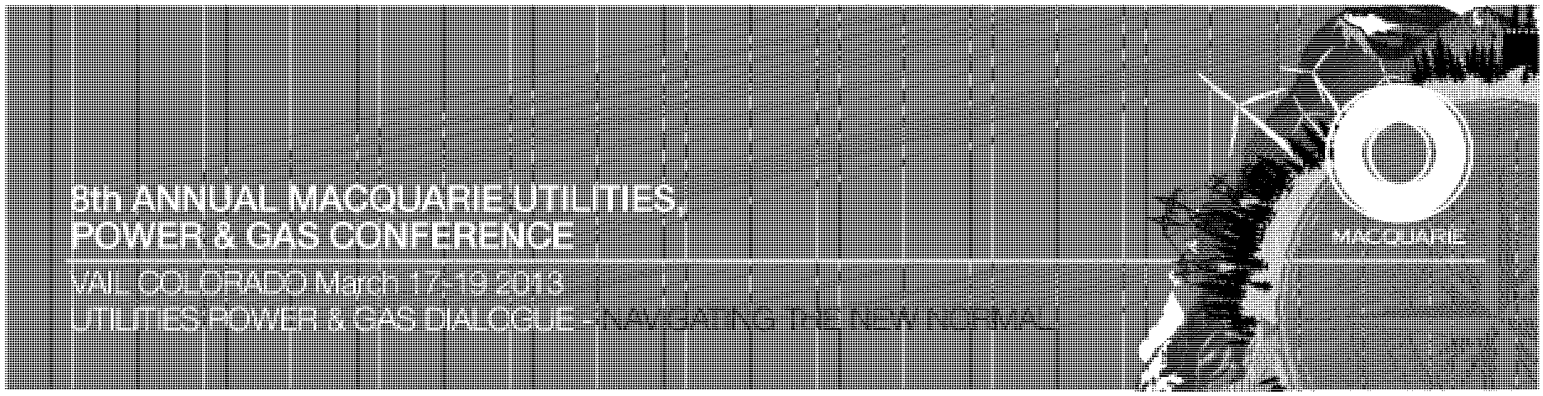
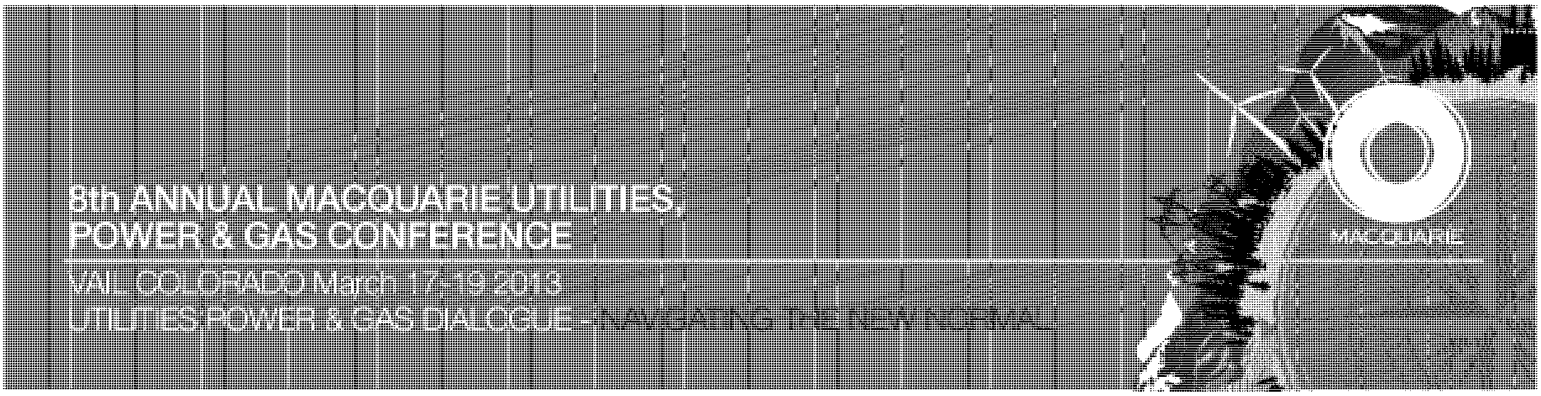


SUNDAY, MARCH 17, 2013:

TIME	SESSION	SPEAKER
2.00pm – 6.00pm	Conference Registration	Vail Cascade Resort & Spa
6.00pm – 7.00pm	Cocktail Reception and Welcome	Vail Cascade Ballroom
7.00pm – 10.00pm	OPENING DINNER AND KEYNOTE SPEAKER *"The Fiscal Cliff, Debt Ceiling and the Budget"*	Senator Alan Simpson

MONDAY, MARCH 18, 2013:

TIME	SESSION	SPEAKERS
7.00am – 8.00am	BREAKFAST	
8.00am – 8.30am	Keynote Perspective *"The Economy and Energy Industry – A Political Perspective"*	Speaker – TBC
8.30am – 10.00am	SESSION 1: PANEL AUDIENCE DISCUSSION – *"Navigating the New Normal – The Economy, Capital, Climate and Growth"*	
10.00am – 10.30am	COFFEE BREAK	
10.30am – 11.00am	Keynote Perspective *"Natural Gas – Past, Present and Future"*	Chairman Barry Smitherman (Texas Railroad Commission)
11.00am – 12.00pm	SESSION 2: PANEL AUDIENCE DISCUSSION – *Navigating the New Normal – Natural Gas"*	
12.00pm – 4.00pm	Alpine Activities (including photo shoot with Phil and Steve Mahre)	
6.00pm – 10.00pm	Conference Offsite Dinner – The 10th Restaurant (access via Gondola) *"Welcome to Vail"* *"Point Counter Point – The Case for Thermal versus Renewable Generation"*	Robert Katz, Chairman, President and CEO, Vail Resorts Robert Bryce - (Pro-Thermal) (Author and Media Commentator) Bill Green – (Pro -Renewable) (Consultant, Macquarie Funds, Ex-



	Vantage Partners)

TUESDAY, MARCH 19, 2013:

TIME	SESSION	SPEAKERS
7.00am – 8.00am	BREAKFAST Discussion – *"Regulators Roundtable – What's on your mind?"* (Various Federal and State Regulators)	
8.00am – 8.30am	Keynote Perspective – *"Regulation and Industry Structure – Driving a Paradigm Shift"*	Jim Connaughton (Exelon)
8.30am – 9.00am	COFFEE BREAK	
9.00am – 10.00am	SESSION 3: PANEL AUDIENCE DISCUSSION – *"Navigating the New Normal-Regulation and Industry Structure"*	
10.00am – 10.15am	COFFEE BREAK	
10.15am – 10.45am	Keynote Perspective *"Renewables – the Case for a Balanced Future"*	Dan Reicher (Standford Energy & Policy Finance Center, previously DOE)
10.45am – 12.00pm	SESSION 4: PANEL AUDIENCE DISCUSSION – "Navigating The New Normal – Renewables, Technology and Transmission"	
12.00pm – 12.15pm	CLOSING REMARKS	

From: NKhumawala@wolfetrahan.com
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 2/27/2013 11:11:47 AM
Subject: RE: Brief update call w/ Naaz Khumawala from Wolfe-Trahan

Anna Marie—does Friday afternoon work for Paul? We have a conflict tomorrow.

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

-----Original Appointment-----
From: anna-marie.madrigal@cpuc.ca.gov [mailto:anna-marie.madrigal@cpuc.ca.gov] **On Behalf Of** Clanon, Paul
Sent: Wednesday, February 27, 2013 2:10 PM
To: Khumawala, Naaz
Subject: Brief update call w/ Naaz Khumawala from Wolfe-Trahan
When: Thursday, February 28, 2013 4:30 PM-4:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Please call Paul at 415.703.3808

2/27—Paul had an urgent matter come up. Need to move to tomorrow (2/28), after Commission meeting. My apologies.—am3

RE: Catch up, they are with a new firm; Electric trends
646-582-9243

Naaz Khumawala
Steve Fleischman

Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

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From: NKhumawala@wolfetrahan.com
To: Madrigal, Anna-Marie
Sent: 2/27/2013 11:13:30 AM
Subject: RE: Brief update call w/ Naaz Khumawala from Wolfe-Trahan

Sure will!

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Wednesday, February 27, 2013 2:13 PM
To: Khumawala, Naaz
Subject: RE: Brief update call w/ Naaz Khumawala from Wolfe-Trahan

Actually Friday IS better. Will 1:30 still work for you?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Wednesday, February 27, 2013 11:12 AM
To: Madrigal, Anna-Marie
Subject: RE: Brief update call w/ Naaz Khumawala from Wolfe-Trahan

Anna Marie—does Friday afternoon work for Paul? We have a conflict tomorrow.

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Image removed by sender.

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To: Khumawala, Naaz
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When: Thursday, February 28, 2013 4:30 PM-4:45 PM (UTC-05:00) Eastern Time (US & Canada).
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646-582-9243

Naaz Khumawala
Steve Fleischman

Thank you,

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From: Madrigal, Anna-Marie
To: 'NKhumawala@wolfetrahan.com'
Sent: 3/1/2013 11:06:35 AM
Subject: Can we push this back 15min, to 2pm?

He's got another meeting & I think it will go long…

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com
To: Madrigal, Anna-Marie
Sent: 3/1/2013 3:45:04 PM
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 01, 2013 2:07 PM
To: Khumawala, Naaz
Subject: Can we push this back 15min, to 2pm?

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From: Madrigal, Anna-Marie
To: 'NKhumawala@wolfetrahan.com'
CC: Madrigal, Anna-Marie
Sent: 3/1/2013 5:02:13 PM
Subject: RE: Can we push this back 15min, to 2pm?

Thanks Naaz—
I need to finish this thing up for Paul, can I follow up on Monday?
It's on my radar....

Anna-Marie Madrigal
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From: NKhumawala@wolfetrahan.com
To: Madrigal, Anna-Marie
Sent: 3/1/2013 5:02:43 PM
Subject: RE: Can we push this back 15min, to 2pm?

Absolutely, no rush. Thanks!

Wolfe Trahan

Naaz Khumawala
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NKhumawala@WolfeTrahan.com
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 01, 2013 8:02 PM
To: Khumawala, Naaz
Cc: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Thanks Naaz—
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Anna-Marie Madrigal
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505 Van Ness Avenue
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Anna-Marie Madrigal

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From: Madrigal, Anna-Marie
To: 'NKhumawala@wolfetrahan.com'
Sent: 3/4/2013 12:38:17 PM
Subject: RE: Can we push this back 15min, to 2pm?

Naaz—
I have afternoon on the 2nd or morning on the 3rd.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 5:03 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Absolutely, no rush. Thanks!

Wolfe Trahan

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O: 415.703.1636
F: 415.703.1356

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From: NKhumawala@wolfetrahan.com
To: Madrigal, Anna-Marie
Sent: 3/4/2013 2:24:57 PM
Subject: RE: Can we push this back 15min, to 2pm?

We'll take afternoon on the 2nd

Wolfe Trahan
Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, March 04, 2013 3:38 PM
To: Khumawala, Naaz
Subject: RE: Can we push this back 15min, to 2pm?

Naaz—
I have afternoon on the 2nd or morning on the 3rd.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 5:03 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Absolutely, no rush. Thanks!

Wolfe Trahan
Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 01, 2013 8:02 PM
To: Khumawala, Naaz
Cc: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Thanks Naaz—
I need to finish this thing up for Paul, can I follow up on Monday?
It's on my radar….

Anna-Marie Madrigal

Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

Image removed by sender. Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates visit: WolfeTrahan.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Friday, March 01, 2013 2:07 PM
To: Khumawala, Naaz
Subject: Can we push this back 15min, to 2pm?

He's got another meeting & I think it will go long…

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

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From:	Clanon, Paul on behalf of Madrigal, Anna-Marie
To:	NKhumawala@wolfetrahan.com; Clanon, Paul
Sent:	3/4/2013 3:16:21 PM
Subject:	In-person meeting w/ Naaz, et al
Attachments:	ATT31261 1.jpg; ATT92906 2.jpg; Attachment1

3/4 --Ok'd per Paul.—am3

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

Name: Attachment1

From: NKhumawala@wolfetrahan.com
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 3/4/2013 3:18:41 PM
Subject: RE: In-person meeting w/ Naaz, et al

Anna Marie, any time earlier in the afternoon work for you? Even 30 minutes earlier would be good. Thanks!

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

-----Original Appointment-----
From: anna-marie.madrigal@cpuc.ca.gov [mailto:anna-marie.madrigal@cpuc.ca.gov] **On Behalf Of** Clanon, Paul
Sent: Monday, March 04, 2013 6:16 PM
To: Khumawala, Naaz
Subject: In-person meeting w/ Naaz, et al
When: Tuesday, April 02, 2013 6:30 PM-6:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: 5305

3/4 --Ok'd per Paul.—am3

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

<< File: ATT31261 1.jpg >>

<< File: ATT92906 2.jpg >>

Naaz Khumawala
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NKhumawala@WolfeTrahan.com
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From:	Clanon, Paul on behalf of Madrigal, Anna-Marie
To:	NKhumawala@wolfetrahan.com; Clanon, Paul
Sent:	3/4/2013 3:43:28 PM
Subject:	In-person meeting w/ Naaz, et al
Attachments:	ATT41729 1.jpg; ATT89087 2.jpg; Attachment1

3/4—Per Naaz'z request, moving 30min earlier. This is the earliest; Agenda Review ends at 3pm. Morning is not open.—am3
3/4 --Ok'd per Paul.—am3

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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Name: Attachment1

From: Madrigal, Anna-Marie
To: 'NKhumawala@wolfetrahan.com'
Sent: 3/4/2013 3:43:50 PM
Subject: RE: In-person meeting w/ Naaz, et al

3pm was the earliest that day.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Monday, March 04, 2013 3:19 PM
To: Madrigal, Anna-Marie
Subject: RE: In-person meeting w/ Naaz, et al

Anna Marie, any time earlier in the afternoon work for you? Even 30 minutes earlier would be good. Thanks!

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Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

-----Original Appointment-----
From: anna-marie.madrigal@cpuc.ca.gov [mailto:anna-marie.madrigal@cpuc.ca.gov] **On Behalf Of** Clanon, Paul
Sent: Monday, March 04, 2013 6:16 PM
To: Khumawala, Naaz
Subject: In-person meeting w/ Naaz, et al
When: Tuesday, April 02, 2013 6:30 PM-6:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: 5305

3/4 --Ok'd per Paul.—am3

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

<< File: ATT31261 1.jpg >> << File: ATT92906 2.jpg >>

Naaz Khumawala
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From: NKhumawala@wolfetrahan.com
To: Madrigal, Anna-Marie
Sent: 3/4/2013 3:44:56 PM
Subject: RE: In-person meeting w/ Naaz, et al

We'll take 3pm then

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Monday, March 04, 2013 6:44 PM
To: Khumawala, Naaz
Subject: RE: In-person meeting w/ Naaz, et al

3pm was the earliest that day.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Monday, March 04, 2013 3:19 PM
To: Madrigal, Anna-Marie
Subject: RE: In-person meeting w/ Naaz, et al

Anna Marie, any time earlier in the afternoon work for you? Even 30 minutes earlier would be good. Thanks!

Image removed by sender.

Image removed by sender.

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

-----Original Appointment-----
From: anna-marie.madrigal@cpuc.ca.gov [mailto:anna-marie.madrigal@cpuc.ca.gov] **On Behalf Of** Clanon, Paul
Sent: Monday, March 04, 2013 6:16 PM
To: Khumawala, Naaz
Subject: In-person meeting w/ Naaz, et al
When: Tuesday, April 02, 2013 6:30 PM-6:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: 5305

3/4 --Ok'd per Paul.—am3

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

<< File: ATT31261 1.jpg >>	<< File: ATT92906 2.jpg >>	**Naaz Khumawala** Utilities & Power (646) 582-9243 NKhumawala@WolfeTrahan.com To see all of our latest updates visit: WolfeTrahan.com

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From:	NKhumawala@wolfetrahan.com
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Sent:	3/5/2013 4:44:17 PM
Subject:	Commissioner Florio Meeting Request
Attachments:	Florio Meeting Request.doc

Attached please find a meeting request form for Commissioner Florio. Please let me know if you need anything else. Thanks.

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 3/5/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Trahan
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy ( ) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Wolfe Trahan Naaz Khumawala, Wolfe Trahan
Proposed date/time of meeting: 4/2/2013
Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfetrahan.com,
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	NKhumawala@wolfetrahan.com
To:	sandovalrequest@cpuc.ca.gov
Sent:	3/5/2013 4:51:46 PM
Subject:	Commissioner Sandoval Meeting Request
Attachments:	Sandoval Meeting Request.doc

Attached please find a meeting request form for Commissioner Sandoval. Please let me know if you need anything else. Thanks.

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 3/5/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Trahan
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Meeting Attendees (name, title, company): Steve Fleishman, Equity Analyst, Wolfe Trahan Naaz Khumawala, Equity Analyst, Wolfe Trahan
Proposed date/time of meeting: 4/2/2013
Contact name, phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfetrahan.com,

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From: NKhumawala@wolfetrahan.com
To: bnk@cpuc.ca.gov
Sent: 3/5/2013 5:06:52 PM
Subject: Commissioner Ferron Meeting Request
Attachments: Ferron Meeting Request.doc

Attached please find a meeting request form for Commissioner Sandoval. Please let me know if you need anything else. Thanks.

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: Naaz Khumawala (Equity Analyst), Wolfe Trahan	**Today's Date**: 3/5/13
2. Reason for meeting (subject, topic, issues): Discuss California regulatory environment, safety issues and renewable standards	
3. Docket or Proceeding # (if applicable) and case name: n/a	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 4/2/2013	**X In Person** ☐ **By phone**
Proposed staff: X Comr. Ferron* ☐**Charlotte TerKeurst** **XMichael Colvin** **XSara Kamins** ☐**Charlyn Hook**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	
6. Industry: **X Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** **X General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** X No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes X No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Steve Fleishman	Wolfe Trahan	Equity Analyst
Naaz Khumawala	Wolfe Trahan	Equity Analyst

10. List your contact information:		
Contact name: Naaz Khumawala		**E-mail: nkhumawala@wolfetrahan.com**
Office phone: 646-582-9243	**Cell:**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

*If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.

** Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.*

From:	NKhumawala@wolfetrahan.com
To:	scott.mosbaugh@cpuc.ca.gov
CC:	julie.fitch@cpuc.ca.gov
Sent:	3/5/2013 5:18:25 PM
Subject:	Peterman Meeting Request
Attachments:	Peterman Meeting Request.doc

Attached please find a request to meet with Commissioner Peterman. Please let me know if you need anything else. Thanks.

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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: 3/5/13
Person (and entity) requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Trahan
Docket # and Short Name:
Reason for the meeting: Meet Commissioner Peterman, discuss California regulatory environment, safety issues and renewable standards
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? Yes ( ) No (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? Yes ( ) No (X) *If yes, Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman.*
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Trahan Naaz Khumawala, Equity Analyst, Wolfe Trahan
Proposed date/time of meeting: 4/2/2013 In Person (X) By phone ( )
Contact name, phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfetrahan.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Email meeting request to Scott Mosbaugh: scott.mosbaugh@cpuc.ca.gov
Please cc Julie Fitch: julie.fitch@cpuc.ca.gov

From: NKhumawala@wolfetrahan.com
To: dmk@cpuc.ca.gov; vm1@cpuc.ca.gov
Sent: 3/8/2013 4:53:35 PM
Subject: FW: Commissioner Sandoval Meeting Request
Attachments: Sandoval Meeting Request.doc

Ditas—sorry to bug you on a Friday afternoon. We'd love to see the Commissioner if she's available on April 2. We are meeting with Paul Clannon at 3pm and then with PG&E at 4pm, but otherwise our day is free. Thanks!

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Khumawala, Naaz
Sent: Tuesday, March 05, 2013 7:52 PM
To: sandovalrequest@cpuc.ca.gov
Subject: Commissioner Sandoval Meeting Request

Attached please find a meeting request form for Commissioner Sandoval. Please let me know if you need anything else. Thanks.

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 3/5/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Trahan
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Meeting Attendees (name, title, company): Steve Fleishman, Equity Analyst, Wolfe Trahan Naaz Khumawala, Equity Analyst, Wolfe Trahan
Proposed date/time of meeting: 4/2/2013
Contact name, phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfetrahan.com,

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From: Malliett, Valerie
To: NKhumawala@wolfetrahan.com
CC: Katague, Ditas
Sent: 3/11/2013 10:45:40 AM
Subject: RE: Commissioner Sandoval Meeting Request

I am confirming your meeting with Commissioner Sandoval at 1pm on Tuesday April 2.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 08, 2013 4:54 PM
To: Katague, Ditas; Malliett, Valerie
Subject: FW: Commissioner Sandoval Meeting Request

Ditas—sorry to bug you on a Friday afternoon. We'd love to see the Commissioner if she's available on April 2. We are meeting with Paul Clannon at 3pm and then with PG&E at 4pm, but otherwise our day is free. Thanks!

Image removed by sender. Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates visit: WolfeTrahan.com

From: Khumawala, Naaz
Sent: Tuesday, March 05, 2013 7:52 PM
To: sandovalrequest@cpuc.ca.gov
Subject: Commissioner Sandoval Meeting Request

Attached please find a meeting request form for Commissioner Sandoval. Please let me know if you need anything else. Thanks.

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From: NKhumawala@wolfetrahan.com
To: Malliett, Valerie
Sent: 3/11/2013 11:16:19 AM
Subject: RE: Commissioner Sandoval Meeting Request

Great, thanks!

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Monday, March 11, 2013 1:46 PM
To: Khumawala, Naaz
Cc: Katague, Ditas
Subject: RE: Commissioner Sandoval Meeting Request

I am confirming your meeting with Commissioner Sandoval at 1pm on Tuesday April 2.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 08, 2013 4:54 PM
To: Katague, Ditas; Malliett, Valerie
Subject: FW: Commissioner Sandoval Meeting Request

Ditas—sorry to bug you on a Friday afternoon. We'd love to see the Commissioner if she's available on April 2. We are meeting with Paul Clannon at 3pm and then with PG&E at 4pm, but otherwise our day is free. Thanks!

Image removed by sender. Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Khumawala, Naaz
Sent: Tuesday, March 05, 2013 7:52 PM
To: sandovalrequest@cpuc.ca.gov
Subject: Commissioner Sandoval Meeting Request

Attached please find a meeting request form for Commissioner Sandoval. Please let me know if you need anything else. Thanks.

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disclosure, distribution or copying of this transmittal is prohibited except by or on behalf of the intended recipient. The contents of this e-mail, including any attachments, is to be used solely for informational purposes, and should not be regarded as an offer, or a solicitation of an offer to buy or sell a security, financial instrument or service discussed herein. Opinions in this communication constitute the current judgment of the author as of the date and time of this e-mail and are subject to change without notice. Information herein is believed to be reliable but Wolfe Trahan & Co. and its affiliates, including but not limited to Wolfe Trahan Securities, makes no representation that it is complete or accurate. Recipients are encouraged to seek financial advice from their financial advisor regarding the appropriateness of investing in a security or financial instrument referred to in this e-mail and should understand that statements regarding the future performance of the financial instruments or the securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Trahan and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Trahan & Co., please see http://www.WolfeTrahan.com/disclosures.

From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/13/2013 1:55:52 PM
Subject: [Wolfe Trahan] Utilties & Power Initiation Conference Call - Friday, March 15th at 10 a.m. ET

Util

Regulateds
Integrateds - Mar
IPPs - Ma

Wolfe Trahan Conference Call:

Utilities and Power Initiation

Hosted by Steve Fleishman

Friday, March 15 at 10:00 a.m. ET

DIAL IN INFORMATION
US/Canada: 888-267-2845
International: +1 973-413-6102
Conference ID: 985124

Click Here to Add to Calendar

Key Topics on the Call will Include:
Initiation on Utilities and Power at Wolfe Trahan
Industry Views
Top Stock Ideas

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeTrahan.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeTrahan.cc

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/13/2013 3:08:52 PM
Subject: [Wolfe Trahan] PCG: Initiating Coverage with Outperform and $46 price target

Util

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PG&E Corporation (PCG - $42.96* - Outperform)

This too shall pass

Click here to view our complete 15 page note [PDF]

Click here to view our PCG model [XLS]

Initiating coverage with an outperform, $46 PT; LT turnaround story
We are initiating coverage of PCG with an Outperform rating and a $46 price target. San Bruno (SB) and remain a big overhang on PCG stock. However, long-term we believe PCG is fundamentally sound an opportunity to buy a regulated utility at a sizeable discount to the group. We see the major issues with Sa resolution this year and believe PCG is well positioned for the long-term with above-average rate base growth continue to view favorably California regulation.

Nearing resolution on major San Bruno issues; 4/26 key date
After a few years of investigations, there is one big decision left on fines. Based on the failed settlement disc and our discussions at the California PUC we believe a $500 million fine assumption is a reasonable estima briefs on the proposed fine will be filed 4/26. We believe the CPUC is working towards a decision on the fine the third anniversary of San Bruno. In our view, certainty on the fine will be an inflection point and will al expansion.

Equity needs sizeable; rate cases up next
We project sizeable equity needs of $1.5B in 2013, $1.2B in 2014, $1B in 2015 and $800M in 2016. Near-te used to fund one-time costs, penalties and capex. Longer-term the equity is used to fund growth capex. We $5.1-$5.2B of capex annually. PCG has two major rate cases upcoming, the 2014 GRC and the 2015 gas tr which will include the PSEP Phase 2. We assume these cases will allow PCG to begin earning its authorized ret

$46 price target based on discounted P/E multiple
We value PCG at a P/E of 14.5x 2015E earnings. This is a discount to the industry average (15x) to account f San Bruno risk. Risks to our outlook are: 1) liability related to the San Bruno explosion, 2) lower than outcon and 3) Any unforeseen changes to California regulation.

*Price as of market close 3/11/13

Read more... [PDF]

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeTrahan.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeTrahan.cc

This email was sent to:
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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/14/2013 11:00:41 AM
Subject: [Wolfe Trahan] Reminder: Utilties & Power Initiation Conference Call - TOMORROW, March 15th at 10 a.m. ET

Util

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Integrateds - Mar
IPPs - Ma

Wolfe Trahan Conference Call:

Utilities and Power Initiation

Hosted by Steve Fleishman

Friday, March 15 at 10:00 a.m. ET

DIAL IN INFORMATION
US/Canada: 888-267-2845
International: +1 973-413-6102
Conference ID: 985124

Click Here to Add to Calendar

Key Topics on the Call will Include:
Initiation on Utilities and Power at Wolfe Trahan
Industry Views
Top Stock Ideas

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeTrahan.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeTrahan.cc

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From:	Steve Fleishman
To:	mike.florio@cpuc.ca.gov
Sent:	3/14/2013 1:32:29 PM
Subject:	Conference Invite: Wolfe Trahan Power & Gas Deep Dive
Attachments:	2013 Wolfe Trahan Utilities Deep Dive Conference - Agenda.pdf

Below please find an invitation and agenda [attached] for our 2013 Power & Gas Deep Dive Conference on Thursday, April 11, 2013 in Houston, TX. It will follow the Calpine Analyst Day in Houston on Wednesday, April 10, 2013.

To RSVP please contact utilities@wolfetrahan.com or Steve Fleishman at 646-582-9241

Suggested Hotel
We have a room block at the Four Seasons under Wolfe Trahan, $368

Four Seasons Houston
1300 Lamar St, Houston, TX 77010
713-650-1300

Suggested Flights

Departing on Wednesday April 10, 2012
UA 1178 EWR to IAH, departs 6:45am arrives Houston at 9:22am
UA 427 LGA to IAH, departs 7:20am arrives Houston at 10:03am

Return on Thursday, April 11, 2012
UA 721 IAH to EWR, departs 6:24pm, arrives Newark at 10:59pm
UA 478 IAH to LGA, departs 6:59pm arrives New York at 11:29pm

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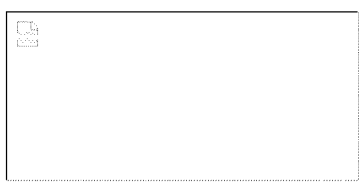
2013 Power & Gas Deep Dive Conference



You are cordially invited to attend the first annual Wolfe Trahan Deep Dive Conference on the Power and Gas sectors, scheduled for Thursday, April 11, 2013, in Houston, TX. This will be an interactive event to discuss business opportunities and risks in the power and gas space with leading executives.

Companies to present:
- Calpine
- Cheniere
- Dominion Resources
- Dynegy
- Exelon
- FirstEnergy
- NextEra Energy
- Public Service Enterprise Group
- Spectra

Key topics:

- Prospects for power recovery
- LNG export
- Power demand
- Renewables
- Retail strategies
- EPA rules & coal
- Capacity markets
- ERCOT, PJM changes

Please note this event will not be webcast and space is limited.

For further information please visit www.WolfeTrahan.com
or contact your sales representative: Sales@WolfeTrahan.com

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WOLFE TRAHAN

Wolfe Trahan & Co. Power & Gas Deep Dive Conference
Thursday, April 11, 2013
The Four Seasons, Houston, TX

Thursday, April 11

Time	Panel Presentations: Austin Room, 3rd Floor
7:00am	**Breakfast & Registration** Austin Room & Foyer
7:30-7:40am	**Conference Introduction** Wolfe Trahan & Co. – Steve Fleishman, Managing Director, Utilities Equity Research
7:40 – 8:30am	**Exelon Corporation** Joseph Nigro, Senior Vice President, Portfolio Management & Strategy Edward Quinn, Senior Vice President, Wholesale Trading and Origination
8:30 – 9:20am	**FirstEnergy Corp.** John Judge, Vice President, Corporate Risk
9:20 – 10:10am	**Public Service Enterprise Group** Shahid Malik, President, Energy Resources & Trade
10:10 – 10:20am	**Morning Break**
10:20 – 11:10am	**Cheniere Energy, Inc.** Katie Pipkin, Vice President, Finance
11:10am – 12:00pm	**Dominion Resources Inc.** Paul D. Koonce, EVP and CEO of Energy Infrastructure Group and Virginia Power
12:00 – 1:20pm	**Keynote Lunch: Natural Gas Outlook** Asset Risk Management LLC – Keith Barnett, Senior Vice President, Head of Fundamentals
1:20 – 2:10pm	**Calpine Corporation** Caleb Stephenson, Vice President, Commercial Analytics
2:10 – 3:00pm	**Dynegy Inc.** Bob Flexon, President and Chief Executive Officer
3:00pm – 3:50pm	**Spectra Energy** Pat Reddy, Chief Financial Officer
3:50 – 4:40pm	**NextEra Energy, Inc.** Armando Pimental, President and CEO of NextEra Energy Resources, LLC
5:00pm	**Conference Concludes**

From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/15/2013 6:00:26 AM
Subject: 1-Hour Reminder: Utilities & Power Initiation Conference Call TODAY 10 a.m. ET - Slides Now Available

Util

Regulateds
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IPPs - Ma

Wolfe Trahan Conference Call:

Utilities and Power Initiation

Hosted by Steve Fleishman

Today at 10:00 a.m. ET

DIAL IN INFORMATION
US/Canada: 888-267-2845
International: +1 973-413-6102
Conference ID: 985124

Click Here for Accompanying Slides

Key Topics on the Call will Include:
Initiation on Utilities and Power at Wolfe Trahan
Industry Views
Top Stock Ideas

2013 Power & Gas Deep Dive Conference

You are cordially invited to attend the first annual Wolfe Trahan Deep Dive Conference on the Power and Gas sectors, scheduled for Thursday, April 11, 2013, in Houston, TX. This will be an interactive event to discuss business opportunities and risks in the power and gas space with leading executives.

Companies to present:
- Calpine
- Cheniere
- Dominion Resources
- Dynegy
- Exelon
- FirstEnergy
- NextEra Energy
- Public Service Enterprise Group
- Spectra

Key topics:
- Prospects for power recovery
- LNG export
- Power demand
- Renewables
- Retail strategies
- EPA rules & coal
- Capacity markets
- ERCOT, PJM changes

Please note this event will not be webcast and space is limited.

For further information please visit www.WolfeTrahan.com
or contact your sales representative: Sales@WolfeTrahan.com

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeTrahan.com

If you would like to follow–up with any questions, please email us at Utilities@WolfeTrahan.cc

This email was sent to:
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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/15/2013 11:45:14 AM
Subject: Utilities & Power Initiation Conference Call - Replay Now Available

Util

Regulateds
Integrateds - Mar
IPPs - Ma

Wolfe Trahan Conference Call Replay:

Utilities and Power Initiation

Hosted by Steve Fleishman

Friday, March 15th, 2013

Click Here for Replay

Key Topics on the Call will Include:
Initiation on Utilities and Power at Wolfe Trahan
Industry Views
Top Stock Ideas

2013 Power & Gas Deep Dive Conference

You are cordially invited to attend the first annual Wolfe Trahan Deep Dive Conference on the Power and Gas sectors, scheduled for Thursday, April 11, 2013, in Houston, TX. This will be an interactive event to discuss business opportunities and risks in the power and gas space with leading executives.

Companies to present:
- Calpine
- Cheniere

- Dominion Resources
- Dynegy
- Exelon
- FirstEnergy
- NextEra Energy
- Public Service Enterprise Group
- Spectra

Key topics:
- Prospects for power recovery
- LNG export
- Power demand
- Renewables
- Retail strategies
- EPA rules & coal
- Capacity markets
- ERCOT, PJM changes

Please note this event will not be webcast and space is limited.

For further information please visit www.WolfeTrahan.com
or contact your sales representative: Sales@WolfeTrahan.com

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeTrahan.com

If you would like to follow–up with any questions, please email us at Utilities@WolfeTrahan.c

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securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Trahan and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Trahan & Co., please see http://www.WolfeTrahan.com/disclosures.

From:	Dahlgren, Joan
To:	nkhumawala@wolfetrahan.com
CC:	Khosrowjah, Sepideh
Sent:	3/15/2013 3:28:27 PM
Subject:	Your meeting request of 3/5

Hello Naz,

Thank you for your recent meeting request. Unfortunately, both Sepideh Khosrowjah, our chief of staff, and Commissioner Florio are not available to meet on April 2. If you would like to meet with an advisor, please let us know.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: NKhumawala@wolfetrahan.com
To: cde@cpuc.ca.gov
Sent: 3/18/2013 11:49:15 AM
Subject: Meeting with Carol Brown for 4/2

Cody,

I just spoke to Carol and she said you would be the best person to contact to book a meeting with her on April 2. We are investors/analysts in the utilities space and we were hoping to speak to her on CA regulatory matters for PCG and EIX (I gave her details as well). We are not parties to the case, so this is not an ex-parte meeting.

We are available from 9am-12pm on April 2nd.

Thanks!

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

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From: Goldthrite, Cody
To: NKhumawala@wolfetrahan.com
CC: Brown, Carol A.
Sent: 3/18/2013 12:01:41 PM
Subject: RE: Meeting with Carol Brown for 4/2

Good morning Naaz,

I scheduled the below referenced meeting for April 2nd from 9AM – 10AM in Room 5209.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Monday, March 18, 2013 11:49 AM
To: Goldthrite, Cody
Subject: Meeting with Carol Brown for 4/2

Cody,

I just spoke to Carol and she said you would be the best person to contact to book a meeting with her on April 2. We are investors/analysts in the utilities space and we were hoping to speak to her on CA regulatory matters for PCG and EIX (I gave her details as well). We are not parties to the case, so this is not an ex-parte meeting.

We are available from 9am-12pm on April 2nd.

Thanks!

Wolfe Trahan

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From: NKhumawala@wolfetrahan.com
To: Goldthrite, Cody
CC: Brown, Carol A.
Sent: 3/18/2013 12:14:13 PM
Subject: RE: Meeting with Carol Brown for 4/2

Excellent, thanks very much!

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Monday, March 18, 2013 3:02 PM
To: Khumawala, Naaz
Cc: Brown, Carol A.
Subject: RE: Meeting with Carol Brown for 4/2

Good morning Naaz,

I scheduled the below referenced meeting for April 2nd from 9AM – 10AM in Room 5209.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Monday, March 18, 2013 11:49 AM
To: Goldthrite, Cody
Subject: Meeting with Carol Brown for 4/2

Cody,

I just spoke to Carol and she said you would be the best person to contact to book a meeting with her on April 2. We are investors/analysts in the utilities space and we were hoping to speak to her on CA regulatory matters for PCG and EIX (I gave her details as well). We are not parties to the case, so this is not an ex-parte meeting.

We are available from 9am-12pm on April 2nd.

Thanks!

Wolfe Trahan

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From:	Tisdale, Matthew
To:	Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
CC:	nkhumawala@wolfetrahan.com
Sent:	3/19/2013 1:52:08 PM
Subject:	Wolf Trahan Visit on April 2

Hi Folks,

I just spoke with Naz Khumawala at Wolfe Trahan. She is bringing in a group of analysts on April 2 to meet with various Commissioners and staff. She expects to have 20 people in her meeting and so requests that, if possible, we use Room 5305 to be sure there is adequate space and to limit the number of moves the large group has to make.

I know you're all managing your respective meetings. I suggest we coordinate to see whether it is possible to accommodate Naz's request.

Thank you,

Matthew

From: Brodrick, Amy
To: Tisdale, Matthew; nkhumawala@wolfetrahan.com
CC: Mendiola, Carolina
Sent: 3/19/2013 2:44:20 PM
Subject: FW: Wolf Trahan Visit on April 2

Hi Matthew,

I'm working with Carol Mendiolo in reserving 5305.

Will that work Naz/Matthew... 10-11am?

Amy Brodrick
Office of Commissioner Michel Florio
California Public Utilities Commission
Phone: (415) 703-2283
Email: ahb@cpuc.ca.gov

From: Mendiola, Carolina
Sent: Tuesday, March 19, 2013 2:35 PM
To: Brodrick, Amy
Subject: RE: Wolf Trahan Visit on April 2

This is also the group set for 9am to 10 with Peevey's office. Maybe you want to take the time after.

From: Brodrick, Amy
Sent: Tuesday, March 19, 2013 2:32 PM
To: Mendiola, Carolina
Subject: FW: Wolf Trahan Visit on April 2

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

Hi Folks,

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I know you're all managing your respective meetings. I suggest we coordinate to see whether it is possible to accommodate Naz's request.

Thank you,

Matthew

From: NKhumawala@wolfetrahan.com
To: Tisdale, Matthew
Sent: 3/19/2013 2:46:05 PM
Subject: FW: Wolf Trahan Visit on April 2

Matt—who's Carolina?

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Tuesday, March 19, 2013 5:44 PM
To: Tisdale, Matthew; Khumawala, Naaz
Cc: Mendiola, Carolina
Subject: FW: Wolf Trahan Visit on April 2

Hi Matthew,

I'm working with Carol Mendiolo in reserving 5305.

Will that work Naz/Matthew... 10-11am?

Amy Brodrick
Office of Commissioner Michel Florio
California Public Utilities Commission
Phone: (415) 703-2283
Email: ahb@cpuc.ca.gov

From: Mendiola, Carolina
Sent: Tuesday, March 19, 2013 2:35 PM
To: Brodrick, Amy
Subject: RE: Wolf Trahan Visit on April 2

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From: Brodrick, Amy
Sent: Tuesday, March 19, 2013 2:32 PM
To: Mendiola, Carolina
Subject: FW: Wolf Trahan Visit on April 2

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

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Thank you,

Matthew

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From: NKhumawala@wolfetrahan.com
To: Brodrick, Amy; Tisdale, Matthew
CC: Mendiola, Carolina
Sent: 3/19/2013 2:59:29 PM
Subject: RE: Wolf Trahan Visit on April 2

Matthew—Julianne Banks has requested Commissioner Ferron to meet with us at 10am. Can I move you to 2pm by any chance?

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Tuesday, March 19, 2013 5:44 PM
To: Tisdale, Matthew; Khumawala, Naaz
Cc: Mendiola, Carolina
Subject: FW: Wolf Trahan Visit on April 2

Hi Matthew,

I'm working with Carol Mendiolo in reserving 5305.

Will that work Naz/Matthew… 10-11am?

Amy Brodrick
Office of Commissioner Michel Florio
California Public Utilities Commission
Phone: (415) 703-2283
Email: ah6@cpuc.ca.gov

From: Mendiola, Carolina
Sent: Tuesday, March 19, 2013 2:35 PM
To: Brodrick, Amy
Subject: RE: Wolf Trahan Visit on April 2

This is also the group set for 9am to 10 with Peevey's office. Maybe you want to take the time after.

From: Brodrick, Amy
Sent: Tuesday, March 19, 2013 2:32 PM
To: Mendiola, Carolina
Subject: FW: Wolf Trahan Visit on April 2

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com

Subject: Wolf Trahan Visit on April 2

Hi Folks,

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I know you're all managing your respective meetings. I suggest we coordinate to see whether it is possible to accommodate Naz's request.

Thank you,

Matthew

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From:	Room 5305 on behalf of Brodrick, Amy
To:	nkhumawala@wolfetrahan.com
Sent:	3/19/2013 3:13:22 PM
Subject:	FW: Naaz meeting reserved for Florio's group
Attachments:	Attachment1

Hi Naz,

This is to confirm your meeting for April 2. Thank you.

-----Original Appointment-----
From: Room 5305
Sent: Tuesday, March 19, 2013 2:50 PM
To: Room 5305; Brodrick, Amy; Tisdale, Matthew
Subject: Naaz meeting reserved for Florio's group
When: Tuesday, April 02, 2013 11:00 AM-12:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: 5305

Name: Attachment1

From: Tisdale, Matthew
To: 'NKhumawala@wolfetrahan.com'
Sent: 3/20/2013 6:12:38 AM
Subject: Re: Wolf Trahan Visit on April 2

The keeper of 5305

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Tuesday, March 19, 2013 02:46 PM Pacific Standard Time
To: Tisdale, Matthew
Subject: FW: Wolf Trahan Visit on April 2

Matt—who's Carolina?

Wolfe Trahan

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
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visit: WolfeTrahan.com

From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Tuesday, March 19, 2013 5:44 PM
To: Tisdale, Matthew; Khumawala, Naaz
Cc: Mendiola, Carolina
Subject: FW: Wolf Trahan Visit on April 2

Hi Matthew,

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California Public Utilities Commission
Phone: (415) 703-2283
Email: ah6@cpuc.ca.gov

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Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

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Thank you,

Matthew

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From: Madrigal, Anna-Marie
To: Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane
CC: nkhumawala@wolfetrahan.com
Sent: 3/21/2013 1:51:44 PM
Subject: RE: Wolf Trahan Visit on April 2

Agenda Review is in 5305 until 3pm. I can reserve it from 3-5, but that depends on others' schedules. Paul's already got a meeting with her scheduled at 3pm.

MATTHEW—
Please advise.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

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I know you're all managing your respective meetings. I suggest we coordinate to see whether it is possible to accommodate Naz's request.

Thank you,

Matthew

From:	Malliett, Valerie
To:	Madrigal, Anna-Marie; Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Banks, Juliane
CC:	nkhumawala@wolfetrahan.com
Sent:	3/21/2013 2:22:37 PM
Subject:	RE: Wolf Trahan Visit on April 2

I have moved our meeting with Wolf Trahan at 1-2pm to 5012 which holds 25 people and is otherwise free on April 2.

Valerie Malliett
Commissioner Sandoval's office
415-703-1721

From: Madrigal, Anna-Marie
Sent: Thursday, March 21, 2013 1:52 PM
To: Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane
Cc: nkhumawala@wolfetrahan.com
Subject: RE: Wolf Trahan Visit on April 2

Agenda Review is in 5305 until 3pm. I can reserve it from 3-5, but that depends on others' schedules.
Paul's already got a meeting with her scheduled at 3pm.

MATTHEW—
Please advise.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

Hi Folks,

I just spoke with Naz Khumawala at Wolfe Trahan. She is bringing in a group of analysts on April 2 to meet with various Commissioners and staff. She expects to have 20 people in her meeting and so requests that, if possible, we use Room 5305 to be sure there is adequate space and to limit the number of moves the large group has to make.

I know you're all managing your respective meetings. I suggest we coordinate to see whether it is possible to accommodate Naz's request.

Thank you,

Matthew

From:	Mosbaugh, Scott
To:	nkhumawala@wolfetrahan.com
Sent:	3/22/2013 11:46:39 AM
Subject:	Meeting request for Commissioner Peterman

Hi Naaz,

The Commissioner sends her regrets that she will not be able to meet with you, but she does request that you meet with her Chief of Staff Julie Fitch instead. If you would like to meet with Julie on 4/2, She's got openings at 10am and 11am.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francsico CA 94102
415-703-4435

From: NKhumawala@wolfetrahan.com
To: scott.mosbaugh@cpuc.ca.gov
Sent: 3/22/2013 11:51:31 AM
Subject: Re: Meeting request for Commissioner Peterman

I have Commissioner Ferron at 10 and Matt Tisdale at 11. We have time at 12pm or 2pm.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Friday, March 22, 2013 02:46 PM
To: Khumawala, Naaz
Subject: Meeting request for Commissioner Peterman

Hi Naaz,

The Commissioner sends her regrets that she will not be able to meet with you, but she does request that you meet with her Chief of Staff Julie Fitch instead. If you would like to meet with Julie on 4/2, She's got openings at 10am and 11am.

Scott Mosbaugh
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415-703-4435

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From: Mosbaugh, Scott
To: NKhumawala@wolfetrahan.com
Sent: 3/22/2013 1:34:17 PM
Subject: RE: Meeting request for Commissioner Peterman

Hi Naz,

12:00 is ok with Julie Fitch. We'll see you at noon on 4/2 then.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francsico CA 94102
415-703-4435

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 22, 2013 11:52 AM
To: Mosbaugh, Scott
Subject: Re: Meeting request for Commissioner Peterman

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From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Friday, March 22, 2013 02:46 PM
To: Khumawala, Naaz
Subject: Meeting request for Commissioner Peterman

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Scott Mosbaugh
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From: NKhumawala@wolfetrahan.com
To: scott.mosbaugh@cpuc.ca.gov
Sent: 3/22/2013 1:46:22 PM
Subject: Re: Meeting request for Commissioner Peterman

Thanks

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Friday, March 22, 2013 04:34 PM
To: Khumawala, Naaz
Subject: RE: Meeting request for Commissioner Peterman

Hi Naz,

12:00 is ok with Julie Fitch. We'll see you at noon on 4/2 then.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francsico CA 94102
415-703-4435

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 22, 2013 11:52 AM
To: Mosbaugh, Scott
Subject: Re: Meeting request for Commissioner Peterman

I have Commissioner Ferron at 10 and Matt Tisdale at 11. We have time at 12pm or 2pm.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Friday, March 22, 2013 02:46 PM
To: Khumawala, Naaz
Subject: Meeting request for Commissioner Peterman

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Scott Mosbaugh
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From: Khumawala, Naaz
To: Mosbaugh, Scott
Sent: 3/27/2013 10:27:55 AM
Subject: RE: Meeting request for Commissioner Peterman

Scott,

Here's the attendee list for the meeting on Tuesday.

Phil Sundell	American Century
Tom Bevan	Capital Group
Shin Fukuda	Carlson
Marc De Croisset	CBRE Clarion
Scott Senchak	Decade
John Kohli	Franklin
Jeff Chrzanowski	George Weiss
Eric Fogarty	Goldman Sachs Asset Management
Matt Elias	Green Arrow
Neil Stein	Levin
James Heckler	Luminus
Claud Davis	MFS
Millennium	Chris Shelton
Jesse Laudon	Nexus Asset
Matt Fallon	Talon
Reena Bajwa	UBS Global Asset
Peter Hark	Zimmer
Steve Fleishman	Wolfe Trahan
Naaz Khumawala	Wolfe Trahan

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Friday, March 22, 2013 4:34 PM
To: Khumawala, Naaz
Subject: RE: Meeting request for Commissioner Peterman

Hi Naz,

12:00 is ok with Julie Fitch. We'll see you at noon on 4/2 then.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francsico CA 94102
415-703-4435

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 22, 2013 11:52 AM
To: Mosbaugh, Scott

Subject: Re: Meeting request for Commissioner Peterman

I have Commissioner Ferron at 10 and Matt Tisdale at 11. We have time at 12pm or 2pm.

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Friday, March 22, 2013 02:46 PM
To: Khumawala, Naaz
Subject: Meeting request for Commissioner Peterman

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Scott Mosbaugh
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From: Khumawala, Naaz
To: Malliett, Valerie
Sent: 3/27/2013 10:28:29 AM
Subject: RE: Wolf Trahan Visit on April 2

Valerie,

Here's the full attendee list for the meeting on Tuesday. Thanks.

Phil Sundell	American Century
Tom Bevan	Capital Group
Shin Fukuda	Carlson
Marc De Croisset	CBRE Clarion
Scott Senchak	Decade
John Kohli	Franklin
Jeff Chrzanowski	George Weiss
Eric Fogarty	Goldman Sachs Asset Management
Matt Elias	Green Arrow
Neil Stein	Levin
James Heckler	Luminus
Claud Davis	MFS
Millennium	Chris Shelton
Jesse Laudon	Nexus Asset
Matt Fallon	Talon
Reena Bajwa	UBS Global Asset
Peter Hark	Zimmer
Steve Fleishman	Wolfe Trahan
Naaz Khumawala	Wolfe Trahan

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Thursday, March 21, 2013 5:23 PM
To: Madrigal, Anna-Marie; Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Banks, Juliane
Cc: Khumawala, Naaz
Subject: RE: Wolf Trahan Visit on April 2

I have moved our meeting with Wolf Trahan at 1-2pm to 5012 which holds 25 people and is otherwise free on April 2.

Valerie Malliett
Commissioner Sandoval's office
415-703-1721

From: Madrigal, Anna-Marie
Sent: Thursday, March 21, 2013 1:52 PM
To: Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane
Cc: nkhumawala@wolfetrahan.com
Subject: RE: Wolf Trahan Visit on April 2

Agenda Review is in 5305 until 3pm. I can reserve it from 3-5, but that depends on others' schedules.
Paul's already got a meeting with her scheduled at 3pm.

MATTHEW—
Please advise.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

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I know you're all managing your respective meetings. I suggest we coordinate to see whether it is possible to accommodate Naz's request.

Thank you,

Matthew

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From: Khumawala, Naaz
To: Banks, Juliane
Sent: 3/27/2013 10:29:12 AM
Subject: RE: Wolf Trahan Visit on April 2

Juliane,

Here's the attendee list for the meeting on Tuesday.

Phil Sundell	American Century
Tom Bevan	Capital Group
Shin Fukuda	Carlson
Marc De Croisset	CBRE Clarion
Scott Senchak	Decade
John Kohli	Franklin
Jeff Chrzanowski	George Weiss
Eric Fogarty	Goldman Sachs Asset Management
Matt Elias	Green Arrow
Neil Stein	Levin
James Heckler	Luminus
Claud Davis	MFS
Millennium	Chris Shelton
Jesse Laudon	Nexus Asset
Matt Fallon	Talon
Reena Bajwa	UBS Global Asset
Peter Hark	Zimmer
Steve Fleishman	Wolfe Trahan
Naaz Khumawala	Wolfe Trahan

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, March 21, 2013 4:52 PM
To: Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane
Cc: Khumawala, Naaz
Subject: RE: Wolf Trahan Visit on April 2

Agenda Review is in 5305 until 3pm. I can reserve it from 3-5, but that depends on others' schedules.
Paul's already got a meeting with her scheduled at 3pm.

MATTHEW—
Please advise.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

Hi Folks,

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Thank you,

Matthew

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From: Banks, Juliane
To: Khumawala, Naaz
Sent: 3/27/2013 2:37:19 PM
Subject: RE: Wolf Trahan Visit on April 2

Thank you Naaz!

From: Khumawala, Naaz [mailto:NKhumawala@wolfetrahan.com]
Sent: Wednesday, March 27, 2013 10:29 AM
To: Banks, Juliane
Subject: RE: Wolf Trahan Visit on April 2

Juliane,

Here's the attendee list for the meeting on Tuesday.

Phil Sundell	American Century
Tom Bevan	Capital Group
Shin Fukuda	Carlson
Marc De Croisset	CBRE Clarion
Scott Senchak	Decade
John Kohli	Franklin
Jeff Chrzanowski	George Weiss
Eric Fogarty	Goldman Sachs Asset Management
Matt Elias	Green Arrow
Neil Stein	Levin
James Heckler	Luminus
Claud Davis	MFS
Millennium	Chris Shelton
Jesse Laudon	Nexus Asset
Matt Fallon	Talon
Reena Bajwa	UBS Global Asset
Peter Hark	Zimmer
Steve Fleishman	Wolfe Trahan
Naaz Khumawala	Wolfe Trahan

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, March 21, 2013 4:52 PM
To: Tisdale, Matthew; Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane
Cc: Khumawala, Naaz
Subject: RE: Wolf Trahan Visit on April 2

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MATTHEW—
Please advise.

Anna-Marie Madrigal

Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.1636
F: 415.703.1356

From: Tisdale, Matthew
Sent: Tuesday, March 19, 2013 1:52 PM
To: Brodrick, Amy; Goldthrite, Cody; Malliett, Valerie; Banks, Juliane; Madrigal, Anna-Marie
Cc: nkhumawala@wolfetrahan.com
Subject: Wolf Trahan Visit on April 2

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Thank you,

Matthew

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From:	Steve Fleishman
To:	mike.florio@cpuc.ca.gov
Sent:	4/1/2013 7:30:57 AM
Subject:	Steve Fleishman hosting meetings at AGA's Financial Forum: May 5-7 in Naples, FL
Attachments:	AGA schedule.xlsx

Please let us know if you woule like to join any of the meetings we are hosting. Thanks.

This is a *capacity-constrained* event, so we will confirm your attendance as soon as possible after we have gauged demand. Please indicate interest to utilities@wolfetrahan.com

Steve Fleishman hosting meetings at AGA's Financial Forum May 5-7 in Naples, Fl.

Event Website: http://www.cvent.com/events/2013-financial-forum/event-summary 710fc91cfe0b48e1b0c50622e68f7afe.aspx

Sunday, May 5	
12:45-1:20pm	SE
1:30-2:15pm	XEL
2:15-2:50pm	ED
3:00-3:35pm	UIL
3:45-4:30pm	TE
4:30-5:15pm	NI

Monday, May 6	
8:15-8:55am	AEE
9:00-9:40am	CNP
9:45-10:20am	POM
11:15-12pm	SRE
2:00-2:35pm	DTE
2:45 -3:30pm	CMS
3:30-4:15pm	NU
4:15-5:00pm	UNS

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Meeting time	Company	Ticker	Room	Management
Sunday, May 5				
12:45-1:20pm	Spectra	SE		
1:30-2:15pm	Xcel Energy	XEL		
2:15-2:50pm	ConEd	ED		
3:00-3:35pm	UIL Holdings	UIL		
3:45-4:30pm	TECO	TE		
4:30-5:15pm	NiSource	NI		
Monday, May 6				
8:15-8:55am	Ameren	AEE		
9:00-9:45am	CenterPoint	CNP		
11:15-12:00pm	Sempra	SRE		
2:00-2:35pm	DTE Energy	DTE		
2:45pm	CMS Energy	CMS		
3:30-4:15pm	Northeast Utilities	NU		
4:15pm	Unisource	UNS		

From: Clanon, Paul on behalf of Mendiola, Carolina
To: nkhumawala@wolfetrahan.com
Sent: 4/2/2013 2:23:31 PM
Subject: FW: In-person meeting w/ Naaz, et al
Attachments: ATT29868 2.jpg; ATT54367 1.jpg; Attachment1

Paul will meet you at 5305 at 2pm.

(Anna Marie is off today).

Carolina Mendiola
Executive Director's Office
Ca Public Utilities Commission
505 Van Ness Avenue,
San Francisco, Ca 94102
Tel: (415) 703-2391

-----Original Appointment-----
From: Madrigal, Anna-Marie **On Behalf Of** Clanon, Paul
Sent: Monday, March 04, 2013 3:16 PM
To: Clanon, Paul; NKhumawala@wolfetrahan.com; Clanon, Paul
Subject: In-person meeting w/ Naaz, et al
When: Tuesday, April 02, 2013 3:00 PM-3:15 PM (UTC-08:00) Pacific Time (US & Canada).
Where: 5305

3/4—Per Naaz'z request, moving 30min earlier. This is the earliest; Agenda Review ends at 3pm. Morning is not open.—am3
3/4 --Ok'd per Paul.—am3

From: NKhumawala@wolfetrahan.com [mailto:NKhumawala@wolfetrahan.com]
Sent: Friday, March 01, 2013 3:45 PM
To: Madrigal, Anna-Marie
Subject: RE: Can we push this back 15min, to 2pm?

Anna-Marie, thanks for getting us a call. Spoke to Paul about this, we'll be in town April 2-3. Can we get on Paul's calendar to meet with him in person? Thanks!

Naaz Khumawala
Utilities & Power
(646) 582-9243
NKhumawala@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

Name: Attachment1

From: Mendiola, Carolina
To: Khumawala, Naaz
Sent: 4/2/2013 2:32:11 PM
Subject: RE: IPAD

Yes at 3pm back to room 5305.
The 2pm was another meeting only set up directors at 5305 for the commission agenda review.

From: Khumawala, Naaz [mailto:NKhumawala@wolfetrahan.com]
Sent: Tuesday, April 02, 2013 2:29 PM
To: Mendiola, Carolina
Subject: Re: IPAD

Our meeting with Paul is at 3pm right? The meeting planner said 2pm.

From: Mendiola, Carolina [mailto:carolina.mendiola@cpuc.ca.gov]
Sent: Tuesday, April 02, 2013 04:28 PM
To: Khumawala, Naaz
Subject: IPAD

SOMEONE left an IPAD at 5305. We have a big meeting at 2pm for the advisors and the directors so we have to clear up the conference room.
I covered your food and clean up the table.
Please claim the IPAD here at the Executive director's office.
Thanks

Carolina Mendiola
Executive Director's Office
Ca Public Utilities Commission
505 Van Ness Avenue,
San Francisco, Ca 94102
Tel: (415) 703-2391

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 4/7/2013 9:32:00 PM
Subject: PCG: Renewed chances of settlement; inflection point in stock

Util

Regulateds
Integrateds - Mar
IPPs - Ma

PG&E Corp (PCG - $46.49 - Outperform)

Renewed chances of settlement; inflection point in stock

Click here to view our complete 10 page note [PDF]

Click here to view our PCG model [XLS]

More constructive following meetings with CPUC and PCG management
Last week we met with various members at the CPUC and PCG management in San Francisco. We believe ther chance of a settlement in San Bruno issues, and a potential delay in the April 26 fine recommendation. The st performed well on this possibility, and we continue to view resolution of the San Bruno issues as an inflection stock. PCG is well positioned for the long-term with above-average rate base growth. Reiterate outperform, ra

Renewed chance for PG&E settlement in San Bruno
Based on our discussions, the CPUC would still prefer a settlement in the SB cases. A settlement can direct rer and safety improvements whereas a fine (levied by the CPUC in litigation) would go to the general fund of CA. may only be with the Safety & Enforcement Division (SED) staff; the fine recommendation expected on April 2 delayed. Changes in SED leadership and the desire to resolve the issues may lead to a settlement. That said, optimistic but far from certain that this will be resolved through a settlement. If not, we continue to expect a f process to be completed by late this year. We believe our $500M penalty assumed in our estimates is reasona

Some flexibility on equity issuance; adjusting estimates
In our discussions, management indicated it is willing to be somewhat flexible in its equity issuances. We cont sizeable equity issuances ($1.5B in 2013, $1B in 2014 and 2015, and $800M in 2016). Near-term the equity one-time costs, penalties and capex. Longer-term the equity is used to fund growth capex. We no longer pay-($350M of parent debt in 2014. Our 2013-2016 estimates are now $2.58/$3.06/$3.22/$3.28 vs $2.58/$3.04/$

Raising Price Target to $48
We value PCG at a P/E of 15x 2015E earnings, in-line with the group. Risks to our outlook are: 1) liability rela Bruno explosion, 2) lower than expected outcomes in rate cases and 3) Any unforeseen changes to California

Read more... [PDF]

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeTrahan.com
Register for our **Power and Gas Deep Dive Conference**
Thursday, April 11th, 2013

If you would like to follow-up with any questions, please email us at Utilities@WolfeTrahan.cc

This email was sent to:
mike.florio@cpuc.ca.gov
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Please visit WolfeTrahan.com for more information.

420 Le

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From: Khumawala, Naaz
To: catherine.sandoval@cpuc.ca.gov; Katague, Ditas
CC: Fleishman, Steve
Sent: 4/9/2013 9:27:37 AM
Subject: Thank you!

Commissioner Sandoval,

Thank you for meeting us last week. We had a productive meeting and we always enjoy seeing you. Look forward to seeing you again soon. And please let us know if you make a trip back to NY, would love to host a meeting with you again!

Thanks again,
Steve and Naaz

Naaz Khumawala
Utilities & Power Research
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646-582-9243
nkhumawala@wolfetrahan.com

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From: Khumawala, Naaz
To: mark.ferron@cpuc.ca.gov
CC: Fleishman, Steve
Sent: 4/9/2013 11:12:39 AM
Subject: Thank you!

Commissioner Ferron,

Thank you for meeting us last week. We had a productive meeting and we always enjoy seeing you. Look forward to seeing you again soon.

We've added your email to our distribution list—you should begin to receive our research. Also, all of the old research is on the website as well.

Your login and username to the website is:

mark.ferron@cpuc.ca.gov
markferron

Thanks again,
Steve and Naaz

Naaz Khumawala
Utilities & Power Research
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646-582-9243
nkhumawala@wolfetrahan.com

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From:	Khumawala, Naaz
To:	Brown, Carol A. (carol.brown@cpuc.ca.gov)
CC:	Fleishman, Steve
Sent:	4/9/2013 11:24:30 AM
Subject:	Thank you!

ALJ Brown,

Thank you for meeting us last week. We had a productive meeting and we always enjoy seeing you. Look forward to seeing you again soon.

Thanks again,
Steve and Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

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From:	Khumawala, Naaz
To:	Tisdale, Matthew <matthew.tisdale@cpuc.ca.gov> (matthew.tisdale@cpuc.ca.gov)
CC:	Fleishman, Steve
Sent:	4/9/2013 11:25:28 AM
Subject:	Thank you!

Matt,

Thank you for meeting us last week. We had a productive meeting. Look forward to seeing you again soon.

Thanks again,
Steve and Naaz

Naaz Khumawala
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646-582-9243
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From: Khumawala, Naaz
To: pac@cpuc.ca.gov
CC: Fleishman, Steve; anna-marie.madrigal@cpuc.ca.gov
Sent: 4/9/2013 11:28:07 AM
Subject: Thank you!

Paul!

Thank you for meeting us last week. We had a productive meeting and we always enjoy seeing you. Look forward to seeing you again soon.

Thanks again,
Steve and Naaz

Naaz Khumawala
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From: Khumawala, Naaz
To: Fitch, Julie A.
CC: Fleishman, Steve
Sent: 4/9/2013 11:30:05 AM
Subject: Thank you!

ALJ Fitch,

Thank you for meeting us last week. We had a productive meeting. Look forward to seeing you again soon.

Thanks again,
Steve and Naaz

Naaz Khumawala
Utilities & Power Research
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646-582-9243
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From: Clanon, Paul
To: Khumawala, Naaz
CC: Fleishman, Steve
Sent: 4/9/2013 11:30:27 AM
Subject: Re: Thank you!

Rock on.

On Apr 9, 2013, at 11:28 AM, "Khumawala, Naaz" <NKhumawala@wolfetrahan.com> wrote:

Paul!

Thank you for meeting us last week. We had a productive meeting and we always enjoy seeing you. Look forward to seeing you again soon.

Thanks again,
Steve and Naaz

Naaz Khumawala
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646-582-9243
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From: Fitch, Julie A.
To: 'Khumawala, Naaz'
CC: Fleishman, Steve
Sent: 4/9/2013 11:38:10 AM
Subject: RE: Thank you!

Thank you. Next time I will try to be a little more prepared for the inquisition! Hope you enjoyed the trip and got some interesting insights.

Best,
Julie

Julie A. Fitch
Interim Chief of Staff to
Commissioner Carla J. Peterman
California Public Utilities Commission
Phone (415) 703-3134

From: Khumawala, Naaz [mailto:NKhumawala@wolfetrahan.com]
Sent: Tuesday, April 09, 2013 11:30 AM
To: Fitch, Julie A.
Cc: Fleishman, Steve
Subject: Thank you!

ALJ Fitch,

Thank you for meeting us last week. We had a productive meeting. Look forward to seeing you again soon.

Thanks again,
Steve and Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
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From:	Sandoval, Catherine J.K.
To:	Khumawala, Naaz
CC:	Sandoval, Catherine J.K.; Katague, Ditas; Fleishman, Steve
Sent:	4/9/2013 10:33:56 PM
Subject:	Re: Thank you!

Naaz and Steve, It was great to see you and the investors. I enjoyed our discussion. We'll do it again soon. Take care, Commissioner Sandoval

Sent from my iPad

On Apr 9, 2013, at 12:27 PM, "Khumawala, Naaz" <NKhumawala@wolfetrahan.com> wrote:

Commissioner Sandoval,

Thank you for meeting us last week. We had a productive meeting and we always enjoy seeing you. Look forward to seeing you again soon. And please let us know if you make a trip back to NY, would love to host a meeting with you again!

Thanks again,
Steve and Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

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From: Fleishman, Steve
To: Clanon, Paul; Khumawala, Naaz
Sent: 4/19/2013 12:00:28 PM
Subject: RE: Checking in

I hate to ask, but let us know if you have time to talk today or next week – thanks Paul - Steve

Description: Wolfe Trahan

Steve Fleishman
Managing Director
(646) 582-9241
sfleishman@WolfeTrahan.com
To see all of our latest updates
visit: WolfeTrahan.com

From: Clanon, Paul [mailto:paul.clanon@cpuc.ca.gov]
Sent: Friday, April 19, 2013 2:08 PM
To: Khumawala, Naaz
Cc: Fleishman, Steve
Subject: Re: Checking in

Thanks!

On Apr 19, 2013, at 10:51 AM, "Khumawala, Naaz" <NKhumawala@wolfetrahan.com> wrote:

Hey Paul—sorry's its been a tough week. Hope everything is calming down. Please let us know if there's anything we can do.

Naaz Khumawala
Utilities & Power Research
Wolfe Trahan
646-582-9243
nkhumawala@wolfetrahan.com

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From: Ed Wolfe
To: mike.florio@cpuc.ca.gov
Sent: 4/29/2013 2:15:47 PM
Subject: Wolfe Research Names Chris Senyek Chief Investment Strategist and Lead Quantitative Analyst; Francois Trahan Departs Firm

Wolfe Research Names Chris Senyek Chief Investm Strategist and Lead Quantitative Analyst; François Trahan Departs Firm

New York, NY – April 29, 2013 – Wolfe Research, LLC announced today that François Trahan has depa pursue other opportunities. "François has been a valued colleague for the past three years and ren Managing Partner Ed Wolfe stated. "We thank him for his contributions and wish him the best for the futur

The firm simultaneously announced that Chris Senyek has been named Chief Investment Strategist and Le Analyst. Mr. Senyek joined Wolfe Research in September 2011 as Managing Director and Senior Anal Accounting & Tax Policy research team. He will continue in that role in addition to his new responsibilit has been ranked the #1 Accounting & Tax Policy Analyst in *Institutional Investor* magazine's All-America for the past four consecutive years.

"Chris has distinguished himself as a gifted analyst whose sharp mind and unyielding standards have ear of his clients and colleagues alike," said Wolfe. "Chris will launch on both Strategy and an expanded Q mid-May. He is well known to the senior decision makers of our client firms and his macro work alre beyond the traditional confines of his current research area. His promotion to these additional positions i and recognizes both the contributions he's already made to our franchise and clientele and those he will b make in his new role."

Mr. Senyek noted, "I am thrilled by the opportunity to branch out from my Accounting and Tax Polic broader macro sectors of Portfolio Strategy and Quant. A great deal of my product already touches these excited to have direct responsibility for them. My team and I have developed Quant screens over the ye such as earnings quality, cash flow returns and dividend policy. These screens lead directly to portfc recommendations which would typically be in the Strategy domain. I am looking forward to launching my framework, which will seek to combine the best of both macro-economic and micro-economic inputs."

"The recent addition to the team of Chip Miller, formerly Small Cap Strategist at UBS, will also augm market strategy and sector weighting products," Senyek commented. Chris and his team will provide b sector views while continuing to publish and refine their well-developed Quant tools.

Mr. Wolfe added that the firm has reverted to its original name, Wolfe Research, and expects to complete over the coming weeks. "Wolfe Research is already recognized as a brand which stands for thorou differentiated research and for its dedication to the superior service of its institutional client base. These hallmarks in both macro and sector research as we continue to expand the firm."

Click here to view full press release on our website

About Wolfe Research, LLC and Wolfe Research Securities

Wolfe Research, LLC was founded in 2008 as a research boutique by former Bear Stearns top-ranked Analyst, Ed Wolfe. The firm has grown to include seven prominent research teams, establishing a rep sector and macro research. Each team was recognized by clients in *Institutional Investor* magazine's 2 Research Poll, in which the firm's weighted rank was #12 overall for U.S. equity research. In February 2 named by Business Insider as one of the top 16 Wall Street firms where employees want to work.

In May 2010, WR Securities, LLC, which formerly operated as Wolfe Trahan Securities, was launched broker dealer. WR Securities intends to change its name to Wolfe Research Securities and acts as a through its trading desk for Wolfe Research in addition to engaging in equity and debt underwriting and c advisory. It provides unbiased advice singularly focused on advancing clients' long term interests. Wolfe and its affiliates currently employ more than 50 full time professionals and continue to actively search for

To learn more about Wolfe Research, LLC or Wolfe Research Securities, please visit www.Wolfe

Business Inquiries:
Peter W. Ryan
President and Head of Institutional Services
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sales@wolferesearch.com
646-845-0710

Media Contact:
Scott Sunshine
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ssunshine@waterandwallgrou
212-699-3672

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 5/2/2013 8:35:38 PM
Subject: PCG: Quiet, but not for long; May 6 key

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PG&E Corporation (PCG - $47.23 - Outperform)

Quiet, but not for long; May 6 key

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Click here to view our PCG model [XLS]

Quiet quarter, but San Bruno fine recommendation approaching
PCG held a relatively quiet earnings call with no new costs or cost increases on San Bruno. Following a stı call with cost increases, we view this positively. On Monday (May 6) intervenors are expected to file fine recommendations in PG&E's San Bruno investigations. We believe the fine recommendation will be substa However, we believe investors will view it as an inflection point in the stock after which the biggest uncer is known and resolution on San Bruno is visible. Reiterate outperform, but stock will be noisy near-term.

Assume $500M in estimates; sensitivity: every $500M fine is ~$0.06/sh
The Safety and Enforcement Staff (SED) and other intervenors will file a recommendation in PCG's San Br investigations. We assume $500M of fines ($300M incremental) in our estimates. That said, these recomr could be higher. The recommendations may be predicated on assuming that PCG is found guilty of each o violations; ultimately we do not expect this to be the case. Every $500M in fine is about $0.06/sh of earni Our 2015 estimate is $3.23/sh. A recommendation of $1B would bring our estimate down to $3.17/sh.

Fine recommendation may trigger reserve, equity
The fine recommendation may trigger PCG taking a bigger reserve for fines/penalties which will likely trig issuance to refill the equity layer. Currently PCG has reserved $200M for the fine. Timing is uncertain as t could come next earnings season. However, one of the side benefits of the multiple expansion in utilities dilution for equity issuers. As PCG has the biggest equity needs in our coverage, it is benefitting from a hi price at which it can issue stock and lower the dilution impact to earnings. We are raising our estimates $ higher share price assumption for equity issuances. Our new 2013-2016 estimates are $2.58, $3.07, $3.2 $3.29/sh. On these estimates, PCG is trading about a 5% discount to the regulated group.

DRA recommendation on 2014 rate case due Friday, May 3rd
In PCG's 2014 electric general rate case, the Division of Ratepayer Advocates (DRA), advocacy Staff, will tomorrow. DRA has historically been very negative on any rate increases and we do not expect this to be As a reminder, final decisions in rate cases tend to be better than what the DRA recommends.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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From: Khumawala, Naaz
To: pac@cpuc.ca.gov; Fleishman, Steve
Sent: 5/6/2013 3:09:28 PM
Subject: CPSD recommendation

Paul! Do you have a rough estimate of what the CPSD allows them to consider spent on PSEP Phase 1. Please??

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 5/7/2013 2:58:46 AM
Subject: PCG: Fine recommendations released for San Bruno

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PG&E Corporation (PCG - $46.50 - Outperform)

Fine recommendations released for San Bruno

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Fine recommendations recommend total fine of $2B+, includes PSEP
CPSD (Safety staff) and other intervenors filed fine/penalties recommendations in the PCG San Bruno investig fine/penalties recommendations in total ranged from $2.25B-$2.5B, but include some of the disallowed costs a by PCG shareholders in the Pipeline Safety Plan (PSEP). We believe the fine recommendation is substantial. H believe investors will view it as an inflection point in the stock after which the biggest uncertainty for PG&E is resolution on San Bruno is visible. Reiterate outperform.

CPSD recommends $2.25B penalty applied to PSEP Phases 1 and 2
CPSD recommends PCG bear $2.25B in costs on the PSEP. The CPSD alleges over 900 violations in aggregate The CPSD has not quantified how much PCG shareholders have already absorbed. We estimate around $1.3B. estimate includes shareholder PSEP costs to date (~$675M), capex write-offs (additional $300M) and PCG's es disallowed costs for the remainder of 2013 and 2014 ($300-$400M). **Thus we estimate the incremental hi be roughly $900M or so pre-tax or $600M after-tax, which is relatively close to our current $500M e**

DRA, TURN, City of San Bruno have bigger fine recommendations
DRA recommends a penalty of $2.5B including a $550M fine. DRA believes PSEP Phase 1 disallowances total $ incremental $1.169B go toward the PSEP Phase 1. TURN recommends a fine of $2.25B, and estimates PSEP di to date of $785M. The City of San Bruno recommends a fine of $1.25B, plus PCG spend an additional $250M c endowments and consortiums.

Timing of equity, reserve uncertain
We are currently not changing our estimates until we have more clarity on expense and timing of the addition PSEP disallowances. Our 2015 estimate is $3.23/sh and includes $500M of total fines. Each additional $500M $0.07/sh. It is not clear to us whether these penalties will be against Phase 1 or Phase 2 or both. A write-off c could trigger additional equity needs for PCG in 2013, above the ~$1.2B it already forecasts.

Next steps: PCG to file reply testimony May 24; can recs go beyond fines?
PCG will file reply testimony on May 24, rebuttal testimony is due June 5. We expect a litigated resolution by Importantly, an issue to watch is whether the CPUC can legally implement remedies and penalties as opposed

Read more... [PDF]

Thanks,

Steve

Wolfe Research

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SFleishman@WolfeResearch.com

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From:	Steve Fleishman
To:	mike.florio@cpuc.ca.gov
Sent:	5/13/2013 12:10:34 PM
Subject:	Wolfe Research Power & Gas Leaders Conference - Save the Date - September 24-25, 2013

Below please find the Save the Date for our 2013 Power & Gas Leaders Conference on Tuesday, September 24 and Wednesday, September 25 in New York.

To add it to your calendar, please click here.

For any questions please contact utilities@wolferesearch.com or Steve Fleishman at 646-582-9241

Suggested Hotel
We have a room block at the Marriott East Side unde Wolfe Research, $409/night

Marriott East Side
525 Lexington Ave, New York, NY 10017
212-755-4000

2013 Power & Gas Leaders Conference

You are cordially invited to attend the Wolfe Research Power & Gas Leaders Conference in New York on Tuesday-Wednesday September 24-25, 2013. The conference provides investor access to the premier companies and key decision makers in the utilities, power and natural gas sectors with a focus on the important themes and investment opportunities.

Highlights from our 2013 conference will include:
- Presentations by management teams representing more than 30 companies
- One-on-one and small group meetings
- Keynote lunch presentations by industry experts

Presenting companies from the following sectors:
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- Natural Gas Utilities and Pipelines
- IPPs

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From: Steve Fleishman
To: mark.ferron@cpuc.ca.gov
Sent: 5/23/2013 9:08:52 PM
Subject: Reminder: Utilities & Power PJM Takeaways Conference Call Invitation - Tuesday, May 28th at 10:30am ET

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Wolfe Research Conference Call:

PJM Auction Takeaways

Hosted by Steve Fleishman
Senior Utilities Analyst

Tuesday, May 28 at 10:30 a.m. ET

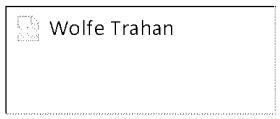
DIAL IN INFORMATION
US/Canada: 888-267-2845
International: +1 973-413-6102
Conference ID: 490559

Click here to add to calendar

Key Topics on the Call will Include:
Outcome of auction and impact on companies
Broader implications for power generation sector

Thanks,

Steve



Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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From: Steve Fleishman
To: mark.ferron@cpuc.ca.gov
Sent: 5/28/2013 10:58:28 AM
Subject: Utilities & Power PJM Takeaways Conference Call - Replay Now Available

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Wolfe Research Conference Call Replay:

PJM Auction Takeaways

Hosted by Steve Fleishman
Senior Utilities Analyst

Tuesday, May 28th, 2013

Click Here for Replay

Click here to view our complete note [PDF]

Click here to download our Cost of New Entry model [XLS]

Key Topics on the Call Include:
Outcome of auction and impact on companies
Broader implications for power generation sector

Thanks,

Steve

Wolfe Trahan

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 6/5/2013 7:00:35 PM
Subject: PCG: San Bruno Developments

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PG&E Corp (PCG - $44.02 - Outperform)

San Bruno Developments

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San Bruno updates continue; resolution ultimate goal
Earlier this evening the City of San Bruno released a press release stating that four lawyers that were working Bruno case for the CPUC have been reassigned to other cases. We believe this press release highlights how se Bruno process remains. We are not sure what impact this reassignment will ultimately have. That said, there to be a slowdown in the process of the cases as the CPSD filed its reply brief on the San Bruno penalties today pushes for the penalty to be toward safety spending and pipeline improvements, potentially including rights of continue to view the $2.25B fine recommendation as substantial. However, we believe investors will view resc Bruno as constructive. Reiterate outperform.

Continued changes at CPUC; San Bruno remains very political
A press release put out by the City of San Bruno states that four lawyers at the CPUC that had been working Bruno case for the past three years have recently all been reassigned to other cases. It is unclear why these l reassigned though the City of San Bruno believes this is concerning and should be investigated. We believe th highlights the ongoing scrutiny on the CPUC since the San Bruno incident and how every aspect is politicized. wary of negative headline risk.

CPSD files reply briefs on fines and remediations for San Bruno
The CPSD filed its reply brief on its penalty recommendations. Reply briefs for the San Bruno penalties are du we can expect the other intervenors to file in the next few days. In the filing, Gen. Hagan, director of the CPS against many of PG&E's assertions saying that the penalty is not excessive, and that the penalty funds be use gas system more safe. Moreover, CPSD supports a flexible apportionment of the penalty (towards Phase I or P PSEP) or towards the Gas Accord V. CPSD also supports penalties be applied toward gas pipeline right-of-way is estimated around $500M by PG&E. Finally the CPSD states that according to the Overland report, penalizing $2.25B could impact the financial health of the utility and jeopardize safety.

Estimates unchanged for now
We are currently not changing our estimates until we have more clarity on expense and timing of the addition PSEP disallowances. Our 2015 estimate is $3.23/sh and includes $500M of total fines. Each additional $500M $0.07/sh. It is not clear to us whether these penalties will be against Phase 1 or Phase 2 or both. A write-off c could trigger additional equity needs for PCG in 2013, above the ~$1.2B it already forecasts.

Read more... [PDF]

Thanks,

Steve

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Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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From: Khumawala, Naaz
To: pac@cpuc.ca.gov
CC: Fleishman, Steve
Sent: 7/9/2013 8:55:39 AM
Subject: Couple of quick questions

Hey Paul,

Sorry to bug you.

Wanted to get a sense if the CPSD reply brief re-filing is substantive or more just procedural. Happy to talk on the phone or on email, whatever is easier for you.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: pac@cpuc.ca.gov
Sent: 7/9/2013 5:26:19 PM
Subject: Questions

Paul! Please call if you can.

Naaz Khumawala
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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 7/9/2013 7:32:05 PM
Subject: PCG: San Bruno: Not easy, not over

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PG&E Corp (PCG - $45.37 - Outperform)

San Bruno: Not easy, not over

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CPSD asks to re-file reply testimony on San Bruno penalty cases; concerning
Yesterday, the CPSD (Consumer Protection and Safety Division ((enforcement Staff) filed a motion to file an a brief in the penalty cases for San Bruno. CPSD says that due to the multiple lawyer and staff changes on its e correct certain inaccuracies in statements in its briefs. As a reminder, CPSD originally filed its reply briefs on J and pushed for the penalty to be toward safety spending and pipeline improvements, potentially including righ spend. It is not clear what the new reply testimony (due July 15) will include. We find the recent development are watchful to see how it impacts recommendations and the schedule.

Bracketing a best case and a worst case
The CPSD's new reply testimony could keep its original recommendations the same, but write a more fulsome correct technical language—we would view this positively. Conversely, the CPSD could change its entire recor move towards a $2.25B fine that does not give PCG any credit for past expenditures towards safety. We believ briefs will be somewhere in between. Last week the City of San Bruno filed a motion to strike "credits" from th that the CPSD proposal is wholly unsupported by evidence and violates due process. In its request to file an ar brief, the CPSD mentions that it will make some of the City of San Bruno motion moot.

CPSD likely to keep view that penalty go to safety spend, in our view
We believe the CPSD and the CPUC would prefer that penalties for San Bruno go towards safety spend and im pipeline system. However, it is not clear if the City of San Bruno will be successful in getting the concept of "c PCG spend stricken in the record. We believe PCG should be allowed to count safety improvements towards th note that in the hearings on the Overland report, the penalty number recommended ($2.25B) was supposed t all-inclusive.

Could delay timeline for ALJ decision and resolution
Ultimately, we believe the amended CPSD reply brief raises uncertainty not only on the ultimate penalty reco also on timing of a decision, which has dragged on for awhile. An ALJ decision is due 60 days after reply briefs possible that the clock could start again if the CPSD amends its reply briefs. That said, we believe the CPUC is a decision in the San Bruno case and could stick to the original 8/7 timeline for an ALJ decision. Next steps ne to the CPSD motion due 7/10. ALJ ruling due 7/12. CPSD amended reply filed 7/15. ALJ ruling on City of San 7/16.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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From: Steve Fleishman
To: mark.ferron@cpuc.ca.gov
Sent: 7/17/2013 3:51:15 AM
Subject: PCG: San Bruno recommendation much worse; seems extreme

Util

Regulateds
Integrateds - Mar
IPPs - Ma

PG&E Corp (PCG - $46.37 - Outperform)

San Bruno recommendation much worse; seems extreme

Click here to view our complete note [PDF]

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CPSD amendments add another $600M hit to shareholders plus lost rate base
With its lawyers back in the driver seat, the California Public Safety Division staff issued a meaningfully worse recommendation on PCG's San Bruno fines/penalties than its initial recommendation. Even though the $2.25I is the same, the new CPSD take is much more prescriptive and allows very little credit for costs that shareholc already absorbed. The CPSD would force shareholders to cover $1.515B of PSEP 1 and 2 pipeline investment expected to be put in rate base. This $900m after-tax expense together with a new $300M fine would increas shareholder hit to $1.2B after-tax versus the $600m or less we estimated in CPSD's initial testimony.

2015E drops to $2.99 from $3.23 on more equity and lower rate base
We are lowering our 2015E to $2.99 from $3.23 reflecting this new recommendation. This estimate cut reflect of equity issuance (as we now expense $1.4B in capex) as well as lost earnings from about $1.4B of PSEP capi no longer be recovered in rate base. Earnings growth from rate base growth in 2016 is largely offset by diluti already assumed an incremental $300M fine ($500M total) in our estimates.

Stock rally seemed misplaced
PCG stock rallied after the news came out in late trading. From our discussions, investors seemed to think the was the $300m fine and that the amendments were less burdensome than feared. We believe the combinatio the large loss of PSEP rate base and the lack of any credit for the billions that shareholders have already abso disappointing and expect some negative reaction as this sinks in.

CPSD seems extreme for final outcome; ALJ next and then PUC order
We maintain our Outperform rating as we see limited downside if the CPSD recommendation holds and believe chance for some improvement in the ALJ and final order given how extreme the CPSD view is. We note shareh already incurred $1.4B pre-tax, and these additional fines would increase total shareholder spend to over $3B potentially another $700M or so to come for rights of way spend, etc). At the current average P/E of 15x 201 downside of about $1 to $45 if the CPSD views becomes final. An ALJ decision should come at the latest by mi with a final order in October. Removal of San Bruno overhang is a key turning point for PCG stock and we wa long as the 2015 starting point is not too low. We are lowering our price target to $48 from $51 on our targe multiple of 16x 2015.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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From: utilities@wolferesearch.com
To: mike.florio@cpuc.ca.gov
Sent: 8/1/2013 4:23:19 AM
Subject: PCG: San Bruno resolution pushed out again

Util

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IPPs - Ma

PG&E Corp (PCG- $45.89 - Outperform)

San Bruno resolution pushed out again

Click here to view our complete note [PDF]

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ALJ seeks more info on San Bruno penalty; more penalty
On 7/30, the CPUC ALJ asked for comments from PCG and parties related to financing, taxes and accounting o fines/penalties. The comments and replies are not due until 9/13 and 9/23, respectively. This implies an ALJ p will not be issued until at least October/November and a final order around year end, with some risk the proce early 2014.

PCG argues recommendations are excessive and have lost all perspective
On its earnings call, PCG management voiced their displeasure with the large penalties/fines in the CPSD reco their view, all the focus of CPSD and the ALJ questions seem to focus on how much PCG shareholders could af opposed to what penalties are deserved. Also, there seems to be little recognition for the $2B shareholders ha absorbed as well as the changes in management and operations that have occurred. On a separate note, PCG the San Bruno criminal investigation activity has heated up.

Earnings, financing, right of way spend all on track; positive news on transmission
Aside the negative San Bruno tone, the rest of the news was good. Q2 was a beat at $0.79 vs consensus of $0 guidance was affirmed. The $500m right of way clearance estimate is still in line and there were no new write issued $575m of new equity YTD, about half its annual target. Finally, PCG filed a new transmission rate case ROE, well above the last allowed of 9.1%, and could put this in place by October benefitting transmission earn

Delays disappointing, but still a good value
The San Bruno case continues to move further into extra innings. However, PCG is trading at a discount to the our 2015E of $3.00 which assumes the new CPSD recommendation is approved. We remain hopeful that this i position and that the final PUC order will be more balanced. We reiterate our Outperform rating and $48 PT.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeResearch.(

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 8/20/2013 9:08:35 PM
Subject: PCG: Throwing in the towel; downgrade to Peer Perform

Util

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PG&E Corporation (PCG - $42.77 - Peer Perform)

Throwing in the towel; downgrade to Peer Perform

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Click here to view our PCG model [XLS]

Risk/reward not worth waiting for San Bruno order
A number of recent developments make us concerned that the final San Bruno outcome is more likely to be or end of the spectrum for shareholders. It is possible that the CPUC surprises to the upside in a final order, but huge political pressure. PCG stock is trading at an average utility multiple on our 2015E of $2.99, which assu staff recommendation is adopted. We think the stock is fairly valued at this level given a lack of conviction th be much better and the need for large amounts of equity without regulatory support and at a time when rates utility stocks are under pressure. Our new price target is $45 from $48.

What's new that worries us - are the tax benefits lost too?
While we thought the CPSD staff rec was extreme, the ALJ questions that came a few weeks after seemed to i more issues, including a question of whether tax benefits from the billions of unrecovered costs should be pass customers. PCG will respond to the ALJ today, but in our discussions PCG indicated it has been saying all alon fully clear that a penalty recommendation will be considered tax deductible by the IRS. We had not thought t question, but could possibly make the CPSD and other recommendations even worse than we assumed.

Calendar delayed with risk of more negative surprises
The ALJ filing made us more concerned that they could be just as bad as or worse than CPSD. Additionally, th delayed the process to the point that a final order is now likely at the end of 2013 at best and possibly into 20 meantime, PCG highlighted the ongoing criminal investigation on their Q2 call and the CA statute of limitation September, which means a decision on criminal charges is likely coming soon with implications hard to predict cause filed by the PUC on PCG related to pipeline testing data changes indicates a continued high pressure en

Still like rest of PCG, but San Bruno overwhelms all
Outside of SB we see constructive fundamentals, with strong rate base growth and favorable CA regulation. Bu lack of certainty, both on timing of resolution and magnitude, make PCG tough to own. In addition, PCG is cur dealing with an electric rate case and will file a gas rate case next year. We expect a reasonable outcome, but overhang. Our $45 PT is based on 15x P/E for 2015E earnings. Our 2013-2016 estimates are unchanged at $2 $2.99 and $3.06 per share. We assume the CPSD rec in our estimates ($300M incremental fine, $1.5B disallo

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeResearch.

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From: Steve Fleishman
To: mark.ferron@cpuc.ca.gov
Sent: 8/21/2013 8:27:46 PM
Subject: PCG: PCG files reply testimony, tax responses; no surprises

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PG&E Corporation (PCG - $42.04 - Peer Perform)

PCG files reply testimony, tax responses; no surprises

Click here to view our complete note [PDF]

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PCG files reply testimony to CPSD rec; answers ALJ tax questions
As we highlighted in our downgrade note, PCG filed reply testimony to the CPSD rec and submitted responses questions on taxes. Overall neither filing came as a surprise. PCG views the CPSD rec as extreme and points c proposed fine is well above anything in CA history and well above any penalty levied in a natural gas pipeline tax filing PCG indicates that depending on the IRS treatment, the disallowed capital expense may or may not l deductible. PCG also indicates that it will have very large equity issuance through 2016, which is consistent w forecasts. We continue to believe PCG stock will trade sideways until clarity is reached on a reasonable and ra resolution. We believe there is a decent likelihood San Bruno penalty cases drag into 2014.

PCG reply testimony says CPSD rec is extreme; total costs could exceed $4B
PCG's reply brief sets forth a number of arguments. PCG says that if the CPSD believes that the only valid pen to the California General Fund, then the only penalty that is valid is the $300M fine, and the rest ($1.5B of ac is not valid. PCG also says that the Overland report is flawed, using PCG's P/B and dividend payout ratio as a much additional equity PCG can issue. PCG again lays out that using a $2.25B penalty would take the total PG costs to more than $4B. Finally PCG contends that this violates the excessive fines clause of the California cor well above any other penalty ever imposed for a natural gas pipeline accident. Overall, this is similar to the st filed after the CPSD rec came out.

Tax treatment unclear; very large equity steady through 2016
PCG's response to the tax questions addressed some forward looking financing possibilities. PCG says it will be "$1B-$1.2B of equity in 2013 and very large additional equity issuances each year through 2016." We forecas equity in 2013 (including CPSD recommendation for fines and penalties), $1.4B in 2014, $1.2B in 2015 and $ PCG also said that it will file to expense some disallowed capital and non-capital items, but it ultimately may n if it falls under the definition of a penalty at the IRS. The company also says that the penalties will raise its co capital—both debt and equity, and could lead to credit downgrades.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

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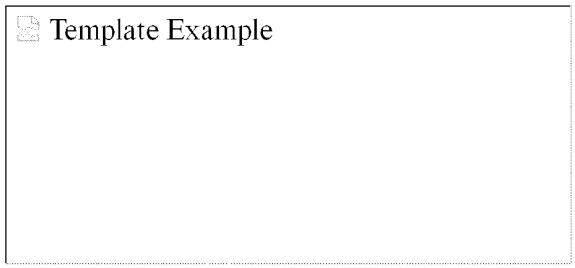
From: utilities@wolferesearch.com
To: mark.ferron@cpuc.ca.gov
Sent: 8/27/2013 11:00:17 AM
Subject: RSVP - Wolfe Research Power & Gas Leaders Conference - September 24 & 25, 2013



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Updated Agenda Available!

Wolfe Research
2013 Power & Gas Leaders Conference

Tuesday, September 24 & Wednesday, September 25

The Marriott East Side Hotel, New York City

***Please note that the deadline to reserve a room in the discounted Wolfe Research block at the Marriott is **Monday, September 2** (Labor Day). Please call the hotel directly at 212.755.4000 and mention the Wolfe conference.

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Our Conference will feature a panel format with plenty of time for Q&A and participation.

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Subject: RSVP - Wolfe Research Power & Gas Leaders Conference - September 24 & 25, 2013

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2013 Power & Gas Leaders Conference

Tuesday, September 24 & Wednesday, September 25

The Marriott East Side Hotel, New York City

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From: Khumawala, Naaz
To: bnk@cpuc.ca.gov; je3@cpuc.ca.gov
Sent: 9/4/2013 3:15:51 PM
Subject: Meeting request with Commissioner Ferron: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Ferron. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Banks, Juliane
To: Khumawala, Naaz
Sent: 9/4/2013 3:17:12 PM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

The request wasn't attached.

Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:16 PM
To: Banks, Juliane; Emelo, Josephine
Subject: Meeting request with Commissioner Ferron: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Ferron. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
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nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: Banks, Juliane
Sent: 9/4/2013 3:18:05 PM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013
Attachments: Ferron Meeting Request.doc

I'm so sorry—thanks for catching that!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, September 04, 2013 6:17 PM
To: Khumawala, Naaz
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

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Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:16 PM
To: Banks, Juliane; Emelo, Josephine
Subject: Meeting request with Commissioner Ferron: October 1, 2013

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Thanks!

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
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- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

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3. Docket or Proceeding # (if applicable) and case name: n/a	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 10/1/2013	**X In Person ☐ By phone**
Proposed staff: X Comr. Ferron* ☐Charlotte TerKeurst XMichael Colvin XSara Kamins ☐Charlyn Hook	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	
6. Industry: X Energy ☐ Telecom ☐ Transportation ☐ Water X General	
7a. Proceeding category: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** X No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes X No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Steve Fleishman	Wolfe Research	Equity Analyst
Naaz Khumawala	Wolfe Research	Equity Analyst

10. List your contact information:		
Contact name: Naaz Khumawala		**E-mail: nkhumawala@wolferesearch.com**
Office phone: 646-582-9243	**Cell:**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

*If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.

** Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.*

From: Banks, Juliane
To: Khumawala, Naaz
Sent: 9/4/2013 3:18:49 PM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

No worries, I've made that mistake several times myself! J

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:18 PM
To: Banks, Juliane
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

I'm so sorry—thanks for catching that!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, September 04, 2013 6:17 PM
To: Khumawala, Naaz
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

The request wasn't attached.

Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:16 PM
To: Banks, Juliane; Emelo, Josephine
Subject: Meeting request with Commissioner Ferron: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Ferron. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From:	Khumawala, Naaz
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Sent:	9/4/2013 3:21:13 PM
Subject:	Meeting request with Commissioner Florio: October 1, 2013
Attachments:	Florio Meeting Request.doc

Hi,

Attached please find a meeting request for Commissioner Florio. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 9/4/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Research
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research Naaz Khumawala, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 10/1/2013
Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Khumawala, Naaz
To:	scott.mosbaugh@cpuc.ca.gov
CC:	julie.fitch@cpuc.ca.gov
Sent:	9/4/2013 3:25:32 PM
Subject:	Meeting request with Commissioner Peterman: October 1, 2013
Attachments:	Peterman Meeting Request.doc

Hi,

Attached please find a meeting request for Commissioner Peterman. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: 9/4/13
Person (and entity) requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Research
Docket # and Short Name:
Reason for the meeting: Meet Commissioner Peterman, discuss California regulatory environment, safety issues and renewable standards
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? Yes ( ) No (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? Yes ( ) No (X) *If yes, Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman.*
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research Naaz Khumawala, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 10/1/2013 In Person (X) By phone ( )
Contact name, phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolferesearch.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Email meeting request to Scott Mosbaugh: scott.mosbaugh@cpuc.ca.gov
Please cc Julie Fitch: julie.fitch@cpuc.ca.gov

From:	Khumawala, Naaz
To:	sandovalrequest@cpuc.ca.gov
Sent:	9/4/2013 3:28:35 PM
Subject:	Meeting request with Commissioner Sandoval: October 1, 2013
Attachments:	Sandoval Meeting Request.doc

Hi,

Attached please find a meeting request for Commissioner Sandoval. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 9/4/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Research
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Meeting Attendees (name, title, company): Steve Fleishman, Equity Analyst, Wolfe Research Naaz Khumawala, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 10/1/2013
Contact name, phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolferesearch.com,

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From: Khumawala, Naaz
To: am3@cpuc.ca.gov
Sent: 9/4/2013 4:41:16 PM
Subject: Meeting request for Paul

Hey Ana Marie! We're in town October 1 to meet with commissioners and our favorite executive director at the CPUC. Can you see if Paul has any availability please, please, please?

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Rothchild, Ann Christina
To: Khumawala, Naaz
CC: Katague, Ditas; Malliett, Valerie
Sent: 9/4/2013 5:57:28 PM
Subject: RE: Meeting request with Commissioner Sandoval: October 1, 2013

Hello Ms. Khumawala,

The Comr. will be unable to accept this meeting request at this time.

We are hopeful that the Comr. might be able to consider such a meeting later this year, so I would like to invite you to resubmit - at some point during the 4th quarter of this year - your application for the meeting.

Thank you for understanding.

Ann Christina Rothchild
Administrative Assistant to Comr. Sandoval
Office of Commissioner Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-2593

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:29 PM
To: SandovalRequest
Subject: Meeting request with Commissioner Sandoval: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Sandoval. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: Katague, Ditas (ditas.katague@cpuc.ca.gov)
Sent: 9/4/2013 5:59:07 PM
Subject: FW: Meeting request with Commissioner Sandoval: October 1, 2013

Hi Ditas—no availability in Commissioner Sandoval's schedule at all?

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Rothchild, Ann Christina [mailto:annchristina.rothchild@cpuc.ca.gov]
Sent: Wednesday, September 04, 2013 8:57 PM
To: Khumawala, Naaz
Cc: Katague, Ditas; Malliett, Valerie
Subject: RE: Meeting request with Commissioner Sandoval: October 1, 2013

Hello Ms. Khumawala,

The Comr. will be unable to accept this meeting request at this time.

We are hopeful that the Comr. might be able to consider such a meeting later this year, so I would like to invite you to resubmit - at some point during the 4th quarter of this year - your application for the meeting.

Thank you for understanding.

Ann Christina Rothchild
Administrative Assistant to Comr. Sandoval
Office of Commissioner Sandoval
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-2593

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:29 PM
To: SandovalRequest
Subject: Meeting request with Commissioner Sandoval: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Sandoval. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243

nkhumawala@wolferesearch.com

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From:	Peterson, Rachel A. on behalf of Brodrick, Amy
To:	Peterson, Rachel A.; Poirier, Marcelo; nkhumawala@wolfeResearch.com
Sent:	9/5/2013 3:31:40 PM
Subject:	Naaz Khumawala (Equity analyst), Wolfe Research - Discuss California regulatory environment, safety issues and renewable standards
Attachments:	Attachment1; Florio Meeting Request.doc

Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,

Attendees (name, title, company) Attach additional sheet if necessary:
Steve Fleishman, Equity Analyst, Wolfe Research
Naaz Khumawala, Equity Analyst, Wolfe Research

Name: Attachment1

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 9/4/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Research
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research Naaz Khumawala, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 10/1/2013
Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Brodrick, Amy
To: nkhumawala@wolfeResearch.com
Sent: 9/6/2013 11:00:10 AM
Subject: MeetingConfirmation

re: California regulatory environment, safety issues and renewable standards

State of California

Memorandum

Date: September 6, 2013

To: **Naaz Khumawala**

From: **Amy Brodrick**
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re:

Meeting Request Dated: September 4, 2013

This will confirm that your meeting request for the above date has been set for **(October 1, 2013), (1:00 p.m.) (Room 5209)** with **(Rachel Peterson, Marcelo Poirier).**

Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. original Meeting Request Form,
please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Tl and we look forward to seeing you at the PUC.

From: Banks, Juliane
To: Khumawala, Naaz
Sent: 9/10/2013 10:10:02 AM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

Would 11am on 10/1 work for you?

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:18 PM
To: Banks, Juliane
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

I'm so sorry—thanks for catching that!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, September 04, 2013 6:17 PM
To: Khumawala, Naaz
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

The request wasn't attached.

Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:16 PM
To: Banks, Juliane; Emelo, Josephine
Subject: Meeting request with Commissioner Ferron: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Ferron. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: juliane.banks@cpuc.ca.gov
Sent: 9/10/2013 10:12:05 AM
Subject: Re: Meeting request with Commissioner Ferron: October 1, 2013

Hey Juliane--I was going to call you later today. We've had a schedule conflict--any way Commissioner Ferron can meet us on 10/2? Very sorry for the change.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 10, 2013 01:10 PM
To: Khumawala, Naaz
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

Would 11am on 10/1 work for you?

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:18 PM
To: Banks, Juliane
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

I'm so sorry—thanks for catching that!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, September 04, 2013 6:17 PM
To: Khumawala, Naaz
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

Hi Naaz,

The request wasn't attached.

Thanks,
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From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:16 PM
To: Banks, Juliane; Emelo, Josephine
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From: Banks, Juliane
To: Khumawala, Naaz
Sent: 9/10/2013 10:47:56 AM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

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Sent: Tuesday, September 10, 2013 10:12 AM
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From: Khumawala, Naaz
To: juliane.banks@cpuc.ca.gov
Sent: 9/10/2013 10:57:45 AM
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To: Khumawala, Naaz
Sent: 9/10/2013 12:12:32 PM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

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From:	Ferron, Mark J. on behalf of Banks, Juliane
To:	Kamins, Sara M.; Khumawala, Naaz (NKhumawala@wolferesearch.com)
Sent:	9/10/2013 4:53:26 PM
Subject:	Wolfe Research Mtg to discuss CA Regulatory Environmnet, Safety Issues & Renewable Standards
Attachments:	Attachment1

BNK 9/10/13

Contact person: **Naaz Khumawala 646-582-9243**

1. Person (and company) requesting meeting: Naaz Khumawala (Equity Analyst), Wolfe Research **Today's Date**: 9/4/13

2. Reason for meeting (subject, topic, issues): Discuss California regulatory environment, safety issues and renewable standards

3. Docket or Proceeding # (if applicable) and case name: n/a

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): 10/1/2013 **X In Person** **By phone**

Proposed staff: X Comr. Ferron* **Charlotte TerKeurst** **XMichael Colvin** **XSara Kamins** **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: X Energy **Telecom** **Transportation** **Water** **X General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** X No

7c. Is this an adjudicatory, complaint or enforcement case? Yes X No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes X No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Steve Fleishman	Wolfe Research	Equity Analyst
Naaz Khumawala	Wolfe Research	Equity Analyst

10. List your contact information:

Contact name: Naaz Khumawala **E-mail: nkhumawala@wolferesearch.com**

Office phone: 646-582-9243 **Cell:** **Fax No.:**

Name: Attachment1

From: Banks, Juliane
To: Khumawala, Naaz
Sent: 9/10/2013 4:55:51 PM
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

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From: Khumawala, Naaz
To: juliane.banks@cpuc.ca.gov
Sent: 9/10/2013 5:17:40 PM
Subject: Re: Meeting request with Commissioner Ferron: October 1, 2013

Yup, this is perfect. Thanks!

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 10, 2013 07:55 PM
To: Khumawala, Naaz
Subject: RE: Meeting request with Commissioner Ferron: October 1, 2013

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Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 04, 2013 3:16 PM
To: Banks, Juliane; Emelo, Josephine
Subject: Meeting request with Commissioner Ferron: October 1, 2013

Hi,

Attached please find a meeting request for Commissioner Ferron. Please let me know if you have any questions or need anything else.

Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

The information contained in this e-mail is intended for the exclusive use of the addressee(s) and may contain confidential or privileged information. Any review, use,

disclosure, distribution or copying of this transmittal is prohibited except by or on behalf of the intended recipient. The contents of this e-mail, including any attachments, is to be used solely for informational purposes, and should not be regarded as an offer, or a solicitation of an offer to buy or sell a security, financial instrument or service discussed herein. Opinions in this communication constitute the current judgment of the author as of the date and time of this e-mail and are subject to change without notice. Information herein is believed to be reliable but Wolfe Research, LLC and its affiliates, including but not limited to WR Securities, LLC doing business as Wolfe Research Securities, makes no representation that it is complete or accurate. Recipients are encouraged to seek financial advice from their financial advisor regarding the appropriateness of investing in a security or financial instrument referred to in this e-mail and should understand that statements regarding the future performance of the financial instruments or the securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Research and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Research, LLC, please see http://www.WolfeResearch.com/Disclosures.

From:	Peterson, Rachel A. on behalf of Brodrick, Amy
To:	Poirier, Marcelo; 'nkhumawala@wolfeResearch.com'
Sent:	9/11/2013 2:26:50 PM
Subject:	Naaz Khumawala (Equity analyst), Wolfe Research - Discuss California regulatory environment, safety issues and renewable standards
Attachments:	Attachment1; Florio Meeting Request.doc

Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,

Attendees (name, title, company) Attach additional sheet if necessary:
Steve Fleishman, Equity Analyst, Wolfe Research
Naaz Khumawala, Equity Analyst, Wolfe Research

Name: Attachment1

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 9/4/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Research
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research Naaz Khumawala, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 10/1/2013
Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Khumawala, Naaz
To: Katague, Ditas (ditas.katague@cpuc.ca.gov)
Sent: 9/11/2013 2:32:10 PM
Subject: Meeting request for 10/2

Ditas,

Great speaking to you—as mentioned we're in town from NY on Wednesday, October 2nd. If the Commissioner has any time at all and would be willing to do a quick meeting we would really appreciate it. Understand that you guys are swamped.

Thanks so much.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Brodrick, Amy
To: nkhumawala@wolfeResearch.com
Sent: 9/11/2013 2:34:42 PM
Subject: UPDATED MeetingConfirmation

State of California

Memorandum

Date: September 11, 2013

To: **Naaz Khumawala**

From: **Amy Brodrick**
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re:

UPDATED Meeting Request Dated: September 9, 2013

This will confirm that your telephone meeting request for the above date has been set for **(October 2, 2013), (1:00 p.m.) (Room 5209)** with **(Rachel Peterson , Marcelo Poirier).**

Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. original Meeting Request Form,
please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Tl and we look forward to seeing you at the PUC.

From: Khumawala, Naaz
To: akp@cpuc.ca.gov
Sent: 9/11/2013 3:00:18 PM
Subject: Meeting request with General Hagan for 10/2

Hi,

We are equity research analysts at Wolfe Research, and we follow the California Regulatory environment as it pertains to the utilities and merchant generation companies that do business in California.

Topics of interest include:

- safety standards
- renewable standards
- policies around penalties

We are requesting to meet with General Hagan on October 2nd. We are also meeting with Commissioner Peterman and Ferron, as well as advisors for Commissioners Florio and Sandoval. Our final list of attendees is not confirmed yet, but attendees as of now are the following:

Steve Fleishman, Equity Analyst, Wolfe Research
Naaz Khumawala, Equity Analyst, Wolfe Research
John Kohli, Franklin Advisors
Blair Schmicker, Franklin Advisors
Tom O'Neill, Green Arrow funds

Please let me know if you need more information or anything else.

Thanks.

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From:	Pete, Aaron
To:	Khumawala, Naaz
CC:	Malashenko, Elizaveta I.
Sent:	9/11/2013 3:06:42 PM
Subject:	RE: Meeting request with General Hagan for 10/2

Hi Naaz, can you send me bios on the attendees and any other information about your company? Do you have a web site we can look at?

Thank you,
Aaron K. Pete
Executive Assistant to the Director
Brigadier General (CA) Emory J. Hagan, III
Safety and Enforcement Division
California Public Utilities Commission
Phone (415) 703-2179
Fax (415) 703-3533
AKP@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:00 PM
To: Pete, Aaron
Subject: Meeting request with General Hagan for 10/2

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- policies around penalties

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Please let me know if you need more information or anything else.

Thanks.

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From:	Khumawala, Naaz
To:	Pete, Aaron
CC:	Malashenko, Elizaveta I.
Sent:	9/11/2013 3:09:00 PM
Subject:	RE: Meeting request with General Hagan for 10/2

Sure, here is the website.

http://wolferesearch.com/

Bio can be found here: http://wolferesearch.com/steven-i-fleishman/

We also know Paul Clanon and Ana Marie well, they can vouch for us. We have met with Paul a number of times.

Thanks!

Naaz Khumawala
646-582-9243

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 5:07 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

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Thank you,
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Executive Assistant to the Director
Brigadier General (CA) Emory J. Hagan, III
Safety and Enforcement Division
California Public Utilities Commission
Phone (415) 703-2179
Fax (415) 703-3533
AKP@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:00 PM
To: Pete, Aaron
Subject: Meeting request with General Hagan for 10/2

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From: Pete, Aaron
To: Khumawala, Naaz
CC: Malashenko, Elizaveta I.
Sent: 9/11/2013 3:14:01 PM
Subject: RE: Meeting request with General Hagan for 10/2

I forgot to mention that the General's office is not at the main building (505 Van Ness Avenue). We are a block away going east and located at 455 Golden Gate Avenue, 7th Floor, Conference Room 7431. Is that ok with your people?

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:09 PM
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Cc: Malashenko, Elizaveta I.
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To: Khumawala, Naaz
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Fax (415) 703-3533
AKP@cpuc.ca.gov

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Sent: Wednesday, September 11, 2013 3:00 PM
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From: Khumawala, Naaz
To: Pete, Aaron
CC: Malashenko, Elizaveta I.
Sent: 9/11/2013 3:14:31 PM
Subject: RE: Meeting request with General Hagan for 10/2

That's fine, thanks

Naaz Khumawala
646-582-9243

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 5:14 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

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From: Hagan, Jack (Brigadier General – CA) on behalf of Pete, Aaron
To: Khumawala, Naaz (NKhumawala@wolferesearch.com); 'The General'; Malashenko, Elizaveta I.
Sent: 9/11/2013 3:15:29 PM
Subject: Mtg. with Research analysts at Wolfe Research
Attachments: Attachment1; RE: Meeting request with General Hagan for 10/2

Name: Attachment1

From:	Khumawala, Naaz
To:	Pete, Aaron
CC:	Malashenko, Elizaveta I.
Sent:	9/11/2013 3:09:00 PM
Subject:	RE: Meeting request with General Hagan for 10/2

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From: Madrigal, Anna-Marie
To: 'NKhumawala@wolfetrahan.com'
Sent: 9/12/2013 4:10:31 PM
Subject: Meeting with Paul Clanon, 10/2 @ 330

Hello!
Afternoon for Paul works and we have a room available.
I have blocked Room 5305 for 330 on Wed, Oct 2nd.

Please confirm.

Wolfe Research—Naaz, NKhumawala@wolfetrahan.com
RE:SONGS, PECG
646-582-9243

Oct 2nd, Wed.

Thank you,
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Madrigal, Anna-Marie
To: 'NKhumawala@wolfetrahan.com'
Sent: 9/12/2013 4:18:43 PM
Subject: RE: Meeting with Paul Clanon, 10/2 @ 345

Per our conversation, changing meeting to 345pm on Oct 2nd.
Sending Outlook now.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Madrigal, Anna-Marie
Sent: Thursday, September 12, 2013 4:11 PM
To: 'NKhumawala@wolfetrahan.com'
Subject: Meeting with Paul Clanon, 10/2 @ 330

Hello!
Afternoon for Paul works and we have a room available.
I have blocked Room 5305 for 330 on Wed, Oct 2nd.

Please confirm.

Wolfe Research—Naaz, NKhumawala@wolfetrahan.com
RE:SONGS, PECG
646-582-9243

Oct 2nd, Wed.

Thank you,
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Khumawala, Naaz
To: Madrigal, Anna-Marie
Sent: 9/12/2013 4:18:57 PM
Subject: RE: Meeting with Paul Clanon, 10/2 @ 345

Perfect, thanks

Naaz Khumawala
646-582-9243

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Thursday, September 12, 2013 6:19 PM
To: Khumawala, Naaz
Subject: RE: Meeting with Paul Clanon, 10/2 @ 345

Per our conversation, changing meeting to 345pm on Oct 2nd.
Sending Outlook now.

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Madrigal, Anna-Marie
Sent: Thursday, September 12, 2013 4:11 PM
To: 'NKhumawala@wolfetrahan.com'
Subject: Meeting with Paul Clanon, 10/2 @ 330

Hello!
Afternoon for Paul works and we have a room available.
I have blocked Room 5305 for 330 on Wed, Oct 2nd.

Please confirm.

Wolfe Research—Naaz, NKhumawala@wolfetrahan.com
RE:SONGS, PECG
646-582-9243

Oct 2nd, Wed.

Thank you,
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

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From:	Clanon, Paul on behalf of Madrigal, Anna-Marie
To:	NKhumawala@wolfetrahan.com; Clanon, Paul
Sent:	9/12/2013 4:21:02 PM
Subject:	Meeting w/ Wolfe Trahan Researchers/Naaz Khumawala
Attachments:	Attachment1

CONFIRMED.

I have blocked Room 5305 for 345 on Wed, Oct 2nd.

Wolfe Research—Naaz, NKhumawala@wolfetrahan.com
RE:SONGS, PECG
646-582-9243

Oct 2nd, Wed.

Thank you,

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

Name: Attachment1

From: Khumawala, Naaz
To: Goldthrite, Cody (cody.goldthrite@cpuc.ca.gov); Brown, Carol A. (carol.brown@cpuc.ca.gov)
Sent: 9/23/2013 1:37:27 PM
Subject: Wolfe Meeting 10/2

Carol,

Wanted to confirm our meeting next week at Wednesday, 10/2 at 9am.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: Banks, Juliane (juliane.banks@cpuc.ca.gov)
Sent: 9/23/2013 1:38:46 PM
Subject: Wolfe Meeting 10/2

Juliane,

Wanted to confirm our meeting next week with Commissioner Ferron on Wednesday, 10/2 at 11am.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

The information contained in this e-mail is intended for the exclusive use of the addressee(s) and may contain confidential or privileged information. Any review, use, disclosure, distribution or copying of this transmittal is prohibited except by or on behalf of the intended recipient. The contents of this e-mail, including any attachments, is to be used solely for informational purposes, and should not be regarded as an offer, or a solicitation of an offer to buy or sell a security, financial instrument or service discussed herein. Opinions in this communication constitute the current judgment of the author as of the date and time of this e-mail and are subject to change without notice. Information herein is believed to be reliable but Wolfe Research, LLC and its affiliates, including but not limited to WR Securities, LLC doing business as Wolfe Research Securities, makes no representation that it is complete or accurate. Recipients are encouraged to seek financial advice from their financial advisor regarding the appropriateness of investing in a security or financial instrument referred to in this e-mail and should understand that statements regarding the future performance of the financial instruments or the securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Research and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Research, LLC, please see http://www.WolfeResearch.com/Disclosures.

From: Khumawala, Naaz
To: scott.mosbaugh@cpuc.ca.gov
Sent: 9/23/2013 1:39:41 PM
Subject: Wolfe Meeting 10/2

Scott,

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm with Rachel Peterson.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
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nkhumawala@wolferesearch.com

The information contained in this e-mail is intended for the exclusive use of the addressee(s) and may contain confidential or privileged information. Any review, use, disclosure, distribution or copying of this transmittal is prohibited except by or on behalf of the intended recipient. The contents of this e-mail, including any attachments, is to be used solely for informational purposes, and should not be regarded as an offer, or a solicitation of an offer to buy or sell a security, financial instrument or service discussed herein. Opinions in this communication constitute the current judgment of the author as of the date and time of this e-mail and are subject to change without notice. Information herein is believed to be reliable but Wolfe Research, LLC and its affiliates, including but not limited to WR Securities, LLC doing business as Wolfe Research Securities, makes no representation that it is complete or accurate. Recipients are encouraged to seek financial advice from their financial advisor regarding the appropriateness of investing in a security or financial instrument referred to in this e-mail and should understand that statements regarding the future performance of the financial instruments or the securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Research and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Research, LLC, please see http://www.WolfeResearch.com/Disclosures.

From: Khumawala, Naaz
To: scott.mosbaugh@cpuc.ca.gov
Sent: 9/23/2013 1:40:31 PM
Subject: RE: Wolfe Meeting 10/2

Sorry—got my advisors confused! We are meeting with Commissioner Peterman at 3:00pm. Attendees are the same.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Khumawala, Naaz
Sent: Monday, September 23, 2013 4:40 PM
To: scott.mosbaugh@cpuc.ca.gov
Subject: Wolfe Meeting 10/2

Scott,

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm with Rachel Peterson.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
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646-582-9243
nkhumawala@wolferesearch.com

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From:	Khumawala, Naaz
To:	amy.brodrick@cpuc.ca.gov; Peterson, Rachel A.
Sent:	9/23/2013 1:41:59 PM
Subject:	FW: Wolfe Meeting 10/2

Rachel

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: Pete, Aaron
CC: Malashenko, Elizaveta I.
Sent: 9/23/2013 1:43:14 PM
Subject: RE: Meeting request with General Hagan for 10/2

Hi,

Wanted to confirm our meeting with General Hagan at 2pm.

Below is a list of attendees:

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

-

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 6:14 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

I forgot to mention that the General's office is not at the main building (505 Van Ness Avenue). We are a block away going east and located at 455 Golden Gate Avenue, 7th Floor, Conference Room 7431. Is that ok with your people?

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:09 PM

To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Sure, here is the website.

http://wolferesearch.com/

Bio can be found here: http://wolferesearch.com/steven-i-fleishman/

We also know Paul Clanon and Ana Marie well, they can vouch for us. We have met with Paul a number of times.

Thanks!

Naaz Khumawala
646-582-9243

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 5:07 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Hi Naaz, can you send me bios on the attendees and any other information about your company? Do you have a web site we can look at?

Thank you,
Aaron K. Pete
Executive Assistant to the Director
Brigadier General (CA) Emory J. Hagan, III
Safety and Enforcement Division
California Public Utilities Commission
Phone (415) 703-2179
Fax (415) 703-3533
AKP@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:00 PM
To: Pete, Aaron
Subject: Meeting request with General Hagan for 10/2

Hi,

We are equity research analysts at Wolfe Research, and we follow the California Regulatory environment as it pertains to the utilities and merchant generation companies that do business in California.

Topics of interest include:
- safety standards
- renewable standards
- policies around penalties

We are requesting to meet with General Hagan on October 2nd. We are also meeting with Commissioner Peterman and Ferron, as well as advisors for Commissioners Florio and Sandoval. Our final list of attendees is not confirmed yet, but attendees as of now are the following:

Steve Fleishman, Equity Analyst, Wolfe Research
Naaz Khumawala, Equity Analyst, Wolfe Research

John Kohli, Franklin Advisors
Blair Schmicker, Franklin Advisors
Tom O'Neill, Green Arrow funds

Please let me know if you need more information or anything else.

Thanks.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: anna-marie.madrigal@cpuc.ca.gov
Sent: 9/23/2013 1:49:19 PM
Subject: Confirming meeting next Wednesday at 3:45pm with Paul

See attendees below—excited to see you!

-

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

-

-

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From:	Pete, Aaron
To:	Khumawala, Naaz
CC:	Malashenko, Elizaveta I.
Sent:	9/23/2013 1:51:50 PM
Subject:	RE: Meeting request with General Hagan for 10/2

Yes, your meeting with General Hagan is confirmed for 2pm next Wednesday, October 2nd at 455 Golden Gate Avenue, 7th Floor.

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:43 PM
To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Hi,

Wanted to confirm our meeting with General Hagan at 2pm.

Below is a list of attendees:

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

-

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 6:14 PM
To: Khumawala, Naaz

Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

I forgot to mention that the General's office is not at the main building (505 Van Ness Avenue). We are a block away going east and located at 455 Golden Gate Avenue, 7th Floor, Conference Room 7431. Is that ok with your people?

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:09 PM
To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Sure, here is the website.

http://wolferesearch.com/

Bio can be found here: http://wolferesearch.com/steven-i-fleishman/

We also know Paul Clanon and Ana Marie well, they can vouch for us. We have met with Paul a number of times.

Thanks!

Naaz Khumawala
646-582-9243

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 5:07 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Hi Naaz, can you send me bios on the attendees and any other information about your company? Do you have a web site we can look at?

Thank you,
Aaron K. Pete
Executive Assistant to the Director
Brigadier General (CA) Emory J. Hagan, III
Safety and Enforcement Division
California Public Utilities Commission
Phone (415) 703-2179
Fax (415) 703-3533
AKP@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:00 PM
To: Pete, Aaron
Subject: Meeting request with General Hagan for 10/2

Hi,

We are equity research analysts at Wolfe Research, and we follow the California Regulatory environment as it pertains to the utilities and merchant generation companies that do business in California.

Topics of interest include:

- safety standards
- renewable standards
- policies around penalties

We are requesting to meet with General Hagan on October 2nd. We are also meeting with Commissioner Peterman and Ferron, as well as advisors for Commissioners Florio and Sandoval. Our final list of attendees is not confirmed yet, but attendees as of now are the following:

Steve Fleishman, Equity Analyst, Wolfe Research
Naaz Khumawala, Equity Analyst, Wolfe Research
John Kohli, Franklin Advisors
Blair Schmicker, Franklin Advisors
Tom O'Neill, Green Arrow funds

Please let me know if you need more information or anything else.

Thanks.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Mosbaugh, Scott
To: Khumawala, Naaz
Sent: 9/24/2013 10:10:53 AM
Subject: RE: Wolfe Meeting 10/2

You are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:41 PM
To: Mosbaugh, Scott
Subject: RE: Wolfe Meeting 10/2

Sorry—got my advisors confused! We are meeting with Commissioner Peterman at 3:00pm. Attendees are the same.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Khumawala, Naaz
Sent: Monday, September 23, 2013 4:40 PM
To: scott.mosbaugh@cpuc.ca.gov
Subject: Wolfe Meeting 10/2

Scott,

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm with Rachel Peterson.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

-

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: Mosbaugh, Scott
Sent: 9/26/2013 11:44:30 AM
Subject: RE: Wolfe Meeting 10/2

Scott—what room will we be in? Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, September 24, 2013 1:11 PM
To: Khumawala, Naaz
Subject: RE: Wolfe Meeting 10/2

You are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:41 PM
To: Mosbaugh, Scott
Subject: RE: Wolfe Meeting 10/2

Sorry—got my advisors confused! We are meeting with Commissioner Peterman at 3:00pm. Attendees are the same.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Khumawala, Naaz
Sent: Monday, September 23, 2013 4:40 PM
To: scott.mosbaugh@cpuc.ca.gov
Subject: Wolfe Meeting 10/2

Scott,

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm with Rachel Peterson.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research

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8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

-

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From:	Peterson, Rachel A. on behalf of Brodrick, Amy
To:	Poirier, Marcelo; 'nkhumawala@wolfeResearch.com'
Sent:	9/26/2013 11:45:23 AM
Subject:	Naaz Khumawala (Equity analyst), Wolfe Research - Discuss California regulatory environment, safety issues and renewable standards
Attachments:	Attachment1; FW: Wolfe Meeting 10/2; Florio Meeting Request.doc

Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,

Attendees (name, title, company) Attach additional sheet if necessary:
Steve Fleishman, Equity Analyst, Wolfe Research
Naaz Khumawala, Equity Analyst, Wolfe Research

Name: Attachment1

COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 9/4/2013
Party requesting meeting: Naaz Khumawala (Equity analyst), Wolfe Research
Docket # and Short Name:
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (x)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (x) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (x) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (x)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (x)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research Naaz Khumawala, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 10/1/2013
Contact name, Phone, e-mail: Naaz Khumawala, 646-582-9243, nkhumawala@wolfeResearch.com,
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From: Khumawala, Naaz
To: Brodrick, Amy; Peterson, Rachel A.
Sent: 9/23/2013 1:41:59 PM
Subject: FW: Wolfe Meeting 10/2

Rachel

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Mosbaugh, Scott
To: Khumawala, Naaz
Sent: 9/26/2013 11:45:27 AM
Subject: RE: Wolfe Meeting 10/2

Tentatively it will be in room 5305

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Thursday, September 26, 2013 11:45 AM
To: Mosbaugh, Scott
Subject: RE: Wolfe Meeting 10/2

Scott—what room will we be in? Thanks!

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Tuesday, September 24, 2013 1:11 PM
To: Khumawala, Naaz
Subject: RE: Wolfe Meeting 10/2

You are confirmed.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:41 PM
To: Mosbaugh, Scott
Subject: RE: Wolfe Meeting 10/2

Sorry—got my advisors confused! We are meeting with Commissioner Peterman at 3:00pm. Attendees are the same.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Khumawala, Naaz

Sent: Monday, September 23, 2013 4:40 PM
To: scott.mosbaugh@cpuc.ca.gov
Subject: Wolfe Meeting 10/2

Scott,

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm with Rachel Peterson.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Peterson, Rachel A.
To: Khumawala, Naaz; Brodrick, Amy; Poirier, Marcelo
Sent: 9/26/2013 2:44:35 PM
Subject: RE: Wolfe Meeting 10/2

Naaz,
Thanks for this. Marcelo Poirier, legal advisor to Commissioner Florio, is likely joining us as well.

See you next week,
Rachel

Rachel Peterson
Policy Advisor to Commissioner Florio
California Public Utilities Commission
(415) 703-2872
rachel.peterson@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:42 PM
To: Brodrick, Amy; Peterson, Rachel A.
Subject: FW: Wolfe Meeting 10/2

Rachel

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
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10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
Utilities & Power Research
Wolfe Research

646-582-9243
nkhumawala@wolferesearch.com

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From: Banks, Juliane
To: Khumawala, Naaz
Sent: 9/26/2013 3:06:25 PM
Subject: RE: Wolfe Meeting 10/2

Hi Naaz,

My apologies for not getting back to you sooner. Yes, you are confirmed to meet with Comr. Ferron on 10/2 at 11am. Thank you for the list of attendees.

Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:39 PM
To: Banks, Juliane
Subject: Wolfe Meeting 10/2

Juliane,

Wanted to confirm our meeting next week with Commissioner Ferron on Wednesday, 10/2 at 11am.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
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10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
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13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

Naaz Khumawala
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nkhumawala@wolferesearch.com

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From: Khumawala, Naaz
To: Banks, Juliane
Sent: 9/26/2013 3:08:26 PM
Subject: RE: Wolfe Meeting 10/2

Thanks, what room are we in?

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Thursday, September 26, 2013 6:06 PM
To: Khumawala, Naaz
Subject: RE: Wolfe Meeting 10/2

Hi Naaz,

My apologies for not getting back to you sooner. Yes, you are confirmed to meet with Comr. Ferron on 10/2 at 11am. Thank you for the list of attendees.

Thanks,
Juliane

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:39 PM
To: Banks, Juliane
Subject: Wolfe Meeting 10/2

Juliane,

Wanted to confirm our meeting next week with Commissioner Ferron on Wednesday, 10/2 at 11am.

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2. Naaz Khumawala, Wolfe Research
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5. Adam Ward, Capital Group
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10. Stephen Huang, Carlson Capital
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13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 9/30/2013 8:03:50 AM
Subject: Reminder: Steve Fleishman hosting meetings at EEI: November 10-13 in Orlando, FL

Please let us know if you would like to join any of the meetings we are hosting. Thanks.

This is a *capacity-constrained* event, so we will confirm your attendance as soon as possible after we have gauged demand. Please indicate interest to utilities@wolferesearch.com.

Event Website: http://www.eei.org/about/meetings/meeting.aspx?EEIEventId=B235790E-A81F-4200-BA0B-D4A66FBBF04F

Please click here for more details about the meetings below.

Sunday, November 10

12:30pm	ETR
2:00pm	ED
2:45pm	POR
3:15pm	TE
4:00pm	LNT
5:00pm	UNS

Monday, November 11

8:00am	EXC
9:15am	PEG
10:00am	NU
10:00am	PPL
11:00am	D
12:00pm	SO
1:00pm	DUK
2:00pm	EIX
3:00pm	XEL
3:30pm	NI
4:00pm	AEP
4:30pm	GXP
5:15pm	POM

Tuesday, November 12

7:30am	WR
8:00am	AES
8:45am	AEE
9:25am	NEE
9:45am	SCG
10:30am	PNW
10:40am	CNP
11:30am	OGE
12:00pm	WEC

1:00pm	PCG
1:45pm	UIL
2:00pm	CMS
2:30pm	EFH
2:30pm	HE
3:15pm	FE

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http://www.WolfeResearch.com/disclosures.

From: Khumawala, Naaz
To: jhe@cpuc.ca.gov
Sent: 9/30/2013 10:27:09 AM
Subject: Meeting on 10/2 at 10am

Jessica,

Hope your computer issues get resolved soon! Wanted to confirm our meeting on 10/2 at 10am PST. Also, understanding that Commissioner Sandoval is very busy, but if she is able to stop by for a few minutes, we would be really appreciative.

As we discussed, we are equity research analysts at Wolfe Research, and we follow the California Regulatory environment as it pertains to the utilities and merchant generation companies that do business in California.

Topics of interest include:

- Discussion around renewables, safety
- Regulatory environment in California

We are also meeting with Commissioner Peterman and Ferron, as well as advisors for Commissioners Florio and President Peevey. Our attendees are below:

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
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8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

The information contained in this e-mail is intended for the exclusive use of the addressee(s) and may contain confidential or privileged information. Any review, use, disclosure, distribution or copying of this transmittal is prohibited except by or on behalf of the intended recipient. The contents of this e-mail, including any attachments, is to be used solely for informational purposes, and should not be regarded as an offer, or a solicitation of an offer to buy or sell a security, financial instrument or service discussed herein. Opinions in this communication constitute the current judgment of the author as of the date and time of this e-mail and are subject to change without notice. Information herein is believed to be reliable but Wolfe Research, LLC and its affiliates, including but not limited to WR Securities, LLC doing business as Wolfe Research Securities, makes no representation that it is complete or accurate. Recipients are encouraged to seek financial advice from their financial advisor regarding the appropriateness of investing in a security or financial instrument referred to in this e-mail and should understand that statements regarding the future performance of the financial instruments or the securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Research and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Research, LLC, please see http://www.WolfeResearch.com/Disclosures.

From:	Ferron, Mark J. on behalf of Banks, Juliane
To:	Kamins, Sara M.; Khumawala, Naaz (NKhumawala@wolferesearch.com)
CC:	'Fleishman, Steve'
Sent:	9/30/2013 7:29:55 PM
Subject:	Wolfe Research Mtg to discuss CA Regulatory Environmnet, Safety Issues & Renewable Standards
Attachments:	Attachment1

When: Wednesday, October 02, 2013 11:00 AM-12:00 PM. (UTC-08:00) Pacific Time (US & Canada)
Where: Room 5100

~~*~*~*~*~*~*~*~*

BNK 9/10/13
BNK 9/30/13 - updating w/attendee list

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Contact person: **Naaz Khumawala 646-582-9243**

1. Person (and company) requesting meeting:
Naaz Khumawala (Equity Analyst), Wolfe Research **Today's Date**: 9/4/13

2. Reason for meeting (subject, topic, issues): Discuss California regulatory environment, safety issues and renewable standards

3. Docket or Proceeding # (if applicable) and case name: n/a

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): 10/1/2013 X In Person By phone

Proposed staff: X Comr. Ferron* Charlotte TerKeurst XMichael Colvin XSara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: X Energy **Telecom** **Transportation** **Water** **X General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** X No

7c. Is this an adjudicatory, complaint or enforcement case? Yes X No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes X No Do not know

If yes, specify the anticipated Commission meeting: date: Agenda Item number:

8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	**Company**	**Title**
Steve Fleishman	Wolfe Research	Equity Analyst
Naaz Khumawala	Wolfe Research	Equity Analyst

10. List your contact information:

Contact name: Naaz Khumawala **E-mail: nkhumawala@wolferesearch.com**

Office phone: 646-582-9243 **Cell:** **Fax No.:**

Name: Attachment1

From: Khumawala, Naaz
To: jhe@cpuc.ca.gov
Sent: 10/1/2013 1:18:02 PM
Subject: Re: Meeting on 10/2 at 10am

Jessica,

Sorry to bug you, just wanted to re-confirm our meeting tomorrow at 10am.

Do you know which room we will be meeting in?

Thanks

From: Khumawala, Naaz
Sent: Monday, September 30, 2013 01:27 PM
To: jhe@cpuc.ca.gov <jhe@cpuc.ca.gov>
Subject: Meeting on 10/2 at 10am

Jessica,

Hope your computer issues get resolved soon! Wanted to confirm our meeting on 10/2 at 10am PST. Also, understanding that Commissioner Sandoval is very busy, but if she is able to stop by for a few minutes, we would be really appreciative.

As we discussed, we are equity research analysts at Wolfe Research, and we follow the California Regulatory environment as it pertains to the utilities and merchant generation companies that do business in California.

Topics of interest include:

- Discussion around renewables, safety
- Regulatory environment in California

We are also meeting with Commissioner Peterman and Ferron, as well as advisors for Commissioners Florio and President Peevey. Our attendees are below:

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
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From: Pete, Aaron
To: Khumawala, Naaz
CC: Malashenko, Elizaveta I.
Sent: 10/1/2013 4:57:54 PM
Subject: RE: Meeting request with General Hagan for 10/2

Hello Naaz, I have been informed by the General that he cannot meet tomorrow at 2 pm. He has to leave the office for appointment in Sacramento and needs to leave by 1:30 pm. The General can meet earlier if that can work with your team. Please advise.

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:15 PM
To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

That's fine, thanks

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Please let me know if you need more information or anything else.

Thanks.

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From:	Khumawala, Naaz
To:	aaron.pete@cpuc.ca.gov
CC:	elizaveta.malashenko@cpuc.ca.gov
Sent:	10/1/2013 6:09:54 PM
Subject:	Re: Meeting request with General Hagan for 10/2

Aaron, can we do 12:15pm? Thanks.

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
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Sent: Wednesday, September 11, 2013 3:00 PM
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From: Hagan, Jack (Brigadier General – CA) on behalf of Pete, Aaron
To: Khumawala, Naaz (NKhumawala@wolferesearch.com); 'The General'; Malashenko, Elizaveta I.
CC: 'Fleishman, Steve'
Sent: 10/2/2013 8:23:04 AM
Subject: Mtg. with Research analysts at Wolfe Research
Attachments: Attachment1; RE: Meeting request with General Hagan for 10/2

Name: Attachment1

From:	Khumawala, Naaz
To:	Pete, Aaron
CC:	Malashenko, Elizaveta I.
Sent:	9/11/2013 3:09:00 PM
Subject:	RE: Meeting request with General Hagan for 10/2

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From: Pete, Aaron
To: Khumawala, Naaz
CC: Malashenko, Elizaveta I.; 'The General'; Hagan, Jack (Brigadier General – CA)
Sent: 10/2/2013 8:24:01 AM
Subject: RE: Meeting request with General Hagan for 10/2

Done Naaz.

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Assistant to Brigadier General (CA) Jack Hagan
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CC: elizaveta.malashenko@cpuc.ca.gov
Sent: 10/2/2013 8:41:52 AM
Subject: Re: Meeting request with General Hagan for 10/2

Can we order lunch for the meeting? Where can I have it delivered?

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, October 02, 2013 11:24 AM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>; 'The General' <ejhagan@sbcglobal.net>; Hagan, Jack (Brigadier General – CA) <emory.hagan@cpuc.ca.gov>
Subject: RE: Meeting request with General Hagan for 10/2

Done Naaz.

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Tuesday, October 01, 2013 6:10 PM
To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: Re: Meeting request with General Hagan for 10/2

Aaron, can we do 12:15pm? Thanks.

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Tuesday, October 01, 2013 07:57 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I. <elizaveta.malashenko@cpuc.ca.gov>
Subject: RE: Meeting request with General Hagan for 10/2

Hello Naaz, I have been informed by the General that he cannot meet tomorrow at 2 pm. He has to leave the office for appointment in Sacramento and needs to leave by 1:30 pm. The General can meet earlier if that can work with your team. Please advise.

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Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
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(415) 703-2179

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, September 11, 2013 3:15 PM
To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

That's fine, thanks

Naaz Khumawala

646-582-9243

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 5:14 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

I forgot to mention that the General's office is not at the main building (505 Van Ness Avenue). We are a block away going east and located at 455 Golden Gate Avenue, 7th Floor, Conference Room 7431. Is that ok with your people?

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Aaron K. Pete
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Sent: Wednesday, September 11, 2013 3:09 PM
To: Pete, Aaron
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Sure, here is the website.

http://wolferesearch.com/

Bio can be found here: http://wolferesearch.com/steven-i-fleishman/

We also know Paul Clanon and Ana Marie well, they can vouch for us. We have met with Paul a number of times.

Thanks!

Naaz Khumawala
646-582-9243

From: Pete, Aaron [mailto:aaron.pete@cpuc.ca.gov]
Sent: Wednesday, September 11, 2013 5:07 PM
To: Khumawala, Naaz
Cc: Malashenko, Elizaveta I.
Subject: RE: Meeting request with General Hagan for 10/2

Hi Naaz, can you send me bios on the attendees and any other information about your company? Do you have a web site we can look at?

Thank you,
Aaron K. Pete
Executive Assistant to the Director
Brigadier General (CA) Emory J. Hagan, III
Safety and Enforcement Division
California Public Utilities Commission
Phone (415) 703-2179
Fax (415) 703-3533
AKP@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]

Sent: Wednesday, September 11, 2013 3:00 PM
To: Pete, Aaron
Subject: Meeting request with General Hagan for 10/2

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Topics of interest include:

- safety standards
- renewable standards
- policies around penalties

We are requesting to meet with General Hagan on October 2nd. We are also meeting with Commissioner Peterman and Ferron, as well as advisors for Commissioners Florio and Sandoval. Our final list of attendees is not confirmed yet, but attendees as of now are the following:

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Naaz Khumawala, Equity Analyst, Wolfe Research
John Kohli, Franklin Advisors
Blair Schmicker, Franklin Advisors
Tom O'Neill, Green Arrow funds

Please let me know if you need more information or anything else.

Thanks.

Naaz Khumawala
Utilities & Power Research
Wolfe Research
646-582-9243
nkhumawala@wolferesearch.com

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From: Pete, Aaron
To: Khumawala, Naaz
CC: Malashenko, Elizaveta I.
Sent: 10/2/2013 9:09:20 AM
Subject: RE: Meeting request with General Hagan for 10/2

The General has a lunch appointment after this meeting and since the meeting is only 30 minutes long and will take place in the General's office not sure if that's practical.

Thank you,
Aaron K. Pete
Assistant to Brigadier General (CA) Jack Hagan
Director of SED
(415) 703-2179

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- renewable standards
- policies around penalties

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Naaz Khumawala, Equity Analyst, Wolfe Research
John Kohli, Franklin Advisors
Blair Schmicker, Franklin Advisors
Tom O'Neill, Green Arrow funds

Please let me know if you need more information or anything else.

Thanks.

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investing in a security or financial instrument referred to in this e-mail and should understand that statements regarding the future performance of the financial instruments or the securities referenced herein may not be realized. We will not be able to accept orders by email to buy or sell securities, transfer funds or which involve time-sensitive instructions. Subject to applicable law, Wolfe Research and its affiliates reserve the right to intercept, monitor and retain communications transmitted through its systems. For important disclosures regarding companies covered by Wolfe Research, LLC, please see http://www.WolfeResearch.com/Disclosures.

From: Khumawala, Naaz
To: rachel.peterson@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov; marcelo.poirier@cpuc.ca.gov
Sent: 10/2/2013 12:45:51 PM
Subject: Re: Wolfe Meeting 10/2

Rachel/Marcelo,

We are running a bit behind schedule. Can we start our meeting at 1:15 please?
Thanks

From: Peterson, Rachel A. [mailto:rachel.peterson@cpuc.ca.gov]
Sent: Thursday, September 26, 2013 05:44 PM
To: Khumawala, Naaz; Brodrick, Amy <amy.brodrick@cpuc.ca.gov>; Poirier, Marcelo <marcelo.poirier@cpuc.ca.gov>
Subject: RE: Wolfe Meeting 10/2

Naaz,
Thanks for this. Marcelo Poirier, legal advisor to Commissioner Florio, is likely joining us as well.

See you next week,
Rachel

Rachel Peterson
Policy Advisor to Commissioner Florio
California Public Utilities Commission
(415) 703-2872
rachel.peterson@cpuc.ca.gov

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Monday, September 23, 2013 1:42 PM
To: Brodrick, Amy; Peterson, Rachel A.
Subject: FW: Wolfe Meeting 10/2

Rachel

Wanted to confirm our meeting next week at Wednesday, 10/2 at 1pm.

Below, please see a list of attendees.

Wolfe Research Meeting Attendees

1. Steve Fleishman, Wolfe Research
2. Naaz Khumawala, Wolfe Research
3. Randall Li, Nexus Research
4. Andre Meade, Capital Group
5. Adam Ward, Capital Group
6. Karen Choi, Capital Group
7. Tom Bevan, Capital Group
8. Phil Sundell, American Century
9. Brad Donovan, George Weiss
10. Stephen Huang, Carlson Capital
11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital

13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

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From: Peterson, Rachel A.
To: Khumawala, Naaz; Brodrick, Amy; Poirier, Marcelo
Sent: 10/2/2013 12:47:41 PM
Subject: RE: Wolfe Meeting 10/2

Naaz,

That's fine for me. Amy, can you reserve Room 5305 for us through to 2 p.m., please?

-Rachel

From: Khumawala, Naaz [mailto:NKhumawala@wolferesearch.com]
Sent: Wednesday, October 02, 2013 12:46 PM
To: Peterson, Rachel A.; Brodrick, Amy; Poirier, Marcelo
Subject: Re: Wolfe Meeting 10/2

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Naaz,
Thanks for this. Marcelo Poirier, legal advisor to Commissioner Florio, is likely joining us as well.

See you next week,
Rachel

Rachel Peterson
Policy Advisor to Commissioner Florio
California Public Utilities Commission
(415) 703-2872
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11. Chris Shelton, Millennium Capital
12. Greg Reiss, Millennium Capital
13. Andy Levi, Avon Capital
14. Douglas Simmons, Fidelity
15. Michael Goldenberg, Luminus

Thanks,
Naaz

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From: Fleishman, Steve
To: Ferron, Mark J.; Khumawala, Naaz
Sent: 10/4/2013 5:40:32 AM
Subject: RE: Double leverage

Commissioner Ferron,

Thanks for your time this week. It was nice to see you.

On the double leverage, we will look for some examples. There are some states that have imputed debt that is above the utility into the utility capital structure. Most just look at the utility and do not get concerned by what the parent is doing.

Regards

Steve

From: Ferron, Mark J. [mark.ferron@cpuc.ca.gov]
Sent: Wednesday, October 02, 2013 3:30 PM
To: Khumawala, Naaz; Fleishman, Steve
Subject: Double leverage

Hi guys,

It was great to see you again today.

Following on the point concerning the "double leverage" problem for utility holding companies, I was wondering if you have any background material which explains how this is determined and in what circumstance it is seen as a problem, possibly involving utilities outside of California.

Cheers

Mark

Mark J. Ferron
Commissioner
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
415-703-2444
http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Ferron/index.htm

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From: utilities@wolferesearch.com
To: mark.ferron@cpuc.ca.gov
Sent: 10/31/2013 4:26:58 AM
Subject: PCG: Still haunted by San Bruno; waiting for the ALJ

Util

Regulateds
Integrateds - Mar
IPPs - Ma

3

PG&E Corp (PCG - $41.88 - Peer Perform)

Still haunted by San Bruno; waiting for the ALJ

Click here to view our complete note [PDF]

Click here to view our PCG model [XLS]

PCG stock a binary call on upcoming San Bruno decision
It's the fourth Halloween since the San Bruno explosion and investors are still waiting to see the penalty PCG record in the case is finally closed and an ALJ decision is expected by year end with a final PUC order likely in continues to underperform into the ruling and is now trading at a 4% discount to the sector on our new 2015E which assumes the adverse CPSD staff recommendation is adopted ($1.8B net fine/penalty). While the risk/re becoming more compelling, the ALJ decision is highly unpredictable. We remain Peer Perform awaiting either a valuation or more clarity on the San Bruno penalty and equity needs.

Q3 solid, but another unexpected write-off
PCG's operating earnings came in at $0.88, above our $0.82E and the $0.78 consensus. However, PCG record unexpected write-off of $196M to reflect a change in the PSEP 1 work; less miles of pipe to replace but at a m This adds slightly to our equity needsand lowers ratebase resulting in a $0.03/share reduction to our estimate issued $740M of its planned $1-$1.2B of equity issuance this year. We continue to project $1B+ of additional issuance annually to cover both unrecovered spending and ratebase growth.

Electric and gas rate cases also key for PCG recovery
We assume rate relief will allow PCG to resume earning its allowed returns in electric in 2014 and gas in 2015 the electric GRC is scheduled for Nov 19 (though we believe it could come later) with a final order likely in Q1 case will be filed in late 2013 with a decision likely in early 2015. PCG management went out of their way on highlight that the gas GRC will be a large rate need and will likely face stiff opposition.

Lowering estimates modestly
We once again lower our PCG estimates. Two things are pressuring our estimates: 1) additional $100M of equ fund the $196M capital write-off ($0.01-$0.02/sh hit) and 2) lowering our share price at which we issue equit $42 given the decline in the stock ($0.02/sh hit). Since we project PCG issuing a significant amount of equity, makes a difference. We continue to let PCG keep tax benefits, if the CPSD penalty proves to be after-tax vs pr another $0.05/sh hit. Our new 2013-2016 estimates are $2.55, $2.88, $2.96 and $3.02/sh. Our prior 2013-2 were $2.51, $2.91, $2.99 and $3.06/sh.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeResearch.

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Please visit WolfeResearch.com for more information.

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To: mark.ferron@cpuc.ca.gov
Sent: 11/7/2013 7:45:36 PM
Subject: PCG: No shutoff valve on PCG fines

Util

Regulateds
Integrateds - Mar
IPPs - Ma

7

PG&E Corp (PCG - $42.05 - Peer Perform)

No shutoff valve on PCG fines

Click here to view our complete note [PDF]

Click here to view our PCG model [XLS]

More fines hit PCG; Alternate PD in Show Cause and a citation
On Monday evening, Comm. Ferron released an alternate Alt PD in the show cause investigation raising the pr $17.25M vs the $6.75M proposed in the ALJ PD. More concerning to us, the Alt PD was very critical of current in particular saying management deliberately misled and tried to conceal facts on important matters. Last nigh asked the PCG Board Audit Committee to review management actions that led to Comm. Ferron's proposed fin Bruno decisions nearing an end game, this case has been very bothersome to us as it questions current PCG n not the prior one. Moreover, the CPSD recently fined PCG another $8.1M for contractor violation. We do not b have been paying enough attention to these recent events. This is not a good sign right ahead of the San Brui

Show cause case is separate, but could be signal for San Bruno
The show cause order was issued for Lines 101 and 147 and relates to PCG's documentation of pipeline inspec order to show cause has gotten much attention in a state that is wary of pipeline disasters; typically show cau result in substantial fines, and this continues to be a sizeable enforcement on PCG. However, what is more cor that investors expect the CPUC to be more constructive towards PCG than the last staff proposal in San Bruno by this recent Alternate PD, it is difficult to tell how the CPUC will act. We continue to view the ALJ decision as Bruno case—expected by YE13.

More fines to come, another show cause still outstanding
PCG released an 8-K today with updates on these matters. In the 8-K PCG mentioned that it has other self-re that may still be addressed and fined by the SED. In addition, there is another show cause order still out to de whether or not the CPUC should suspend PCG's operating pressures until records are determined reliable. We that most of these fines are seemingly small, particularly compared to the ultimate San Bruno penalty. Rather that "this doesn't end" that concerns us. Also, it is possible that some of the directives laid out by the CPUC St more unrecoverable spend by PCG.

Next steps; look for more from management at EEI
Next steps in the Show Cause Order: comments by parties on the proposed deicion are due November 19. Cor Alt PD are due November 25. A final decision is scheduled for December 5. For the SED citation (issued on 11/ days to pay or contest the citation.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeResearch.

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From: utilities@wolferesearch.com
To: mike.florio@cpuc.ca.gov
Sent: 12/3/2013 6:05:44 PM
Subject: PCG: Scenario analysis ahead of an ALJ decision

PG&E Corp (PCG - $40.80 - Peer Perform)

Scenario analysis ahead of an ALJ decision

Click here to view our complete note [PDF]

Click here to view our PCG model [XLS]

Risk-reward in stock not big enough yet
We have run some scenarios of potential outcomes and earnings impact ahead of the ALJ decision in the San E Based on our analysis, the stock is reflecting the revised SED recommendation. We see modest downside risk recommendation is worse, but the stock requires a substantial improvement closer to the initial SED recomme attractive. We stay on the sidelines with a Peer Perform rating awaiting either a wider discount valuation or m the final SB penalty.

Considering various outcomes
We consider three scenarios: 1) base case of second SED recommendation; 2) low case of a $2.25B after-tax p credit for work done; 3) upside case of the original SED recommendation. Our base case results in 2015 and 2 $2.96 and $3.02/sh. In a downside case we see 2015-2016 earnings of $2.89 and $2.84/sh. In an upside case earnings are $3.30 and $3.38/sh – the only case in which we see meaningful upside. We think it will be tough improve from the second SED recommendation, though we also do not expect it to get materially worse. While offers 4% upside combined with a yield of 4.5%, post a final SB decision, PCG will still have significant equity two rate cases (electric and gas), meaning overhangs on the stock will persist.

What is the appropriate multiple for PCG?
Aside from the earnings impact, we also consider what relative multiple the stock deserves. This is a bit tough final decision will determine the multiple – a better than expected decision will have the stock trading in-line c to the group. A worse than expected decision will result in a below average multiple. While we like the strong growth in PCG, for the next several years we see meaningful equity needs, no dividend growth until 2015 at t ongoing electric and gas rate cases. Moreover, we expect the CPUC citation program to likely result in more, s PCG. Thus, we think the multiple for the stock will likely be at an average (14x P/E on 2016E) or around a hal (13.5x P/E).

Valuation; moving to 2016 – lowering PT to $42/sh
Given the meaningful equity needs and likely ongoing impact of a final outcome in the San Bruno case, we thi appropriate to value PCG on 2016E. We move from a slight discount valuation (14.75x P/E) on our 2015E to a valuation of 14x P/E on our 2016E of $3.02/sh. This results in our new price target of $42/sh. We continue to SED recommendation in our estimates and model. Our current 2013-2016 estimates are $2.55, $2.88, $2.96

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow–up with any questions, please email us at Utilities@WolfeResearch.

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http://www.WolfeResearch.com/disclosures.

From:	Paz, David
To:	joan.dahlgren@cpuc.ca.gov
CC:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov; Tse, Claire
Sent:	1/6/2014 7:09:35 AM
Subject:	Request for meeting
Attachments:	Florio Mtg Request Mar 2014.doc

Joan,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Florio. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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visit: WolfeResearch.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 1/6/14
Party requesting meeting: David Paz (Equity Analyst), Wolfe Research
Docket # and Short Name: NA
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards.
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research David Paz, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 3/25/2014
Contact name, Phone, e-mail: David Paz, 646-582-9242, dpaz@wolferesearch.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Paz, David
To:	rsm@cpuc.ca.gov; cmf@cpuc.ca.gov
CC:	jf2@cpuc.ca.gov; Tse, Claire
Sent:	1/6/2014 7:10:13 AM
Subject:	Request for meeting
Attachments:	Peterman Mtg Request Mar 2014.doc

Cristine and Scott,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: 1/16/14
Person and entity requesting meeting: David Paz (Equity Analyst), Wolfe Research
Docket # and Short Name: NA
Reason for the meeting (or short suggested agenda): Discuss California regulatory environment, safety issues and renewable standards.
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting in a ratesetting matter to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman. Please also provide advisor(s) service of ex-parte notice after meeting takes place, if applicable.
Attendees (name, title, company) : Steve Fleishman, Equity Analyst, Wolfe Research David Paz, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 3/25/2014 In Person (X) By phone ( )
Contact name, phone, e-mail: David Paz, 646-582-9242, dpaz@wolferesearch.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Please note that submission of this form does not guarantee a meeting with Commissioner Peterman or her advisors.

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From:	Paz, David
To:	SandovalRequest@cpuc.ca.gov
CC:	Tse, Claire
Sent:	1/6/2014 7:11:24 AM
Subject:	Request for meeting
Attachments:	Sandoval Mtg Request Mar 2014.doc

To Whom It May Concern:

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Sandoval. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700
SandovalRequest@cpuc.ca.gov

MEETING REQUEST FORM

Today's Date: 1/6/14
Party requesting meeting: David Paz (Equity Analyst), Wolfe Research
Docket # and Short Name: NA
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards.
We may request that you meet with an Advisor if the Commissioner is not available or in light of the ex parte rules.
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) Proceeding Number ( )
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*** Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Meeting Attendees (name, title, company): Steve Fleishman, Equity Analyst, Wolfe Research David Paz, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 3/25/2014
Contact name, phone, e-mail: David Paz, 646-582-9242, dpaz@wolferesearch.com

Email meeting request to SandovalRequest@cpuc.ca.gov.

Revised 2012-09-04

From:	Paz, David
To:	bnk@cpuc.ca.gov
CC:	Tse, Claire
Sent:	1/6/2014 7:12:06 AM
Subject:	Request for meeting
Attachments:	Ferron Mtg Request Mar 2014.doc

Juliane,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Ferron. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

***NOTE:* Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: David Paz (Equity Analyst), Wolfe Research	**Today's Date**: 1/6/14
2. Reason for meeting (subject, topic, issues): **Discuss California regulatory environment, safety issues and renewable standards**	
3. Docket or Proceeding # (if applicable) and case name: n/a	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 3/25/2014	**X In Person** ☐ **By phone**
Proposed staff: X Comr. Ferron* ☐**Charlotte TerKeurst** **X Michael Colvin** **XSara Kamins** ☐**Charlyn Hook**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request ☐ Assign an advisor	
6. Industry: **X Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** **X General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** X No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes X No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Steve Fleishman	Wolfe Research	Equity Analyst
David Paz	Wolfe Research	Equity Analyst

10. List your contact information:		
Contact name: David Paz		**E-mail: dpaz@wolferesearch.com**
Office phone: 646-582-9242	**Cell:**	**Fax No.:**
Office use only:		
FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From: Mosbaugh, Scott
To: Paz, David; Fernandez, Cristine
CC: Fitch, Julie A.; Tse, Claire
Sent: 1/6/2014 11:39:15 AM
Subject: RE: Request for meeting

Hi David,

At this time Commissioner Peterman is not available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:10 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

Cristine and Scott,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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From: Paz, David
To: Mosbaugh, Scott; Fernandez, Cristine
CC: Fitch, Julie A.; Tse, Claire
Sent: 1/6/2014 11:47:52 AM
Subject: RE: Request for meeting

Hi Scott,

Thanks for the prompt reply. Yes, please keep my request in mind if Commissioner Peterman's schedule opens up, or if her advisors are available. We will be in the area that week, regardless.

Thanks again,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates visit: WolfeResearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 2:39 PM
To: Paz, David; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi David,

At this time Commissioner Peterman is not available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:10 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

Cristine and Scott,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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From: Mosbaugh, Scott
To: Paz, David
Sent: 1/6/2014 12:01:38 PM
Subject: RE: Request for meeting

Her advisors will be here. Would you like to schedule some time with one of them?

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 11:48 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi Scott,

Thanks for the prompt reply. Yes, please keep my request in mind if Commissioner Peterman's schedule opens up, or if her advisors are available. We will be in the area that week, regardless.

Thanks again,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates visit: WolfeResearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 2:39 PM
To: Paz, David; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi David,

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Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102

415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:10 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

Cristine and Scott,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

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From: Paz, David
To: Mosbaugh, Scott
Sent: 1/6/2014 3:02:44 PM
Subject: RE: Request for meeting

Yes, that would be great. Of course, she is available then, we would be delighted if she could join.

Thanks,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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David

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From: Charles, Melicia on behalf of Fernandez, Cristine
To: Bawa, Niki; dpaz@wolferesearch.com; Fernandez, Cristine
Sent: 1/7/2014 9:10:11 AM
Subject: Meeting with Wolfe Research, David Paz, Equity Analyst
Attachments: Attachment1

Today's Date: 1/16/14

Person and entity requesting meeting: David Paz (Equity Analyst), Wolfe Research

Docket # and Short Name: NA

Reason for the meeting (or short suggested agenda):

Discuss California regulatory environment, safety issues and renewable standards.

Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )

Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)

Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X)
If yes, please indicate the date of the Commission meeting:

Attendees (name, title, company) :
Steve Fleishman, Equity Analyst, Wolfe Research
David Paz, Equity Analyst, Wolfe Research

Proposed date/time of meeting: 3/25/2014
In Person (X) By phone ( )

Contact name, phone, e-mail: David Paz, 646-582-9242, dpaz@wolferesearch.com

Name: Attachment1

From: Fernandez, Cristine
To: Paz, David; Tse, Claire
CC: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Sent: 1/7/2014 9:13:04 AM
Subject: RE: Request for meeting

Good Morning David,

You are scheduled to meet advisors Melicia Charles and Niki Bawa, March 25th at 1:30 p.m., Room 5209.

Cristine Fernandez
Office of Commissioner Carla Peterman
Phone no.: 415-703-3712
Fax no.: 415-703-1294

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From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 11:48 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

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Thanks for the prompt reply. Yes, please keep my request in mind if Commissioner Peterman's schedule opens up, or if her advisors are available. We will be in the area that week, regardless.

Thanks again,
David

Image removed by sender. Wolfe Research

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(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates visit: WolfeResearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 2:39 PM
To: Paz, David; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi David,

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Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:10 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

Cristine and Scott,

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I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Image removed by sender. Wolfe Research

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From: Paz, David
To: Fernandez, Cristine; Tse, Claire
CC: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Sent: 1/7/2014 9:17:02 AM
Subject: RE: Request for meeting

Cristine,

Thank you for the confirmation. I will be in touch as the date approaches for a final confirmation.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Tuesday, January 07, 2014 12:13 PM
To: Paz, David; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Good Morning David,

You are scheduled to meet advisors Melicia Charles and Niki Bawa, March 25th at 1:30 p.m., Room 5209.

Cristine Fernandez
Office of Commissioner Carla Peterman
Phone no.: 415-703-3712
Fax no.: 415-703-1294

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Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

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Image removed by sender. Wolfe Research

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Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

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Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

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Cc: Fitch, Julie A.; Tse, Claire
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Best,
David

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From: Malliett, Valerie
To: Paz, David
Sent: 1/8/2014 11:36:58 AM
Subject: RE: Request for meeting

Dear Mr. Paz,

I am sorry to say that our office is unable to meet with you and your investors. If you have a particular interest in a matter before the Commission, please revise and resend the meeting request and it will be reconsidered.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:11 AM
To: SandovalRequest
Cc: Tse, Claire
Subject: Request for meeting

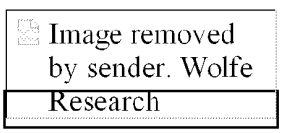
To Whom It May Concern:

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Sandoval. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David



David Paz
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From: Brodrick, Amy
To: dpaz@wolferesearch.com
Sent: 1/10/2014 3:10:44 PM
Subject: MeetingConfirmation

State of California

Memorandum

Date: January 10, 2014

To: David Paz

From: **Amy Brodrick**
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re: **Meeting Request Dated: January 6, 2014**

This will confirm that your meeting request for the above date has been set for **(March 25, 2014) (11:00 a.m.) (Room 5209)** with **(Rachel Peterson).**

Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. original Meeting Request Form,
please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Tl and we look forward to seeing you at the PUC.

From: utilities@wolferesearch.com
To: mike.florio@cpuc.ca.gov
Sent: 2/11/2014 8:08:50 PM
Subject: PCG: The waiting is the hardest part

Util

Regulateds
Integrateds - Mar
IPPs - Ma

1

PG&E Corp (PCG - $42.44 - Peer Perform)

The waiting is the hardest part

Click here to view our complete note [PDF]

Click here to view our PCG model [XLS]

No news, no guidance
PCG did not provide 2014 earnings guidance on its year end call. With the San Bruno penalty case and electri in process, management decided it was best to hold off on a 2014 outlook. We are expecting ALJs in both case but will not be holding our breath.

Equity issuance update
PCG plans to issue $800m-$1b of equity in 2014, before any San Bruno penalties. This is roughly in line with expectations. A new $500m dribble program will be filed today. We continue to assume as much as $1b or mo equity based on the staff San Bruno recommendation.

Other earnings tidbits
Underearnings in the gas utility (net of efficiency incentives) are expected to be a $0.10/share hit in 2014, bu eliminate this drag by 2015 through the gas rate case. Transmission ROEs are in the same 10.4% range as th uptick from last year. Ratebase forecasts through 2016 are unchanged. PCG does not expect to pay cash taxes Unrecovered gas spending is expected to be $350-$450m, but this should start to ramp down in 2015. PCG fir of-way clearance estimate at $500m – a small victory since it did not go up.

Stock still a binary call on San Bruno outcome
PCG stock trades at a slight discount to be sector, but the earnings remain very dependent on the ultimate Sa outcome. We continue to view the shares as a binary call on this case with a little more upside than downside unpredictable ALJ decision. Our price target remains $42 based on 14x our 2016E of $3.02 – reflecting the las recommendation.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow–up with any questions, please email us at Utilities@WolfeResearch.

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From: Fleishman, Steve
To: Paul Clanon
Sent: 3/10/2014 8:23:28 AM
Subject: Are you available to talk briefly today - any time - 917-841-6085.

Sent from my iPad

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/10/2014 9:00:16 PM
Subject: PCG: Stepping up to the plate; upgrade to Outperform

Util

Regulateds
Integrateds - Mar
IPPs - Ma

PG&E Corp (PCG - $42.70 - Outperform)

Stepping up to the plate; upgrade to Outperform

Click here to view our complete note [PDF]

Click here to view our PCG model [XLS]

Risk/reward improves into San Bruno ALJ on our higher estimates
While PCG did not give earnings guidance on its year end call last month, the company provided modelling dat led us to do a thorough review. The punch line is that our estimates are as much as 8% higher than our prior now see a skewed positive risk/reward into the San Bruno ALJ whereas we previously viewed it as too binary t Importantly, we do not have any new insights into what the ALJ will do and this recommendation is targeted f investors.

11% total return upside on SED scenario; limited downside
On our new numbers and industry average multiples, we now see upside to the $46 area based on the punitiv updated recommendation ($300M fine; $1.5B pre-tax disallowances). We see further upside to the $47 area o SED ($1B pre-tax). Our downside scenario of a $2.5B after-tax hit shows some risk to the stock but limited. G shareholders are already absorbing $2.7B of unrecovered costs before any of these hits, we are hopeful that t improve on the SED recommendation. An ALJ is long overdue and could come any time now.

Lower share issuance key driver of higher estimates
A number of factors support our higher estimates but the key one is we had too much share issuance to suppo Bruno fine/penalties and growth capex. We now see about $800-900M incremental equity based on the SED r Core share issuance of $800M-$1B planned for 2014 should decline in 2015/16 as 2014 still has $840M of un spending (excluding fines/penalties) that shrinks to only about $150M in 2015 and 2016. Higher transmission another positive as PCG expects transmission to earn in line with the 10.4% allowed in CA based on updated f been as low as 9.1% a year ago. We are assuming that PCG is fully earning its allowed ROEs by 2015.

Read more... [PDF]

Thanks,

Steve

Wolfe Research

Steve Fleishman
(646) 582-9241
SFleishman@WolfeResearch.com

If you would like to follow-up with any questions, please email us at Utilities@WolfeResearch.

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From: Paz, David
To: Fernandez, Cristine
CC: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Sent: 3/21/2014 1:38:05 PM
Subject: RE: Request for meeting

Cristine,

Hope this email finds you well.

I unfortunately have to cancel my meeting next Tuesday with Commissioner Peterman's advisors, as I am on jury duty in NYC. I apologize for any inconvenience to Ms. Bawa and Ms. Charles. I plan to reapply for a meeting later this spring.

Thanks again for setting up the meeting.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

From: Paz, David
Sent: Tuesday, January 07, 2014 12:17 PM
To: 'Fernandez, Cristine'; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Cristine,

Thank you for the confirmation. I will be in touch as the date approaches for a final confirmation.

Best,
David

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DPaz@WolfeResearch.com
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visit: WolfeResearch.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Tuesday, January 07, 2014 12:13 PM
To: Paz, David; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Good Morning David,

You are scheduled to meet advisors Melicia Charles and Niki Bawa, March 25th at 1:30 p.m., Room 5209.

Cristine Fernandez
Office of Commissioner Carla Peterman
Phone no.: 415-703-3712
Fax no.: 415-703-1294

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From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 11:48 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi Scott,

Thanks for the prompt reply. Yes, please keep my request in mind if Commissioner Peterman's schedule opens up, or if her advisors are available. We will be in the area that week, regardless.

Thanks again,
David

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DPaz@WolfeResearch.com
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From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 2:39 PM
To: Paz, David; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi David,

At this time Commissioner Peterman is not available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:10 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

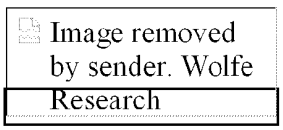
Cristine and Scott,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David



David Paz
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From: Paz, David
To: Brodrick, Amy
CC: Peterson, Rachel A.
Sent: 3/21/2014 1:39:25 PM
Subject: RE: MeetingConfirmation

Amy,

Hope this email finds you well.

I unfortunately have to cancel my meeting next Tuesday with Ms. Peterson, as I am on jury duty in NYC. I apologize for any inconvenience to Ms. Peterson. I plan to reapply for a meeting later this spring.

Thanks again for setting up the meeting.

Best,
David

Wolfe Research

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DPaz@WolfeResearch.com
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visit: WolfeResearch.com

From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Friday, January 10, 2014 6:11 PM
To: Paz, David
Subject: MeetingConfirmation

State of California

Memorandum

Date: January 10, 2014

To: David Paz

From: **Amy Brodrick**
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re: **Meeting Request Dated: January 6, 2014**

This will confirm that your meeting request for the above date has been set for **(March 25, 2014) (11:00 a.m.) (Room 5209)** with **(Rachel Peterson).**

Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. original Meeting Request Form,
please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Tl and we look forward to seeing you at the PUC.

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From: Brodrick, Amy
To: 'Paz, David'
CC: Peterson, Rachel A.
Sent: 3/24/2014 8:45:42 AM
Subject: RE: MeetingConfirmation

Good morning David,
Done...thank you.

Amy Brodrick
Office of Commissioner Michel Florio
California Public Utilities Commission
Phone: (415) 703-2283
Email: ab6@cpuc.ca.gov

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Friday, March 21, 2014 1:39 PM
To: Brodrick, Amy
Cc: Peterson, Rachel A.
Subject: RE: MeetingConfirmation

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David

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From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Friday, January 10, 2014 6:11 PM
To: Paz, David
Subject: MeetingConfirmation

State of California

Memorandum

Date: January 10, 2014

To: David Paz

From: **Amy Brodrick**
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re: **Meeting Request Dated: January 6, 2014**

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From: Steve Fleishman
To: mike.florio@cpuc.ca.gov
Sent: 3/28/2014 2:30:25 AM
Subject: PCG: Not the catalyst we were hoping for

Utilities & Powe

Regulateds – Market Weigh
Integrateds – Market Underweigh
IPPs – Market Overweigh

March 28, 201

PG&E Corp

(PCG US Equity – $ 43.64 – Outperform)

Not the catalyst we were hoping for

Click here to view our complete note [PDF]

Click here to view our PCG US Equity model [XLS]

PCG expecting federal criminal charges related to San Bruno

Late yesterday, PCG disclosed that it expects the US Attorney's Office to file criminal charges against the company in the near future for violations of the Pipeline Safety Act in the aftermath of San Bruno. Discussions broke down and the company disagrees that it knowingly and willfully violated the Act. The state statute of limitations expired last fall (3 years post San Bruno) so we thought PCG had already dodged this bullet. However, the federal statute lasts for five years and it appears they will take action.

More of the same – risk of overhang and another pound of flesh

This news is disappointing as it creates another overhang and fine risk on top of the billions shareholders have already absorbed and the proposed $1.8B San Bruno fine/penalty at the CPUC. Investors may also worry this could further delay the ALJ decision on San Bruno.

Criminal charges sound scary – precedents not so bad

While PCG and San Bruno are arguably unprecedented, we thought it would be helpful to highlight related criminal cases in the energy area as a guide. El Paso killed 12 people in a pipeline accident in 2000 and settled civil charges for $15.5M plus another $87M of spending. Xcel faced criminal charges for a hydro plant fire in 2007 that killed 5 people but won the case in court. Kinder Morgan Energy Partners was convicted in a 2004 petroleum pipeline fire in CA that killed 5 people and paid a $15M fine. BP was criminally charged for the 2005 Texas City refinery fire that killed 15 workers and OSHA sought an $87M fine. Finally, Olympic pipeline was charged for 1999 explosion that killed 3 people and led to a $112M settlement. Given this case history, we would be buyers on weakness.

Read more... [PDF]

Trading and Fundame
Target Price
Current Price
52 Week Range
Market Cap. ($MM)
Share Out. (MM)
Dividend Yield
Dividend Payout Ratio
ROE
Debt to Cap
Avg Daily Vol (ooo)

Price Performance
PCG US Equity
Utility Index
S&P 500

Source: Bloomberg/Wolf

Steven Fleishman
(646) 582-9241
Sfleishman@WolfeRese

David Paz
(646) 582-9242
DPaz@WolfeResearch.

Thanks
Steven

Wolfe Research

Steven Fleishman
(646) 582-9241
Sfleishman@WolfeResearch.com

If you would like to follow–up with any questions, please email us at Utilities@WolfeResearch.com.

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From: Paz, David
To: joan.dahlgren@cpuc.ca.gov
CC: Brodrick, Amy; sepideh.khosrowjah@cpuc.ca.gov
Sent: 3/31/2014 8:13:35 AM
Subject: Meeting Request
Attachments: Florio Mtg Request May 2014.doc

Joan,

I have attached a meeting request form to meet with Commissioner Florio and/or his advisors. I had previously scheduled a meeting but had to cancel it, for which I again apologize. I hope they are available on 5/5/14, as Steve and I will be in San Francisco then.

Thank you for your time, and I look forward to hearing back.

David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Monday, March 24, 2014 11:46 AM
To: Paz, David
Cc: Peterson, Rachel A.
Subject: RE: MeetingConfirmation

Good morning David,
Done...thank you.

Amy Brodrick
Office of Commissioner Michel Florio
California Public Utilities Commission
Phone: (415) 703-2283
Email: ahb@cpuc.ca.gov

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Friday, March 21, 2014 1:39 PM
To: Brodrick, Amy
Cc: Peterson, Rachel A.
Subject: RE: MeetingConfirmation

Amy,

Hope this email finds you well.

I unfortunately have to cancel my meeting next Tuesday with Ms. Peterson, as I am on jury duty in NYC. I apologize for any inconvenience to Ms. Peterson. I plan to reapply for a meeting later this spring.

Thanks again for setting up the meeting.

Best,
David

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DPaz@WolfeResearch.com
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From: Brodrick, Amy [mailto:amy.brodrick@cpuc.ca.gov]
Sent: Friday, January 10, 2014 6:11 PM
To: Paz, David
Subject: MeetingConfirmation

State of California

Memorandum

Date: January 10, 2014

To: David Paz

From: **Amy Brodrick**
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco

Re: **Meeting Request Dated: January 6, 2014**

This will confirm that your meeting request for the above date has been set for **(March 25, 2014) (11:00 a.m.) (Room 5209)** with **(Rachel Peterson).**

Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting.
original Meeting Request Form,
please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Tl
and we look forward to seeing you at the PUC.

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 3/31/14
Party requesting meeting: David Paz (Equity Analyst), Wolfe Research
Docket # and Short Name: NA
Reason for the meeting: Discuss California regulatory environment, safety issues and renewable standards.
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (X)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Steve Fleishman, Equity Analyst, Wolfe Research David Paz, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 5/5/2014
Contact name, Phone, e-mail: David Paz, 646-582-9242, dpaz@wolferesearch.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Paz, David
To:	Fernandez, Cristine; Mosbaugh, Scott (scott.mosbaugh@cpuc.ca.gov)
CC:	jf2@cpuc.ca.gov
Sent:	3/31/2014 8:15:16 AM
Subject:	Request for meeting
Attachments:	Peterman Mtg Request May 2014.doc

Cristine and Scott,

I have attached a meeting request form to meet with Commissioner Peterman and/or her advisors. I had previously scheduled a meeting but had to cancel it, for which I again apologize. I hope they are available on 5/5/14, as Steve and I will be in San Francisco then.

Thank you for your time,

David

Wolfe Research

David Paz
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DPaz@WolfeResearch.com
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visit: WolfeResearch.com

From: Paz, David
Sent: Friday, March 21, 2014 4:38 PM
To: 'Fernandez, Cristine'
Cc: 'Fitch, Julie A.'; 'Bawa, Niki'; 'Charles, Melicia'
Subject: RE: Request for meeting

Cristine,

Hope this email finds you well.

I unfortunately have to cancel my meeting next Tuesday with Commissioner Peterman's advisors, as I am on jury duty in NYC. I apologize for any inconvenience to Ms. Bawa and Ms. Charles. I plan to reapply for a meeting later this spring.

Thanks again for setting up the meeting.

Best,
David

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DPaz@WolfeResearch.com
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From: Paz, David
Sent: Tuesday, January 07, 2014 12:17 PM

To: 'Fernandez, Cristine'; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Cristine,

Thank you for the confirmation. I will be in touch as the date approaches for a final confirmation.

Best,
David

Wolfe Research

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DPaz@WolfeResearch.com
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visit: WolfeResearch.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Tuesday, January 07, 2014 12:13 PM
To: Paz, David; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Good Morning David,

You are scheduled to meet advisors Melicia Charles and Niki Bawa, March 25th at 1:30 p.m., Room 5209.

Cristine Fernandez
Office of Commissioner Carla Peterman
Phone no.: 415-703-3712
Fax no.: 415-703-1294

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From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 11:48 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi Scott,

Thanks for the prompt reply. Yes, please keep my request in mind if Commissioner Peterman's schedule opens up, or if her advisors are available. We will be in the area that week, regardless.

Thanks again,
David

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DPaz@WolfeResearch.com
To see all of our latest updates visit: WolfeResearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 2:39 PM
To: Paz, David; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi David,

At this time Commissioner Peterman is not available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

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Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

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I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

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DPaz@WolfeResearch.com
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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

MEETING REQUEST FORM

Today's Date: 3/31/14
Person and entity requesting meeting: David Paz (Equity Analyst), Wolfe Research
Docket # and Short Name: NA
Reason for the meeting (or short suggested agenda): Discuss California regulatory environment, safety issues and renewable standards.
Industry: Energy (X) Telecommunications ( ) Transportation ( ) Water ( )
Proceeding category: Adjudicatory ( ) Quasi-Legislative ( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Rule 8.3(c)(2) of the Rules of Practice and Procedure requires the party requesting the initial individual meeting in a ratesetting matter to provide a 3-day notice. Please bring a copy of the notice or email one prior to your meeting with Comr. Peterman. Please also provide advisor(s) service of ex-parte notice after meeting takes place, if applicable.
Attendees (name, title, company) : Steve Fleishman, Equity Analyst, Wolfe Research David Paz, Equity Analyst, Wolfe Research
Proposed date/time of meeting: 5/5/2014 In Person (X) By phone ( )
Contact name, phone, e-mail: David Paz, 646-582-9242, dpaz@wolferesearch.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment: Confirmed Date/Time for meeting:

Please note that submission of this form does not guarantee a meeting with Commissioner Peterman or her advisors.

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov

From: Paz, David
To: bnk@cpuc.ca.gov
Sent: 3/31/2014 8:23:32 AM
Subject: Meeting Request
Attachments: Picker Meeting Request May 2014.doc

Juliane,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Picker for 5/5/14. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Michael Picker
Meeting Request Form

Return the completed meeting requests, as follows:

- ☐ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
- ☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
- ☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting: David Paz	**Today's Date**: 3/31/14
2. Reason for meeting (subject, topic, issues): **Discuss California regulatory environment, safety issues and renewable standards.**	
3. Docket or Proceeding # (if applicable) and case name:	
4. List the proposed meeting parameters:	
Proposed meeting date(s) & time(s): 5/5/14	**X In Person** ☐ **By phone**
Proposed staff: ☐ **Comr. Picker*** ☐**Charlotte TerKeurst** ☐**Nick Chaset** ☐**Kenneth Koss** ☐**Christine Hammond**	
5. For meetings with the Commissioner alone (no advisors requested): **If the Commissioner is unavailable:** ☐ Cancel this meeting request X Assign an advisor	
6. Industry: **X Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**	
7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**	
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☐ No	
7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☐ No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.	
8a. Is this a Commission meeting agenda item? ☐ Yes X No ☐ Do not know If yes, specify the anticipated Commission meeting: date: Agenda Item number: **8b.** If no, provide status of proceeding:	

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
David Paz	Wolfe Research	Equity Analyst
Steve Fleishman	Wolfe Research	Equity Analyst

10. List your contact information:		
Contact name: David Paz		**E-mail: dpaz@wolferesearch.com**
Office phone: 646-582-9242	**Cell:**	**Fax No.:**
Office use only:		
MP6 CFT NLC KLK CJH	**Comments:**	**Confirmed date:** **Confirmed time:**

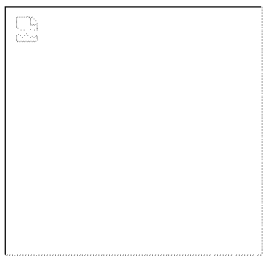
***If meeting with Commissioner Picker, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Picker.***

From: Dahlgren, Joan
To: dpaz@wolferesearch.com
Sent: 4/1/2014 2:31:07 PM
Subject: Mtg_Confirmation_form_for_WolfeResearch__Request_dated_03-31-14

State of California

Memorandum



Date: April 1, 2014

To: David Paz, Wolfe Research
Cc:
From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Meeting Request Dated: 03/31/2014**

This will confirm that your meeting request for the above date has been set for (May 5, 2:00pm) with (Commissioner Florio, Rachel Peterson),(Room 5200—Commissioner Florio's Office). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From:	Steve Fleishman
To:	mike.florio@cpuc.ca.gov
Sent:	4/2/2014 3:47:45 AM
Subject:	PCG: Federal criminal charges filed
Attachments:	PGE_Indictment_01apr14.pdf

PG&E Corp

(PCG US Equity – $ 42.37 – Outperform)

Federal criminal charges filed

Click here to view our complete note [PDF]

Click here to view our PCG US Equity model [XLS]

Criminal charges filed on 12 counts, $500k/count penalty
On 4/1, the US Attorney's Office filed criminal charges against PG&E on twelve counts under the Natural Gas Pipeline Safety Act related to past operations that precipitated the 2010 San Bruno pipeline explosion. Although a penalty was not expressly stated in the filing with the US District Court, the Pipeline Safety Act allows a $500 thousand penalty per violation. The implied total penalty of $6 million is on the low end of the range of that associated with prior federal charges against energy companies in civil proceedings: $15m-115m. We detailed these precedents in our note last week **(link)**.

Overhang of criminal charges remains but manageable; CPUC still key
Since last Thursday, when the company warned federal criminal charges were imminent, PCG stock has been the worst performing regulated utility, as investors saw the charges as another overhang on top of the San Bruno penalty proceedings at the CPUC. Although the criminal charges overhang remains, we believe it is manageable, given the potential size of the associated penalty, which would be incremental to that levied by the CPUC. We continue to assume the CPUC penalty/fine will be $1.8 billion, which would be on top of the $2.7 billion shareholders have spent or committed to spend. An ALJ recommendation is expected this spring, and we believe the risk/reward for PCG stock is skewed to the upside.

Criminal charges related to past practices, San Bruno
Yesterday's federal 12 count indictment against PCG claims the company's past operating practices violated the federal Natural Gas Pipeline Safety Act, specifically related to record keeping, pipeline integrity management and identification of pipeline threats related to San Bruno. The criminal charges carry a higher burden of proof than civil, namely the government must prove the

Trading and Fundame
Target Price
Current Price
52 Week Range
Market Cap. ($MM)
Share Out. (MM)
Dividend Yield
Dividend Payout Ratio
ROE
Debt to Cap
Avg Daily Vol (ooo)

Price Performance
PCG US Equity
Utility Index
S&P 500

Source: Bloomberg/Wolf

Steven Fleishman
(646) 582-9241
Sfleishman@WolfeRese

David Paz
(646) 582-9242
DPaz@WolfeResearch.

company knowingly and willfully violated the Pipeline Safety Act. It is uncertain how long the criminal proceedings against PG&E will last.

Read more... [PDF]

Thanks
Steven

Wolfe Research

Steven Fleishman
(646) 582-9241
Sfleishman@WolfeResearch.com

If you would like to follow–up with any questions, please email us at Utilities@WolfeResearch.com.

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United States District Court

FOR THE
NORTHERN DISTRICT OF CALIFORNIA

VENUE: SAN FRANCISCO

UNITED STATES OF AMERICA,

V.

CR 14 175 TEH

PACIFIC GAS AND ELECTRIC COMPANY

DEFENDANT(S).

INDICTMENT

COUNTS ONE through TWELVE: 49 U.S.C. § 60123 -- Natural Gas Pipeline Safety Act

A true bill.

J Scheer
Foreman

Filed in open court this 1 day of April 2014

KAREN L. [illegible]

JOSEPH C. SPERO
UNITED STATES MAGISTRATE JUDGE
Clerk

Bail, $ Summons

AO 257 (Rev. 6/78)

DEFENDANT INFORMATION RELATIVE TO A CRIMINAL ACTION - IN U.S. DISTRICT COURT

FILED
APR - 1 2014
RICHARD W. WIEKING
CLERK, U.S. DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA

BY: ☐ COMPLAINT ☐ INFORMATION ☑ INDICTMENT ☐ SUPERSEDING

Name of District Court, and/or Judge/Magistrate Location
NORTHERN DISTRICT OF CALIFORNIA

OFFENSE CHARGED

COUNTS ONE through TWELVE - 49 U.S.C. § 60123 – Natural Gas Pipeline Safety Act

☐ Petty ☐ Minor ☐ Misdemeanor ☑ Felony

PENALTY:
$500,000.00 PER COUNT, SPECIAL ASSESSMENT $400.00 PER COUNT

DEFENDANT - U.S.

PACIFIC GAS AND ELECTRIC COMPANY

DISTRICT COURT NUMBER

TEH

CR 14 DEFENDANT 175

PROCEEDING

Name of Complaintant Agency, or Person (&Title, if any)

Zurvohn Maloof, Special Agent, U.S. Department of Transportation

☐ person is awaiting trial in another Federal or State Court, give name of court

☐ this person/proceeding is transferred from another district per (circle one) FRCrP 20, 21 or 40. Show District

☐ this is a reprosecution of charges previously dismissed which were dismissed on motion of: ☐ U.S. Att'y ☐ Defense — SHOW DOCKET NO.

☐ this prosecution relates to a pending case involving this same defendant

☐ prior proceedings or appearance(s) before U.S. Magistrate regarding this defendant were recorded under — MAGISTRATE CASE NO.

Name and Office of Person Furnishing Information on THIS FORM: MELINDA L. HAAG
☑ U.S. Att'y ☐ Other U.S. Agency

Name of Asst. U.S. Att'y (if assigned): STACEY P. GEIS

IS *NOT* IN CUSTODY

1) ☑ Has not been arrested, pending outcome this proceeding. If not detained give date any prior summons was served on above charges

2) ☐ Is a Fugitive

3) ☐ Is on Bail or Release from (show District)

IS IN CUSTODY

4) ☐ On this charge

5) ☐ On another conviction

6) ☐ Awaiting trial on other charges } ☐ Fed'l ☐ State

If answer to (6) is "Yes", show name of Institution

Has detainer been filed? ☐ Yes ☐ No — If "Yes" give date filed

DATE OF ARREST — Month/Day/Year

Or... if Arresting Agency & Warrant were not

DATE TRANSFERRED TO U.S. CUSTODY — Month/Day/Year

☐ This report amends AO 257 previously submitted

ADDITIONAL INFORMATION OR COMMENTS

PROCESS:

☑ SUMMONS ☐ NO PROCESS* ☐ WARRANT Bail Amount:

If Summons, complete following:

☑ Arraignment ☑ Initial Appearance

*Where defendant previously apprehended on complaint, no new summons or warrant needed, since Magistrate has scheduled arraignment

Defendant Address:

Date/Time: April 9, 2014 9 am

Before Judge: Joseph Spero

Comments:

MELINDA HAAG (CABN 132612)
United States Attorney

FILED
APR - 1 2014
RICHARD W. WIEKING
CLERK, U.S. DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA

UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF CALIFORNIA

SAN FRANCISCO DIVISION

TEH

CR 14 175

UNITED STATES OF AMERICA, Plaintiff, v. PACIFIC GAS AND ELECTRIC COMPANY, Defendant.	NO. VIOLATIONS: Failure to Gather and Integrate Relevant Data to Identify All Potential Threats To a Gas Transmission Pipeline (49 U.S.C. § 60123 and 49 C.F.R. § 192.917(b)); Failure to Maintain Certain Repair Records for a Gas Transmission Pipeline (49 U.S.C. § 60123 and 49 C.F.R. § 192.709(a)); Failure to Identify and Evaluate Potential Threats to a Gas Transmission Pipeline (49 U.S.C. § 60123 and 49 C.F.R. § 192.917(a)); Failure to Include All Potential Threats and to Select a Suitable Threat Assessment Method for a Gas Transmission Pipeline (49 U.S.C. § 60123 and 49 C.F.R. § 192.919); Failure to Prioritize a Gas Transmission Pipeline With an Unstable Manufacturing Threat (49 U.S.C. § 60123 and 49 C.F.R. § 192.917(e)(3)); and Failure to Prioritize and Assess a Gas Transmission Pipeline With an Unstable Manufacturing Threat (49 U.S.C. § 60123 and 49 C.F.R. § 192.917(e)(4))

INDICTMENT

The Grand Jury charges:

At all times relevant to this Indictment unless otherwise indicated:

INTRODUCTORY ALLEGATIONS

1. PACIFIC GAS AND ELECTRIC COMPANY ("PG&E") was a California corporation headquartered in San Francisco, California, that provided natural gas and electric services to approximately 15 million customers in Northern and Central California.

2. PG&E was a pipeline operator that provided natural gas to customers through the use of over 6,000 miles of natural gas transmission pipelines and over 40,000 miles of distribution pipelines. Gas transmission pipelines are highly-pressurized, large-diameter lines that carry natural gas to smaller, less pressurized distribution pipelines that bring natural gas into homes, commercial buildings, and other facilities.

3. Line 132 was a high-pressure gas transmission pipeline owned and operated by PG&E in the Northern District of California. Line 132 ran underground from Milpitas, California, to San Francisco, California, passing through the City of San Bruno, California.

4. Line 132 was originally installed in or about and between 1944 and 1948 and consisted of hundreds of individual segments, the majority of which were in suburban or urban areas.

5. On September 9, 2010, at approximately 6:11 p.m., a portion of Line 132 (Segment 180) ruptured in a residential neighborhood of the City of San Bruno (the "San Bruno explosion"). Gas escaping from the rupture ignited, causing a fire that killed eight people and injured 58 others. The fire also damaged 108 homes, 38 of which were completely destroyed.

The Natural Gas Pipeline Safety Act of 1968

6. The Natural Gas Pipeline Safety Act of 1968 ("PSA") established minimum safety standards for pipeline transportation and for pipeline facilities. The purpose of the PSA was to protect against risks to life or property posed by pipeline transportation and pipeline facilities by improving the regulatory and enforcement authority of the Secretary of Transportation.

CPUC06610

7. In 1970, pursuant to Chapter 601 of the PSA, the Secretary of Transportation issued regulations codified in Section 192 of Title 49 of the Code of Federal Regulations, Subparts A through M ("Section 192").

8. In 1979, Congress amended the PSA to add criminal penalties for knowing and willful violations of any regulation or order issued pursuant to Chapter 601 of the PSA. 49 U.S.C. § 60123.

The Gas Transmission Integrity Management Rule and Relevant Regulations

9. Congress amended the PSA by enacting the Pipeline Safety Improvement Act of 2002 ("PSIA"). The Pipeline and Hazardous Materials Safety Administration ("PHMSA") issued the Gas Transmission Integrity Management regulations ("IM regulations"), 49 C.F.R. Part 192, referred to as Subpart O, to implement the requirements of the PSIA. The IM regulations specified how pipeline operators were required to identify, prioritize, assess, evaluate, remediate, and validate the integrity of segments of gas transmission pipelines that could, in the event of leak or failure, affect high-consequence areas ("HCAs"). 49 C.F.R. §§ 192.901-192.949. An HCA is a locale where a release of gas could pose a significant risk of injury or death.

10. The IM regulations required pipeline operators to identify threats on segments of their gas transmission pipelines that operated in HCAs (hereinafter "covered segments"), rank the risk levels of these identified threats, select an assessment method or technology with a proven application capable of assessing the known or potential threats, create deadlines for both the initial and future assessments of these covered segments, and address the threats identified and evaluated through mitigation, remediation, and prevention. 49 C.F.R. §§ 192.907 and 192.921.

Regulations Regarding the Identification of Potential Threats

11. Under the IM regulations, pipeline operators had to identify and evaluate all potential threats to a covered segment. 49 C.F.R. § 192.917(a). The nine major threats to gas transmission pipelines were: third party damage, external corrosion, internal corrosion, stress corrosion cracking, manufacturing threats, construction threats, equipment threats, external factors such as weather and earthquakes, and incorrect operation. 49 C.F.R. § 192.7 (incorporating by reference American Society of Mechanical Engineers ("ASME") B31.8S, 2004).

12. To identify and evaluate all potential threats to each covered segment, pipeline operators

CPUC06611

were required to gather and integrate existing data and information on the entire pipeline that could be relevant to the covered segment. 49 C.F.R. § 192.917(b). Section 192.917(b) required pipeline operators to follow a specific industry standard - ASME B31.8S, section 4 - and, at a minimum, gather and evaluate data for each covered segment and any similar, non-covered segments found in the entire pipeline system, including, but not limited to:

- Past incident history and the root cause analysis of previous threats on the segment, including leak and failure history.
- Records regarding past and ongoing corrosion of the segment.
- Continuous surveillance records regarding any changes along the segment including failures, leaks, and earth movement as well as changes along the segment that might affect its class location.
- Patrolling records regarding third party damage and encroachment threats to the segment.
- Maintenance history including repairs on the segment (pursuant to Section 192.709(a) of Title 49 of the Code of Federal Regulations, each pipeline operator was required to maintain the date, location, and description of each repair made to pipe so long as the pipeline remained in service).
- Records of internal inspections for issues such as internal corrosion, seam welding faults or repairs, and the existence of liquids being trapped or transported in the segment.
- The thickness of the walls of the segment.
- The diameter of the segment.
- The type of seams used along the segment and the corresponding "joint factor" that was used to calculate the initial pressure-carrying capacity of the pipe.
- The manufacturer and date of manufacture of the segment.
- The "depth of cover" or the amount of clearance between the top of the segment and the surface of the ground.
- Construction techniques, including bending or joining methods.
- Material properties, such as specified minimum yield strength ("SMYS").
- The results of any pressure tests conducted on the pipeline containing the segment (pursuant to Section 192.517 of Title 49 of the Code of Federal Regulations, each pipeline operator was required to retain for the useful life of a pipeline a record of each strength pressure test performed under Section 192.505 of Title 49 of the Code of Federal Regulations for each segment of a steel pipeline that was to operate at a hoop stress of 30 percent or more of the SMYS).

- Any pressure fluctuations or records of "cyclic fatigue" or the weakening of a pipeline due to pressure fluctuations on the pipeline containing the segment.
- Normal maximum and minimum operating pressures for the segment.
- Any audits or reviews that identified issues for the segment or made recommendations for mitigation or prevention of those issues.

Baseline Assessment Plan and Assessment Method Regulations

13. The IM regulations required pipeline operators to prepare, no later than December 17, 2004, a Baseline Assessment Plan ("BAP") that identified all of the pipeline operator's covered segments, the known or potential threats to each covered segment, the methods selected to assess the integrity of the pipeline for each covered segment, and deadlines for conducting an initial assessment and re-assessment. 49 C.F.R. § 192.919.

14. Once the known and potential threats were identified on a covered segment, the IM regulations required pipeline operators to assess the integrity of the pipeline in each covered segment by using an assessment method that was capable of addressing the specific identified threats. 49 C.F.R. § 192.921(a). The four assessment methods available to assess whether a covered segment was susceptible to the identified threats were:

(1) Subpart J pressure testing: a method of testing the strength of a pipeline by pressurizing a portion of the pipeline to a specified test pressure and monitoring that portion of the pipeline for leaks or ruptures. The test had to comply with the requirements of Subpart J of Section 192. When the test was performed with a liquid, this method was also known as a "hydrotest" or a "Subpart J hydrotest." 49 C.F.R. § 192.921(a)(2).

i. Starting in 1970, all new gas transmission pipelines had to be pressure tested or hydrotested before being placed into service in order to ensure the pipeline's integrity. Pursuant to Section 192.619 of Title 49 of the Code of Federal Regulations, gas transmission pipelines installed before 1970 that were found to be in "satisfactory condition" were grandfathered in and did not have to be pressure tested or hydrotested unless otherwise required by law.

ii. A pressure test or hydrotest was the only assessment method that could test the strength of a pipeline. Performing a pressure test or hydrotest on a gas transmission pipeline necessitated the expense and inconvenience of taking the pipeline out of service temporarily.

CPUC06613

iii. Pressure testing or hydrotesting assessed the integrity of a pipeline for such potential threats as external damage, external corrosion, internal corrosion, stress corrosion cracking, and manufacturing and construction threats, such as seam defects and seam corrosion.

(2) In-line inspection ("ILI"): a method of examining the internal characteristics of a pipeline by sending a computerized inspection tool, often called a "pig," through the inside of the pipeline. 49 C.F.R. § 192.921(a)(1).

i. Like pressure testing or hydrotesting, ILI assessed the integrity of the pipeline for such potential threats as external damage, external corrosion, internal corrosion, stress corrosion cracking, and manufacturing and construction threats. ILI, however, could not test the actual strength of a pipeline.

(3) Direct assessment ("DA"): a process used to detect the presence of corrosion and assess the potential threat to the integrity of the pipeline. 49 C.F.R. § 192.921(a)(3). The three methods of DA were:

i. External corrosion direct assessment or "ECDA," which tested the outside of pipelines for external corrosion and third party damage using an electrical or magnetic technology above ground and then following up with interspersed excavations to uncover the portions of the pipelines most likely to have external corrosion. Because ECDA only assessed the outside of pipelines, it could not assess the integrity of pipelines for potential internal threats such as manufacturing or construction defects;

ii. Internal corrosion direct assessment ("ICDA"), which tested for corrosion inside the pipeline; and

iii. Stress crack corrosion direct assessment ("SCCDA"), which was only applicable to pipelines operating over 60% of SMYS and thus not applicable in most HCAs.

(4) New Technology: any technology that a pipeline operator demonstrated could provide an understanding of a pipe's condition that was equivalent to the understanding that could be gained using pressure tests or hydrotests, ILI, or DA. Operators could only use a new technology if PHMSA approved its use. 49 C.F.R. § 192.921(a)(4).

//

CPUC06614

Regulations Related to the Prioritization of Manufacturing Threats

15. The IM regulations required operators to prioritize the risk level of covered segments in the BAP. 49 C.F.R. § 192.917(e)(3)(i)-(iii). Operators were required to prioritize covered segments with unstable manufacturing threats as "high risk." Covered segments with manufacturing threats were considered unstable if the operating pressure of the pipeline containing that segment increased above the maximum operating pressure experienced by that segment in the five years before the segment was identified as being in an HCA (the "5-year MOP"), the maximum allowable operating pressure ("MAOP") increased, or the stresses leading to cyclic fatigue increased. 49 C.F.R. § 192.917(e)(3)(i)-(iii).

16. For pipelines with unstable manufacturing threats, operators had to use an assessment method that was capable of evaluating manufacturing threats, such as a hydrotest. 49 C.F.R. § 192.917(e)(3) and (4). ECDA could not be used because ECDA does not assess manufacturing threats. 49 C.F.R. § 192.923(a).

17. Pipeline operators also had to prioritize as high risk and select an assessment method capable of assessing seam integrity and seam corrosion anomalies for covered pipeline segments that contained:

a) low-frequency electric resistance welded ("ERW") pipe;

b) lap welded pipe; or

c) other pipe that satisfies the conditions specified in ASME/ANSI B31.8S, Appxs. A4.3 & A4.4;

and had experienced either:

d) a seam failure; or

e) an increase in operating pressure over the 5-year MOP.

49 C.F.R. § 192.917(e)(4).

Regulations Related to Continuous Evaluation of Covered Pipeline Segments

18. Pipeline operators were required to periodically evaluate the integrity of each covered segment. The periodic evaluation included considering and integrating past and present integrity assessment results, integrating data and assessing risk of the entire pipeline, and reviewing decisions

CPUC06615

regarding remediation, additional prevention, and mitigation actions. Operators were required to use the results from these periodic evaluations to identify the threats specific to each covered segment and the risk represented by these threats. 49 C.F.R. § 192.937.

19. After an initial assessment, pipeline operators had to re-assess their lines using an assessment method capable of assessing a particular threat or combination of threats including new threats, and within a certain time period depending on the results the periodic evaluations, but not to exceed seven years. 49 C.F.R. §§ 192.937 and 192.939.

PG&E's Practices Relating to Gas Transmission Pipelines

A. General Recordkeeping

20. Starting at a time unknown to the grand jury, and continuing until the San Bruno explosion, PG&E learned that it did not have complete data for its gas transmission pipelines due to missing records and errors and omissions in existing records.

21. PG&E received notice of recordkeeping problems through employees, through regulatory agencies including the National Transportation Safety Board and the California Public Utilities Commission, and from third party auditors and consultants.

22. Despite knowledge of these deficiencies, PG&E did not create a recordkeeping system for gas operations that would ensure that pipeline records were accessible, traceable, verifiable, accurate, and complete. PG&E's recordkeeping deficiencies included:

- PG&E did not maintain accurate and complete leak records for its gas transmission pipelines.
- PG&E did not maintain accurate and complete records regarding encroachment of population along gas transmission pipelines.
- PG&E did not maintain repair records for its gas transmission pipelines in a traceable and accessible manner.
- PG&E did not retain or maintain weld maps and weld inspection records for its gas transmission pipelines.
- PG&E did not maintain complete records of the manufacturer of its gas transmission pipelines in service.

CPUC06616

- PG&E did not retain or maintain Subpart J pressure test records for the life of all of its gas transmission pipelines.

- PG&E did not maintain accurate, complete, or accessible "job files," that contained, among other things, pipe specifications, construction records, pressure test records, and purchasing records.

B. Integrity Management Program

23. In the late 1990s, in advance of the enactment of the IM regulations, PG&E created a computer database, called the Geographic Information System (the "GIS database"). PG&E intended that the GIS database would contain information about each natural gas transmission pipeline segment, such as pipe specifications and pressure test data, and would be used to make integrity management decisions.

24. To create the GIS database, PG&E relied on pipeline survey sheets that contained erroneous and incomplete information. In creating the GIS database, PG&E undertook no quality control or quality assurance to ensure the data taken from the pipeline survey sheets was accurate. From GIS's inception, PG&E was aware that the database contained erroneous and incomplete information.

25. PG&E relied on information in the GIS database to make integrity management decisions, including the identification of threats to each covered segment contained in the initial BAP.

C. Threat Identification

26. In identifying and evaluating threats as required by Sections 192.917(a) and (b), PG&E failed to gather and integrate all relevant data for many of its older transmission lines, including, but not limited to:

- past incident history for both covered and non-covered segments, including leaks with unknown causes ("unknown" because PG&E either had no records, or could not or did not locate such records);

- pipeline history for covered and non-covered segments that were greater than one mile away from the covered segments being analyzed for manufacturing and construction threats;
- maintenance history, including repairs;

- accurate and complete pipeline data, including wall thickness, diameter, seam type, manufacturer, and date of manufacture;
- pressure fluctuations;

- validated normal, maximum, and minimum operating pressures;

CPUC06617

- threats created by cyclic fatigue; and
- threats created by internal corrosion.

D. Assessment Method Selection

27. PG&E relied on inaccurate and incomplete records to select assessment methods to assess the integrity of covered segments for known or potential threats as required by Section 192.921(a).

28. In 2004, PG&E created a written policy on compliance with the IM regulations regarding data gathering that instructed PG&E employees to rely on available, verifiable information or "information that c[ould] be obtained in a timely manner."

29. In 2004, PG&E also created a written policy that proscribed, with certain limited exceptions, the use of hydrotesting or pressure testing as an assessment method for assessing the integrity of covered segments. Pursuant to this policy, the only two options (other than a PHMSA-approved new technology) for assessing threats on covered segments were ILI and ECDA. PG&E instituted this policy having determined that, due to economic considerations and the physical attributes of its transmission lines, ILI was not a feasible assessment method for approximately 80% of its transmission lines that were subject to the IM regulations.

30. For the approximately 80% of the gas transmission pipelines where PG&E determined that ILI was not economically or physically feasible, PG&E selected ECDA to assess threats on those pipelines. PG&E chose ILI as an assessment method for the approximately 20% of its remaining natural gas transmission pipelines.

E. Assessment Avoidance on Older Transmission Lines

i. Planned Pressure Increases

31. When the IM regulations went into effect, PG&E knew that thousands of miles of its gas transmission pipelines had never been subjected to a Subpart J pressure test, because the pipelines were installed before 1970 and were grandfathered in or because PG&E had not maintained a record of such a pressure test. As PG&E knew, many of these pipelines had a known or potential manufacturing threat due to their age, manufacturer, and/or history.

32. In order to maintain the then-current operating pressures of these pipelines without having to subject the pipelines to a Subpart J pressure test, PG&E adopted a practice in 2003 called

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"planned pressure increases" ("PPIs"). To conduct a PPI, PG&E intentionally raised the pressure in several old highly-pressurized gas transmission pipelines located in HCAs to the pipelines' maximum allowable operating pressures (MAOP) for two hours. In so doing, PG&E at times exceeded the lines' 5-year MOPs and/or MAOPs. PG&E failed to review the history of the pipelines or verify the accuracy of its data prior to executing the PPIs to determine whether intentionally increasing the pressure on these older pipelines would affect the integrity of the pipeline. PG&E periodically conducted PPIs from 2003 until the San Bruno explosion.

33. PG&E executed PPIs on a number of its high pressure gas transmission pipelines, including lines 132, 101, and 109, all of which had covered segments with manufacturing threats that had never been subject to a Subpart J pressure test or for which records of such a test were not available. From 2002 until the San Bruno explosion, PG&E assessed these pipelines with ECDA.

ii. Unplanned Pressure Increases

34. PG&E was aware that hundreds of covered segments totaling over 80 miles of gas transmission pipelines had never been subject to a Subpart J pressure test and had manufacturing threats that could be considered unstable due to unplanned pressure increases that exceeded the pipelines' respective 5-year MOPs. These covered segments were found on numerous gas transmission pipelines operated by PG&E, including, but not limited to, segments on Lines 132, 153, and DFM 1816-01.

35. Section 192.917(e) required PG&E to prioritize the covered segments with unstable manufacturing threats as high risk and assess them using an assessment method that evaluated the integrity of the covered segment to determine the risk of failure from the unstable manufacturing threats, such as a Subpart J pressure test. For all of these covered segments, despite knowledge of the requirements of Section 192.917(e), PG&E chose not to reprioritize these pipelines as high risk and/or properly assess the integrity of each segment to determine the risk of failure. Instead, PG&E continued to choose ECDA to assess the integrity of these pipelines even though PG&E knew ECDA did not assess unstable manufacturing threats.

36. To avoid having to prioritize these pipelines as "high risk" and properly assess the pipelines for the known threats, PG&E chose only to consider a manufacturing threat unstable if the pressure on the pipeline exceeded the 5-year MOP by 10% or more. PG&E adopted and implemented

CPUC06619

this approach despite knowing since 2004 that PHMSA had issued regulations and additional guidance on those regulations that stated any increase in pressure that went above the 5-year MOP, regardless of amount, destabilized a manufacturing threat and required PG&E to prioritize the pipeline as high risk and to properly assess the pipeline. PG&E maintained this practice until 2011.

F. Line 132

37. When identifying threats on Line 132, and when determining the appropriate assessment technology to use in evaluating those threats, PG&E did not know the thickness of the pipeline walls for approximately 42% of Line 132, either because PG&E did not have records describing wall thickness or it could not or did not access records with this information.

38. PG&E did not know the manufacturer for approximately 80% of the hundreds of segments on Line 132 either because PG&E did not have such records, or could not or did not access such records with this information.

39. PG&E did not know the depth of cover for approximately 80% of Line 132 because PG&E did not have such records, or could not or did not access such records with this information.

40. PG&E used improper yield strength or SMYS values for several segments of pipe on Line 132 with unknown yield strengths.

i. Segment 180

41. Segment 180, the portion of Line 132 that ruptured, was located in an HCA and ran through a densely populated suburban development in the City of San Bruno. Segment 180 consisted of six short lengths or "pups" of 30-inch diameter pipe along with normal lengths of pipe. The date of manufacture of these pups is unknown, but the manufacture date was prior to 1956. The pups were welded together and installed in approximately 1956 in a manner that violated industry standards concerning fabrication of gas transmission pipelines in effect at the time. One or more of the pups had a defective seam weld. The segment, in part due to the defective pup or pups, had a yield strength significantly less than the yield strength that PG&E recorded and relied upon for integrity management purposes.

42. PG&E's records reflected the following for Segment 180:

- The pipe was seamless.

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- The SMYS was 42,000 psi.
- The depth of cover was unknown.
- The manufacturer of the pipe was unknown.
- The manufacture date of the pipe was 1956.
- A pressure test had been performed in 1961.
- The MAOP was 400 psi.

43. In fact, the pipe in Segment 180 was seamed, not seamless. The SMYS was unknown, but measured after the San Bruno explosion at significantly less than 42,000 psi for four of the six pups. The pipe manufacturer date was unknown, but occurred well before 1956. No records of a pressure test existed showing that any pressure test, let alone a Subpart J pressure test, had been performed on Segment 180. Other records in PG&E's files also showed the MAOP for Line 132 as 375 and 390 psi.

44. At no time between installation of the defective pup or pups and the San Bruno explosion did PG&E check or confirm whether its records accurately reflected the data relevant to assessing the integrity of Segment 180, even though PG&E knew that GIS contained incomplete and inaccurate data.

ii. Integrity Management For Line 132

45. PG&E identified segments of Line 132 as being in an HCA in 2002 and began conducting ECDA on Line 132 in 2002. PG&E also conducted ECDA on Line 132 in 2003, 2004, 2006, 2007, 2009, and 2010.

46. In identifying the threats that existed on Line 132 and choosing an assessment method to assess those identified threats, PG&E knowingly relied on erroneous and incomplete information from the GIS database and failed to gather and integrate, among other things, the following data and information:

- Leak data, including the cause of over 30 prior leaks on segments of Line 132; instead PG&E adopted a practice that it would not consider leaks with "unknown" causes when deciding if ECDA was a proper assessment method;
- Industry and PG&E data that showed that double submerged arc weld "DSAW" pipe manufactured by Western Consolidated Steel, which was found on segments of Line 132, including Segment 181, had pipe body and longitudinal seam defect issues;
- A seam weld defect in DSAW pipe that was discovered on a different segment of Line 132, and was similar to pipe on both Segment 180 and Segment 181, and was repaired in

CPUC06621

1988;

- Multiple longitudinal seam cracks found during radiography of girth welds on portions of Line 132 that were constructed in 1948;
- A longitudinal seam weld defect in DSAW pipe discovered on a different segment of Line 132 in 1992 when a tie-in girth weld was radiographed;
- A defective weld found on Segment 186 of Line 132 in 2009. The segment was originally fabricated by Consolidated Western using pipe similar to Segment 180 and Segment 181 and installed in 1948, at or near the time when Segment 180 was originally installed;
- A field girth weld defect found on Segment 189 in 2009. Segment 189 was also originally fabricated by Consolidated Western using DSAW pipe installed in 1948;
- Whether any salvaged or re-used pipe, for which PG&E did not keep records, including manufacturer, dates of use, and history of the pipe, had been used on Line 132;
- Documents related to the design, manufacturer, construction, or testing of Segment 180 when it was relocated in 1956, including whether any salvaged pipe was used;
- Information from the 1956 construction file related to the six pups installed on Segment 180 by PG&E;
- The potential impact of cyclic fatigue or other loading conditions on Line 132 from planned or unplanned pressure fluctuations; and
- Additional construction defects on Line 132.

47. PG&E also knowingly failed to gather and integrate the following relevant data from similar gas transmission pipeline segments as required by 49 C.F.R. § 192.917(b):

- A seam leak in DSAW pipe found on Line 300B in 1958;
- A characterization evaluation of nearby Line 109 girth welds in 1994;
- A Subpart J pressure test failure in 1974 of a seam weld with lack of penetration on DSAW pipe found on Line 300B, and which was similar to DSAW pipe found on Segment 180 and Segment 181;
- Laboratory test reports from 1975 relating to Line 101 girth welds; and,
- Cracking of a seam weld in DSAW pipe in 1996 on Line 109 which paralleled Line 132.

CPUC06622

48. Relying on inaccurate and incomplete information regarding the pipeline attributes and history of Line 132, PG&E knowingly chose ECDA as the assessment method to assess the integrity of covered segments on Line 132, including Segment 180, starting in 2002 and continuing until the San Bruno explosion.

49. In 2003 and again in 2008, as part of PG&E's PPIs, PG&E intentionally raised for a two-hour period the pressure of Line 132 at least 25 psi above the normal operating pressure the pipeline had experienced for decades in order to maintain a current MOP for Line 132 without having to conduct a Subpart J pressure test. PG&E undertook this practice without conducting any review of the pipeline's history, including past leaks and the cause of such leaks, or verification of the pipeline's specifications in order to assess whether intentionally increasing the pressure on Line 132 more than 25 pounds higher than the line had experienced in decades would affect the integrity of the pipeline.

50. On July 23, 2009, Line 132, at a point north of Segment 180, experienced an unplanned pressure increase that exceeded that segment's 5-year MOP. That segment of Line 132 had a known manufacturing threat that was destabilized when the pipeline experienced this pressure increase. Despite knowledge of this pressure excursion and the requirement to properly assess unstable manufacturing threats, PG&E chose to assess that segment of Line 132 in 2009 using ECDA even though PG&E knew that ECDA could not assess unstable manufacturing threats.

THE CHARGES

COUNT ONE: (49 U.S.C. § 60123 – Natural Gas Pipeline Safety Act) [Line 132]

51. The allegations set forth in paragraphs 1-12, 20-26, and 37-50 above are re-alleged and incorporated herein by reference.

52. Starting in or about December 2003, and continuing through on or about September 9, 2010, in the Northern District of California, the defendant,

PACIFIC GAS AND ELECTRIC COMPANY,

by and through the actions of its employees, knowingly and willfully violated a minimum safety standard for pipelines carrying natural gas, as set forth in Title 49, Code of Federal Regulations, Section 192.917(b). Specifically, PACIFIC GAS AND ELECTRIC COMPANY, knowingly and willfully failed to gather and integrate existing data and information on a line, specifically Line

CPUC06623

132, that could be relevant to identifying and evaluating all potential threats on covered segments of that line, all in violation of Title 49, United States Code, Section 60123.

COUNT TWO: (49 U.S.C. § 60123 -- Natural Gas Pipeline Safety Act)

53. The allegations set forth in paragraphs 1-12, 20-26, and 37-47 above are re-alleged and incorporated herein by reference.

54. Starting on a date unknown to the grand jury and continuing until at least on or about September 9, 2010, in the Northern District of California, the defendant,

PACIFIC GAS AND ELECTRIC COMPANY,

by and through the actions of its employees, knowingly and willfully violated a minimum safety standard for pipelines carrying natural gas, as set forth in Title 49, Code of Federal Regulations, Section 192.709(a). Specifically, PACIFIC GAS AND ELECTRIC COMPANY, knowingly and willfully failed to maintain records concerning the date, location, and description of each repair made to a line, specifically Line 132, all in violation of Title 49, United States Code, Section 60123.

COUNTS THREE THROUGH FIVE: (49 U.S.C. § 60123 – Natural Gas Pipeline Safety Act)

55. The allegations set forth in paragraphs 1-12, 18, 19-26, and 37-50 above are re-alleged and incorporated herein by reference.

56. Starting on a date unknown to the grand jury and continuing through on or about the dates set forth in the table below, in the Northern District of California, the defendant,

PACIFIC GAS AND ELECTRIC COMPANY,

by and through the actions of its employees, knowingly and willfully violated a minimum safety standard for pipelines carrying natural gas, as set forth in Title 49, Code of Federal Regulations, Section 192.917(a). Specifically, PACIFIC GAS AND ELECTRIC COMPANY, knowingly and willfully failed to identify and evaluate potential threats to covered segments on the lines set forth below:

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Count	Date	Line
3	January 22, 2010	Line 132
4	January 22, 2010	Line 153
5	January 22, 2010	DFM 1816-01

All in violation of Title 49, United States Code, Section 60123.

COUNTS SIX THROUGH EIGHT: (49 U.S.C. § 60123 -- Natural Gas Pipeline Safety Act)

57. The allegations set forth in paragraphs 1-50 above are re-alleged and incorporated herein by reference.

58. Starting on a date unknown to the grand jury and continuing through on or about the dates set forth in the table below, in the Northern District of California, the defendant,

PACIFIC GAS AND ELECTRIC COMPANY,

by and through the actions of its employees, knowingly and willfully violated a minimum safety standard for pipelines carrying natural gas, as set forth in Title 49, Code of Federal Regulations, Section 192.919. Specifically, PACIFIC GAS AND ELECTRIC COMPANY, knowingly and willfully failed to include in its annual baseline assessment plan all potential threats on a covered segment and failed to select the most suitable assessment method to assess all potential threats on covered segments on the lines set forth below:

Count	Date	Line
6	January 22, 2010	Line 132
7	January 22, 2010	Line 153
8	January 22, 2010	DFM 1816-01

All in violation of Title 49, United States Code, Section 60123.

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CPUC06625

COUNTS NINE THROUGH ELEVEN: (49 U.S.C. § 60123 -- Natural Gas Pipeline Safety Act)

59. The allegations set forth in paragraphs 1-10, 13-19, 27-40, and 49-56 above are re-alleged and incorporated herein by reference.

60. Starting on a date unknown to the grand jury and continuing through on or about the dates set forth in the table below, in the Northern District of California, the defendant,

PACIFIC GAS AND ELECTRIC COMPANY,

by and through the actions of its employees, knowingly and willfully violated a minimum safety standard for pipelines carrying natural gas, as set forth in Title 49, Code of Federal Regulations, Section 192.917(e)(3). Specifically, PACIFIC GAS AND ELECTRIC COMPANY, knowingly and willfully failed to prioritize covered segments of lines as high risk segments for the baseline assessment or a subsequent reassessment, after a changed circumstance rendered manufacturing threats on segments of the lines set forth below unstable:

Count	Date	Line
9	January 22, 2010	Line 132
10	January 22, 2010	Line 153
11	January 22, 2010	DFM 1816-01

All in violation of Title 49, United States Code, Section 60123.

COUNT TWELVE: (49 U.S.C. § 60123 -- Natural Gas Pipeline Safety Act)

61. The allegations set forth in paragraphs 1-10, 13-19, 27-40, and 49-56 above are re-alleged and incorporated herein by reference.

62. Starting on a date unknown to the grand jury, and continuing through January 22, 2010, in the Northern District of California, the defendant,

PACIFIC GAS AND ELECTRIC COMPANY,

by and through the actions of its employees, knowingly and willfully violated a minimum safety standard for pipelines carrying natural gas, as set forth in Title 49, Code of Federal Regulations, Section 192.917(e)(4). Specifically, PACIFIC GAS AND ELECTRIC COMPANY, knowingly and willfully failed to prioritize covered segments of a line, specifically DFM 1816-01, as high risk segments for a baseline assessment or a subsequent reassessment after a changed

CPUC06626

circumstance rendered manufacturing threats on those segments unstable, and failed to analyze covered segments to determine the risk of failure from such manufacturing threats, all in violation of Title 49, United States Code, Section 60123.

DATED: 1, 2014

Foreperson

MELINDA HAAG
United States Attorney

J. DOUGLAS WILSON
Chief, Criminal Division

(Approved as to form:
AUSA GEIS
AUSA BERGER
SAUSA HALBERSTADT
SAUSA MORRIS

CPUC06627

From: Mosbaugh, Scott
To: 'Paz, David'; Fernandez, Cristine
CC: Fitch, Julie A.
Sent: 4/2/2014 11:59:13 AM
Subject: RE: Request for meeting

Hi David,

I got your voicemail. You are confirmed to meet with Melicia Charles and Niki Bawa from 1:30 to 2:00 on May 5th.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, March 31, 2014 8:15 AM
To: Fernandez, Cristine; Mosbaugh, Scott
Cc: Fitch, Julie A.
Subject: Request for meeting

Cristine and Scott,

I have attached a meeting request form to meet with Commissioner Peterman and/or her advisors. I had previously scheduled a meeting but had to cancel it, for which I again apologize. I hope they are available on 5/5/14, as Steve and I will be in San Francisco then.

Thank you for your time,

David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

From: Paz, David
Sent: Friday, March 21, 2014 4:38 PM
To: 'Fernandez, Cristine'
Cc: 'Fitch, Julie A.'; 'Bawa, Niki'; 'Charles, Melicia'
Subject: RE: Request for meeting

Cristine,

Hope this email finds you well.

I unfortunately have to cancel my meeting next Tuesday with Commissioner Peterman's advisors, as I am on jury duty in NYC. I apologize for any inconvenience to Ms. Bawa and Ms. Charles. I plan to reapply for a meeting later this spring.

Thanks again for setting up the meeting.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

From: Paz, David
Sent: Tuesday, January 07, 2014 12:17 PM
To: 'Fernandez, Cristine'; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Cristine,

Thank you for the confirmation. I will be in touch as the date approaches for a final confirmation.

Best,
David

Wolfe Research

David Paz
Utilities and Power Research
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DPaz@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Tuesday, January 07, 2014 12:13 PM
To: Paz, David; Tse, Claire
Cc: Fitch, Julie A.; Bawa, Niki; Charles, Melicia
Subject: RE: Request for meeting

Good Morning David,

You are scheduled to meet advisors Melicia Charles and Niki Bawa, March 25th at 1:30 p.m., Room 5209.

Cristine Fernandez
Office of Commissioner Carla Peterman
Phone no.: 415-703-3712
Fax no.: 415-703-1294

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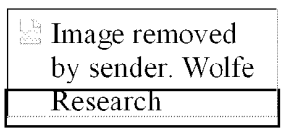
From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 11:48 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi Scott,

Thanks for the prompt reply. Yes, please keep my request in mind if Commissioner Peterman's schedule opens up, or if her advisors are available. We will be in the area that week, regardless.

Thanks again,
David



David Paz
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DPaz@WolfeResearch.com
To see all of our latest updates visit: WolfeResearch.com

From: Mosbaugh, Scott [mailto:scott.mosbaugh@cpuc.ca.gov]
Sent: Monday, January 06, 2014 2:39 PM
To: Paz, David; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: RE: Request for meeting

Hi David,

At this time Commissioner Peterman is not available as she will be out of the office on March 25th. However, we are only about 80% sure she will be out. We won't know with absolute certainty until late February. If you'd like I'll keep your email handy and as soon as we know for certain I'll let you know.

Scott Mosbaugh
Office of Commissioner Carla Peterman
California Public Utilities Commission
505 Van Ness Ave
San Francisco CA 94102
415-703-4435

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, January 06, 2014 7:10 AM
To: Mosbaugh, Scott; Fernandez, Cristine
Cc: Fitch, Julie A.; Tse, Claire
Subject: Request for meeting

Cristine and Scott,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Peterman. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Image removed by sender. Wolfe Research

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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From: Emelo, Josephine
To: 'dpaz@wolferesearch.com'
Sent: 4/2/2014 1:39:48 PM
Subject: RE: Meeting Request

Hi David,
Please call me so I can schedule the meeting w/ Nick Chaset.

Thank you,

Josie E
(415) 703-2531

From: Banks, Juliane
Sent: Wednesday, April 02, 2014 12:05 PM
To: Emelo, Josephine
Subject: FW: Meeting Request

Please schedule with Nick. Thanks!

Juliane
415-703-2284

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, March 31, 2014 8:24 AM
To: Banks, Juliane
Subject: Meeting Request

Juliane,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Picker for 5/5/14. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

Image removed by sender. Wolfe Research

David Paz
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DPaz@WolfeResearch.com
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From: Paz, David
To: Emelo, Josephine
Sent: 4/2/2014 3:04:45 PM
Subject: Re: Meeting Request

Hi Josie,

Thanks for responding. I will call you soon to schedule a time.

Thanks,
David

Wolfe Research

David Paz
Utilities and Power Research
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DPaz@WolfeResearch.com
To see all of our latest updates
visit:WolfeResearch.com

On Apr 2, 2014, at 3:39 PM, "Emelo, Josephine" <josephine.emelo@cpuc.ca.gov> wrote:

Hi David,
Please call me so I can schedule the meeting w/ Nick Chaset.

Thank you,

Josie E
(415) 703-2531

From: Banks, Juliane
Sent: Wednesday, April 02, 2014 12:05 PM
To: Emelo, Josephine
Subject: FW: Meeting Request

Please schedule with Nick. Thanks!

Juliane
415-703-2284

From: Paz, David [mailto:DPaz@wolferesearch.com]
Sent: Monday, March 31, 2014 8:24 AM
To: Banks, Juliane
Subject: Meeting Request

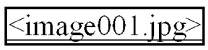
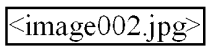
Juliane,

My name is David Paz, and I am with Wolfe Research.

I would like to request a meeting with Commissioner Picker for 5/5/14. Please find the attached Meeting Request Form.

I look forward to hearing back from you. Please let me know if you have any questions.

Best,
David

David Paz
Utilities and Power Research
(646) 582-9242
DPaz@WolfeResearch.com
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From: Fleishman, Steve
To: Clanon, Paul (paul.clanon@cpuc.ca.gov)
Sent: 4/8/2014 5:35:53 AM
Subject: meeting on May 5

Hi Paul

I am going to be at the PUC on May 5. Are you free between 12-2 or 3:45-4:30? Would really like to meet for 30 mins if possible to get an update.

Thanks

Steve Fleishman

Wolfe Research

Steve Fleishman
Managing Director
(646) 582-9241
SFleishman@WolfeResearch.com
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From: Clanon, Paul
To: Fleishman, Steve; Madrigal, Anna-Marie
Sent: 4/8/2014 8:17:26 AM
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

I am going to be at the PUC on May 5. Are you free between 12-2 or 3:45-4:30? Would really like to meet for 30 mins if possible to get an update.

Thanks

Steve Fleishman

Wolfe Research

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From: Madrigal, Anna-Marie
To: Clanon, Paul; Fleishman, Steve
Sent: 4/8/2014 10:37:36 AM
Subject: RE: meeting on May 5

Thank you

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

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Thanks

Steve Fleishman

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From: Madrigal, Anna-Marie
To: Fleishman, Steve
Sent: 4/8/2014 10:38:53 AM
Subject: RE: meeting on May 5

1:30 is open.
Shall I send an appt?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

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Thanks

Steve Fleishman

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From: Fleishman, Steve
To: Madrigal, Anna-Marie
Sent: 4/8/2014 10:43:51 AM
Subject: RE: meeting on May 5

Anna-Marie

Any chance he could do 1pm? I realized our next meeting there starts at 1:45.

Steve

Wolfe Research
Steve Fleishman
Managing Director
(646) 582-9241
SFleishman@WolfeResearch.com
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visit: WolfeResearch.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, April 08, 2014 1:39 PM
To: Fleishman, Steve
Subject: RE: meeting on May 5

1:30 is open.
Shall I send an appt?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

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Thanks

Steve Fleishman

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From: Fleishman, Steve
To: Madrigal, Anna-Marie
Sent: 4/8/2014 10:54:48 AM
Subject: RE: meeting on May 5

If 1pm does not work, we will take 1:30 and try to move the other meeting. Thanks. Steve

Wolfe Research

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SFleishman@WolfeResearch.com
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, April 08, 2014 1:39 PM
To: Fleishman, Steve
Subject: RE: meeting on May 5

1:30 is open.
Shall I send an appt?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

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Hi Paul

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Thanks

Steve Fleishman

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From: Madrigal, Anna-Marie
To: 'Fleishman, Steve'
Sent: 4/8/2014 11:57:43 AM
Subject: RE: meeting on May 5

Yes, I think that will work, hopefully he returns from lunch on time....
Thank you
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Fleishman, Steve [mailto:SFleishman@wolferesearch.com]
Sent: Tuesday, April 08, 2014 10:44 AM
To: Madrigal, Anna-Marie
Subject: RE: meeting on May 5

Anna-Marie

Any chance he could do 1pm? I realized our next meeting there starts at 1:45.

Steve

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Steve Fleishman
Managing Director
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SFleishman@WolfeResearch.com
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visit: WolfeResearch.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, April 08, 2014 1:39 PM
To: Fleishman, Steve
Subject: RE: meeting on May 5

1:30 is open.
Shall I send an appt?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

I am going to be at the PUC on May 5. Are you free between 12-2 or 3:45-4:30? Would really like to meet for 30 mins if possible to get an update.

Thanks

Steve Fleishman

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From: Madrigal, Anna-Marie
To: 'Fleishman, Steve'
Sent: 4/8/2014 11:58:06 AM
Subject: RE: meeting on May 5

No worries, I'm sending a 1pm appt now.
Thank you!
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Fleishman, Steve [mailto:SFleishman@wolferesearch.com]
Sent: Tuesday, April 08, 2014 10:55 AM
To: Madrigal, Anna-Marie
Subject: RE: meeting on May 5

If 1pm does not work, we will take 1:30 and try to move the other meeting. Thanks. Steve

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Steve Fleishman
Managing Director
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SFleishman@WolfeResearch.com
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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, April 08, 2014 1:39 PM
To: Fleishman, Steve
Subject: RE: meeting on May 5

1:30 is open.
Shall I send an appt?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

I am going to be at the PUC on May 5. Are you free between 12-2 or 3:45-4:30? Would really like to meet for 30 mins if possible to get an update.

Thanks

Steve Fleishman

Image removed by sender. Wolfe Research

Steve Fleishman
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From:	Clanon, Paul on behalf of Madrigal, Anna-Marie
To:	Fleishman, Steve (SFleishman@wolferesearch.com); Clanon, Paul
Sent:	4/8/2014 11:58:18 AM
Subject:	Mtg w/ Steve Fleishman
Attachments:	Attachment1

Anna-Marie, pls schedule. Thx.

On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

I am going to be at the PUC on May 5. Are you free between 12-2 or 3:45-4:30? Would really like to meet for 30 mins if possible to get an update.

Thanks

Steve Fleishman

Steve Fleishman
Managing Director
(646) 582-9241
SFleishman@WolfeResearch.com
To see all of our latest updates
visit: WolfeResearch.com

Name: Attachment1

From: Fleishman, Steve
To: Madrigal, Anna-Marie
Sent: 4/8/2014 11:59:29 AM
Subject: RE: meeting on May 5

Yeah! Thanks Anna-Marie – see you in a couple weeks. Steve

Wolfe Research
Steve Fleishman
Managing Director
(646) 582-9241
SFleishman@WolfeResearch.com
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visit: WolfeResearch.com

From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, April 08, 2014 2:58 PM
To: Fleishman, Steve
Subject: RE: meeting on May 5

No worries, I'm sending a 1pm appt now.
Thank you!
Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492
F: 415.703.1356

From: Fleishman, Steve [mailto:SFleishman@wolferesearch.com]
Sent: Tuesday, April 08, 2014 10:55 AM
To: Madrigal, Anna-Marie
Subject: RE: meeting on May 5

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From: Madrigal, Anna-Marie [mailto:anna-marie.madrigal@cpuc.ca.gov]
Sent: Tuesday, April 08, 2014 1:39 PM
To: Fleishman, Steve
Subject: RE: meeting on May 5

1:30 is open.
Shall I send an appt?

Anna-Marie Madrigal
Executive Director's Office
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102
O: 415.703.2492

From: Clanon, Paul
Sent: Tuesday, April 08, 2014 8:17 AM
To: Fleishman, Steve; Madrigal, Anna-Marie
Subject: Re: meeting on May 5

Anna-Marie, pls schedule. Thx.

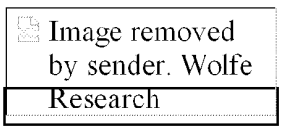
On Apr 8, 2014, at 5:35 AM, "Fleishman, Steve" <SFleishman@wolferesearch.com> wrote:

Hi Paul

I am going to be at the PUC on May 5. Are you free between 12-2 or 3:45-4:30? Would really like to meet for 30 mins if possible to get an update.

Thanks

Steve Fleishman



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From: Prosper, Terrie D.
To: Prosper, Terrie D.
Sent: 10/15/2012 2:10:25 PM
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO PIPELINE EXPLOSION FINES AND REMEDIES

SAN FRANCISCO, October 15, 2012 -- The California Public Utilities Commission (CPUC) today announced the appointment of former U.S. Senator George Mitchell to serve as mediator in ongoing talks aimed at resolving by stipulated agreement a series of enforcement cases against Pacific Gas and Electric Company (PG&E), stemming from the September 2010 explosion of a high-pressure PG&E natural gas pipeline in San Bruno, Calif.

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From:	Prosper, Terrie D.
To:	Hartmann, Daniel M.
CC:	Chow, Christopher
Sent:	10/15/2012 2:11:46 PM
Subject:	Posting
Attachments:	Mediator 101512.docx

Dan please post the attached to:

1) News Room

2) Recent News box here: http://www.cpuc.ca.gov/PUC/events/sanbruno.htm

3) Above the Oct. 5th Item here: http://www.cpuc.ca.gov/PUC/events/sanbruno.htm

4) Above the Oct. 11th item here: http://www.cpuc.ca.gov/PUC/sanbrunoreport.htm

Chris, please print for the book.

Thanks!

****

Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

California Public Utilities Commission
505 Van Ness Ave., San Francisco

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From: Prosper, Terrie D.
To: Kotch, Andrew; Chow, Christopher
Sent: 10/15/2012 2:12:13 PM
Subject: FW: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I sent this out.

From: Prosper, Terrie D.
Sent: Monday, October 15, 2012 2:10 PM
To: Prosper, Terrie D.
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
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California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Burke, Garance
To: 'terrie.prosper@cpuc.ca.gov'
Sent: 10/15/2012 2:13:50 PM
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks, Terrie. Will he only serve through Nov. 1, then?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 05:10 PM
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From:	Hilary
To:	Prosper, Terrie D.
Sent:	10/15/2012 2:20:14 PM
Subject:	Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi, Terrie,

What is Mitchell's fee? And please send a copy of his contract.

Thanks,
-Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

On 10/15/2012 2:10 PM, Prosper, Terrie D. wrote:

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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From: Kotch, Andrew
To: dbulwa@sfchronicle.com
Sent: 10/15/2012 2:33:01 PM
Subject: FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO

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Facebook | Twitter | www.cpuc.ca.gov

Andrew Kotch
Information Officer
California Public Utilities Commission
415-703-1366 (general office)
415-703-1072 (direct)
ako@cpuc.ca.gov

From: Bulwa, Demian
To: Kotch, Andrew
Sent: 10/15/2012 2:42:00 PM
Subject: RE: FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO

Thank you

Demian
-----Original Message-----
From: Kotch, Andrew [mailto:andrew.kotch@cpuc.ca.gov]
Sent: Monday, October 15, 2012 2:33 PM
To: Bulwa, Demian
Subject: FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO

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Andrew Kotch
Information Officer
California Public Utilities Commission
415-703-1366 (general office)
415-703-1072 (direct)
ako@cpuc.ca.gov

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==========

From:	Chow, Christopher
To:	'Anne Mulkern'
Sent:	10/15/2012 5:09:14 PM
Subject:	Background info on San Bruno enforcement cases negotiations

Hi Anne,

Here is some background information related to today's announcement that former U.S. Senator George Mitchell has been appointed to serve as mediator in negotiations to reach a stipulated settlement of three enforcement cases against PG&E resulting from the San Bruno natural gas pipeline explosion in 2010.

On October 5, 2012 the CPUC's Consumer Protection and Safety Division (CPSD) filed a motion to suspend proceedings in these four cases (here is the motion http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M029/K972/29972262.PDF):

1) Setting New Rules for Safe, Reliable Operation of State's Natural Gas Pipelines

On February 24, 2011, the CPUC announced it will set new rules for the safe and reliable operation of natural gas pipelines in California. Proceeding R.11-02-019 encompasses this rulemaking.

2) Penalty Consideration Regarding CPUC Staff Report Alleging PG&E's Violation of Laws and Regulations Led to Pipeline Rupture

The CPUC issued a staff report alleging that PG&E violated state law and various federal and state pipeline safety regulations and accepted industry standards, leading to the September 9, 2010, pipeline rupture. The CPUC's Commissioners voted unanimously on Jan. 12, 2012, to immediately open a penalty consideration (I.12-01-007) case to examine the report and, as appropriate, consider proper penalties and remedies for such violations.

3) Penalty Consideration Regarding PG&E Gas Pipeline Recordkeeping

The CPUC has started a penalty consideration phase into whether PG&E's gas transmission pipeline recordkeeping was unsafe, whether it violated the law, and if so whether deficient PG&E recordkeeping caused or contributed to the pipeline rupture in San Bruno on Sept. 9, 2010. Proceeding I.11-02-016 encompasses this investigation.

4) Penalty Consideration Regarding Pipeline Classification

Nov. 10, 2011: CPUC Begins Penalty Consideration Case Regarding Alleged PG&E Pipeline Classification Violations (I.11-11-009).

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On October 10, 2012, the Division of Ratepayer Advocates, an independent division within the CPUC, issued its response to CPSD's motion of October 5:

Here is DRA's position opposing CPSD's motion to suspend the hearings while settlement negotiations continue (issued on October 10, 2012): http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M030/K329/30329522.PDF

Some Excerpts:

"The timing and substance of this motion, which was filed at the direction of the Commission's General Counsel, raise grave concerns. First we address our concerns about suspending the Rulemaking, then the Enforcement Cases. …

"For the Administrative Law Judge to grant suspension at the request of a non-party would violate the due process rights of the active parties to the Safety Rulemaking, who submitted testimony and completed hearings and briefing on PG&E's pipeline safety plan (and shareholder cost responsibility) several months ago.

"The hearings on the Enforcement Cases are nearly completed. Only two more weeks, perhaps less, are needed to complete hearings in the San Bruno Investigation, and only one witness remains to be cross-examined in the Recordkeeping Investigation. Several PG&E witnesses who have not yet testified were scheduled to be cross-examined under oath this week and next. Given the limited amount of hearing time remaining, why does CPSD seek to suspend all further process in these proceedings? And why now, and with such extreme urgency? It is common for parties, including DRA, to jointly request a suspension or a stay of the litigation schedule when they have reached a settlement in principle, or at least have reason to believe that they are getting close to that point. Here, a settlement in principle has not been reached, and of all the parties engaged in settlement negotiations, only PG&E has supported CPSD's motion.

…

"As DRA stated at the hearing on CPSD's motion on October 8th, in these cases there is a particularly strong public interest in getting the evidence into the record. That record development is not inconsistent with settlement. Several PG&E witnesses have yet to testify under oath, and the hearings are only two weeks from completion. At this late juncture, they should be cut short only for a very good reason. CPSD has not offered one."

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On October 11, 2012, the ALJs Wetzell and Yip-Kikugawa granted CPSD's motion in part to suspend the hearings in the 3 investigation cases, in order to focus on settlement negotiations with PG&E, but not in the rulemaking case. Here is the ruling http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M030/K326/30326114.PDF

Some excerpts from the ruling:

"On October 5, 2012, the Consumer Protection and Safety Division (CPSD) filed a motion in Investigation (**I.) 12-01-007**, **I.11-02-016**, **I.11-11-009**, and Rulemaking **(R.) 11-02-019** requesting suspension of all procedural dates and activities in all four of these dockets in order to facilitate good-faith negotiations among the parties toward a stipulated outcome. We grant CPSD's motion in part and deny it in part as set forth in the discussion below.…

"In summary, we suspend the schedule for evidentiary hearings and briefing until November 1, 2012 to enable the parties to engage fully in negotiations. Because, as CPSD's motion states, there is no guarantee that a negotiated solution will emerge, this ruling provides for the resumption of evidentiary hearings and briefing after November 1, 2012. "

--

Christopher Chow, Public Information Officer
California Public Utilities Commission
(415) 703-2234 - Direct
(415) 238-9940 - Cell

From: Tiffany Yasus
To: Prosper, Terrie D.
Sent: 10/15/2012 5:24:52 PM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks for the email. What state is former US Sen. Mitchell from?

Tiffany Yasus
Capitol Morning Report
916-443-5883
morningreport@capitolmr.com
tiffany@capitolmr.com

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 2:10 PM
To: Prosper, Terrie D.
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO PIPELINE EXPLOSION FINES AND REMEDIES

SAN FRANCISCO, October 15, 2012 -- The California Public Utilities Commission (CPUC) today announced the appointment of former U.S. Senator George Mitchell to serve as mediator in ongoing talks aimed at resolving by stipulated agreement a series of enforcement cases against Pacific Gas and Electric Company (PG&E), stemming from the September 2010 explosion of a high-pressure PG&E natural gas pipeline in San Bruno, Calif.

Senator Mitchell is known, among other things, for his role as the U.S. Special Envoy for Northern Ireland, where he brokered the landmark Good Friday Peace Treaty in April 1998, and more recently as President Obama's Special Envoy to the Middle East. He was nominated for the Nobel Peace Prize for his success in the Northern Ireland peace process. He is the chairman emeritus of DLA Piper LLP (US), an international law firm, and he will be assisted by lawyers from that firm in his role as mediator.

"We are very grateful to Senator Mitchell for agreeing to devote his skills as mediator to this difficult and painful series of cases," said CPUC President Michael R. Peevey. "We are confident Senator Mitchell can help achieve a solution that will resolve these cases sooner rather than later, bring justice to the good people of San Bruno, and move California forward to our goal of a much safer natural gas system."

Commissioner Mike Florio also applauded the appointment of Senator Mitchell, describing him as "a truly world-class mediator and peace-maker."

Senator Mitchell will serve as mediator in ongoing negotiations between PG&E, the CPUC's safety enforcement staff, and other parties to the proceedings. The other parties include the City of San Bruno, the City and County of San Francisco, the CPUC's Division of Ratepayer Advocates, and ratepayer advocacy group The Utility Reform Network (TURN). The parties to the mediation will be asked to sign a mediation agreement confirming their participation and giving their consent for Senator Mitchell's law firm to provide these mediation services.

In their report and testimony in the enforcement cases, the CPUC's safety staff allege that PG&E committed significant violations of pipeline safety rules, which staff claim contributed to the blast. The National Transportation Safety Board also

found many deficiencies in PG&E's operations and its slow response to the explosion on the evening of September 9, 2010. PG&E faces the prospect of millions of dollars in fines in the CPUC proceedings, and other remedies.

"I encourage all of the parties to make a good-faith effort at a negotiated solution, working with Senator Mitchell," said Commissioner Florio. "This is the most expeditious way to resolve these cases and bring closure to the people of San Bruno. More than two years have passed since the tragedy. The evidence is all in, and the time has come to resolve these cases once and for all."

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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From: Prosper, Terrie D.
To: 'tiffany@capitolmr.com'
Sent: 10/15/2012 5:42:13 PM
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

He's from Maine.

Terrie

From: Tiffany Yasus [mailto:tiffany@capitolmr.com]
Sent: Monday, October 15, 2012 05:24 PM Pacific Standard Time
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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From: Anne Mulkern
To: Chow, Christopher
Sent: 10/15/2012 6:35:31 PM
Subject: FW: TURN press stmt on San Bruno Mediation

Have you seen this? Can you or anyone there tell me how the mediator was selected. Any reaction to this?

Thanks

From: Mindy Spatt, Communications Director [mailto:mspatt@turn.org]
Sent: Monday, October 15, 2012 7:55 PM
To: Anne Mulkern
Subject: TURN press stmt on San Bruno Mediation

Hi Anne,
Will call you shortly, here's our statement:

San Bruno Mediation: BACKROOM DEAL SHUTS OUT CONSUMERS

Contact: Mindy Spatt, TURN, 415.929.8876 ext. 306

Monday, Oct. 15, 2012 , San Francisco--TURN said today that the California Public Utilities Commission's appointment of Senator George Mitchell as mediator in the San Bruno cases was a back room deal that even parties to the case were shut out of. Rather than choose a mediator, or choose the mediation process, TURN and other parties were told today mediation would be imposed, and that a mediator had been chosen without their input or consent. Senator Mitchell's firm, DLA Piper, has a long list of corporate clients including Southern California Edison (which CPUC President Mike Peevey formerly headed) and Sempra Energy, the parent corporation of Southern California Gas Company and San Diego Gas & Electric.

"A mediator should be chosen by the parties, not imposed by the CPUC," said TURN executive director Mark Toney. "Without any input from consumer advocates or other parties to the proceeding, this appears to be a backroom deal that could be a set up for a worse backroom deal. The Commission has turned a deaf ear to the public's demands for transparency."

Toney said that a closed-door process did not inspire confidence in the CPUC's process. "Consumers want the CPUC to stand up for them and hold PG&E accountable, not broker a deal behind closed doors," he said.

--

Mindy Spatt
Communications Director
The Utility Reform Network
(415) 929-8876 ext. 306
http://turn.org

TURN
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- Follow TURN on Twitter
- Subscribe to TURN's YouTube Channel

115 Sansome Street, 9th Floor
San Francisco, CA 94104
415 929 8876 phone | 415 929 1132 fax

From: Chow, Christopher
To: 'amulkern@eenews.net'
Sent: 10/15/2012 7:11:14 PM
Subject: Re: TURN press stmt on San Bruno Mediation

I will check with my director.

¥Chris

From: Anne Mulkern [mailto:amulkern@eenews.net]
Sent: Monday, October 15, 2012 06:35 PM Pacific Standard Time
To: Chow, Christopher
Subject: FW: TURN press stmt on San Bruno Mediation

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- Follow TURN's photo stream on Flickr
- Follow TURN on Twitter
- Subscribe to TURN's YouTube Channel

115 Sansome Street, 9th Floor
San Francisco, CA 94104
415 929 8876 phone | 415 929 1132 fax

From: Burke, Garance
To: 'terrie.prosper@cpuc.ca.gov'
Sent: 10/16/2012 9:54:51 AM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
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Garance

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Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 05:10 PM
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Director, News and Public Information Office
California Public Utilities Commission
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From: Prosper, Terrie D.
To: 'gburke@ap.org'
Sent: 10/16/2012 10:01:47 AM
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I will let him know you are interested in speaking with him. I don't know the answer to your other question. I will have to check.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Tuesday, October 16, 2012 09:54 AM Pacific Standard Time
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From: Hilary
To: Prosper, Terrie D.
Sent: 10/16/2012 10:20:42 AM
Subject: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi, Terrie,

A few more questions, in addition to the two questions from the note below:

Who decided on bringing in Mitchell?
Why was a mediator sought?
Were any other mediators considered?
Why not use the commission's regular alternative dispute resolution process?
Does contracting Mitchell as mediator require a commission vote?

Thanks,
--Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

-------- Original Message --------
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Mon, 15 Oct 2012 14:20:14 -0700
From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

Hi, Terrie,

What is Mitchell's fee? And please send a copy of his contract.

Thanks,
-Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

On 10/15/2012 2:10 PM, Prosper, Terrie D. wrote:
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Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From:	Burke, Garance
To:	Prosper, Terrie D.
Sent:	10/16/2012 10:24:31 AM
Subject:	RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks, Terrie. I appreciate it. We would of course be honored to speak with him and look forward to hearing back from you as soon as you can about whether an in-person interview would work, or some other setting.

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, October 16, 2012 10:02 AM
To: Burke, Garance
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I will let him know you are interested in speaking with him. I don't know the answer to your other question. I will have to check.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Tuesday, October 16, 2012 09:54 AM Pacific Standard Time
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
I'm doubling back to request an interview with former Sen. George Mitchell. Also, just to be clear, will he only serve through Nov. 1?
Thanks in advance,
Garance

From: Burke, Garance
Sent: Monday, October 15, 2012 2:14 PM
To: 'terrie.prosper@cpuc.ca.gov'
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks, Terrie. Will he only serve through Nov. 1, then?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 05:10 PM
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO PIPELINE EXPLOSION FINES AND REMEDIES

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[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From: Hilary
To: Prosper, Terrie D.
Sent: 10/16/2012 12:08:36 PM
Subject: Fwd: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi, Terrie, one more question to add to the list below:

Who first proposed Mitchell's name?

Thanks again,
--Hilary

-------- Original Message --------
Subject: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Tue, 16 Oct 2012 10:20:42 -0700
From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

Hi, Terrie,

A few more questions, in addition to the two questions from the note below:

Who decided on bringing in Mitchell?
Why was a mediator sought?
Were any other mediators considered?
Why not use the commission's regular alternative dispute resolution process?
Does contracting Mitchell as mediator require a commission vote?

Thanks,
--Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

-------- Original Message --------
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Mon, 15 Oct 2012 14:20:14 -0700
From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

Hi, Terrie,

What is Mitchell's fee? And please send a copy of his contract.

Thanks,
-Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

On 10/15/2012 2:10 PM, Prosper, Terrie D. wrote:

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Kotch, Andrew
To: pmatier@sfchronicle.com
Sent: 10/16/2012 1:23:27 PM
Subject: CPUC - Mitchell selection

Phil,

Regarding your inquiry about George Mitchell;

The two Assigned Commissioners in these dockets (President Peevey and Commissioner Florio) conferred and made the selection of Senator Mitchell as mediator.

The CPUC selected Senator Mitchell because he is a world-renowned mediator.

PG&E was not a part of the decision process.

Andrew Kotch
Information Officer
California Public Utilities Commission
415-703-1366 (general office)
415-703-1072 (direct)
ako@cpuc.ca.gov

From: Prosper, Terrie D.
To: Hilary
Sent: 10/16/2012 2:28:15 PM
Subject: RE: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hilary,
The two Assigned Commissioners in these dockets (President Peevey and Commissioner Florio) conferred and made the selection of Senator Mitchell as mediator in the hope that he can work with the parties to achieve a solution that will resolve the cases sooner rather than later.
I do not know if other mediators, including in-house, were considered.

Senator Mitchell's role as mediator does not require a vote of the Commissioners.

I'll send the contract to you once I have it.

Terrie

From: Hilary [mailto:hilary@newsdata.com]
Sent: Tuesday, October 16, 2012 10:21 AM
To: Prosper, Terrie D.
Subject: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi, Terrie,

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Thanks,
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California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

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Date: Mon, 15 Oct 2012 14:20:14 -0700
From: Hilary <hilary@newsdata.com>
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FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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From: Hilary
To: Prosper, Terrie D.
Sent: 10/16/2012 4:34:01 PM
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks.

Can you please line up a time for me to speak with Paul Clanon briefly about this. I'm available anytime this evening or Wednesday. Thursday's pushing it for our deadline, but is possible. Thanks very much,

--Hilary

I had also asked:

Who proposed Mitchell

On 10/16/2012 2:28 PM, Prosper, Terrie D. wrote:
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California Energy Markets
Hilary Corrigan

415-963-4439 ext. 14

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Date: Mon, 15 Oct 2012 14:20:14 -0700
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To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

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FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Seay, Stephanie
To: christopher.chow@cpuc.ca.gov
Sent: 10/17/2012 8:22:48 AM
Subject: Filing to protest mediator appointment

Hello Christopher,

I understand the DRA may be joining other parties in a protest of the appointment of Senator Mitchell as mediator to the San Bruno settlement talks.

May I receive an emailed copy of this filing if it is indeed submitted to the CPUC today?

Does DRA have any comment on the Mitchell appointment, or on the move to suspend San Bruno-related penalty/enforcement proceedings for a month in order to facilitate settlement negotations?

Thanks,
-- Stephanie Seay
Platts Gas Daily

Stephanie Seay
Senior Editor
Platts Gas Daily
The McGraw-Hill Companies
Voice 865/690-4319
Fax 865/690-0933
Email stephanie_seay@platts.com

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From: Burke, Garance
To: Prosper, Terrie D.
Sent: 10/17/2012 9:02:33 AM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
Just checking in again about the timing of Sen. Mitchell's appointment – when is it set to begin and end?
Also, given this new configuration, how would his mediation work intersect with the ALJ's judicial authority? Would he be able to make a decision on a proposed settlement without ALJ approval? Or would an ALJ necessarily need to approve any settlement he brokered?
I'm on deadline for this morning.
Thanks in advance,
Garance

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, October 16, 2012 10:02 AM
To: Burke, Garance
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

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dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify The Associated Press immediately by telephone at +1-212-621-1898 and delete this email. Thank you.
[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From: Hilary
To: Prosper, Terrie D.
Sent: 10/17/2012 9:23:26 AM
Subject: Fwd: Fwd: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi, Terrie, still waiting on answers to:

Who first proposed Mitchell as mediator?
How much is his payment?

Also, does the fact that PG&E's shareholders will fund Mitchell's work raise any concern at the commission about bias?

Thanks,
--Hilary

-------- Original Message --------
Subject: Fwd: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Tue, 16 Oct 2012 12:08:36 -0700
From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

Hi, Terrie, one more question to add to the list below:

Who first proposed Mitchell's name?

Thanks again,
--Hilary

-------- Original Message --------
Subject: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Tue, 16 Oct 2012 10:20:42 -0700
From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

Hi, Terrie,

A few more questions, in addition to the two questions from the note below:

Who decided on bringing in Mitchell?
Why was a mediator sought?
Were any other mediators considered?
Why not use the commission's regular alternative dispute resolution process?
Does contracting Mitchell as mediator require a commission vote?

Thanks,
--Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

-------- Original Message --------
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Mon, 15 Oct 2012 14:20:14 -0700
From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

Hi, Terrie,

What is Mitchell's fee? And please send a copy of his contract.

Thanks,
-Hilary

California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

On 10/15/2012 2:10 PM, Prosper, Terrie D. wrote:
FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO PIPELINE EXPLOSION FINES AND REMEDIES

SAN FRANCISCO, October 15, 2012 -- The California Public Utilities Commission (CPUC) today announced the appointment of former U.S. Senator George Mitchell to serve as mediator in ongoing talks aimed at resolving by stipulated agreement a series of enforcement cases against Pacific Gas and Electric Company (PG&E), stemming from the September 2010 explosion of a high-pressure PG&E natural gas pipeline in San Bruno, Calif.

Senator Mitchell is known, among other things, for his role as the U.S. Special Envoy for Northern Ireland, where he brokered the landmark Good Friday Peace Treaty in April 1998, and more recently as President Obama's Special Envoy to the Middle East. He was nominated for the Nobel Peace Prize for his success in the Northern Ireland peace process. He is the chairman emeritus of DLA Piper LLP (US), an international law firm, and he will be assisted by lawyers from that firm in his role as mediator.

"We are very grateful to Senator Mitchell for agreeing to devote his skills as mediator to this difficult and painful series of cases," said CPUC President Michael R. Peevey. "We are confident Senator Mitchell can help achieve a solution that will resolve these cases sooner rather than later, bring justice to the good people of San Bruno, and move California forward to our goal of a much safer natural gas system."

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Hilary
To: Prosper, Terrie D.
Sent: 10/17/2012 9:26:03 AM
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi, Terrie, you mentioned you'd send the contract when you have it. Do you know when that will be? Does the commission have a copy of the contract?

Thanks,
--Hilary

On 10/16/2012 2:28 PM, Prosper, Terrie D. wrote:
Hilary,
The two Assigned Commissioners in these dockets (President Peevey and Commissioner Florio) conferred and made the selection of Senator Mitchell as mediator in the hope that he can work with the parties to achieve a solution that will resolve the cases sooner rather than later.
I do not know if other mediators, including in-house, were considered.

Senator Mitchell's role as mediator does not require a vote of the Commissioners.

I'll send the contract to you once I have it.

Terrie

From: Hilary [mailto:hilary@newsdata.com]
Sent: Tuesday, October 16, 2012 10:21 AM
To: Prosper, Terrie D.
Subject: Fwd: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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California Energy Markets
Hilary Corrigan
415-963-4439 ext. 14

-------- Original Message --------
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release
Date: Mon, 15 Oct 2012 14:20:14 -0700

From: Hilary <hilary@newsdata.com>
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>

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Hilary Corrigan
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FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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"I encourage all of the parties to make a good-faith effort at a negotiated solution, working with Senator Mitchell," said Commissioner Florio. "This is the most expeditious way to resolve these cases and bring closure to the people of San

Bruno. More than two years have passed since the tragedy. The evidence is all in, and the time has come to resolve these cases once and for all."

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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From: Prosper, Terrie D.
To: Burke, Garance
Sent: 10/17/2012 11:12:38 AM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I don't know that his contact has an end date. I will send it to you as soon as I have it.

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From: Burke, Garance [mailto:gburke@ap.org]
Sent: Wednesday, October 17, 2012 9:03 AM
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
Just checking in again about the timing of Sen. Mitchell's appointment – when is it set to begin and end?
Also, given this new configuration, how would his mediation work intersect with the ALJ's judicial authority? Would he be able to make a decision on a proposed settlement without ALJ approval? Or would an ALJ necessarily need to approve any settlement he brokered?
I'm on deadline for this morning.
Thanks in advance,
Garance

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, October 16, 2012 10:02 AM
To: Burke, Garance
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I will let him know you are interested in speaking with him. I don't know the answer to your other question. I will have to check.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Tuesday, October 16, 2012 09:54 AM Pacific Standard Time
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Garance

From: Burke, Garance
Sent: Monday, October 15, 2012 2:14 PM
To: 'terrie.prosper@cpuc.ca.gov'
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Sent: Monday, October 15, 2012 05:10 PM
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Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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From: Burke, Garance
To: Prosper, Terrie D.
Sent: 10/17/2012 11:41:58 AM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks for getting back to me, Terrie. Here are a few follow up questions:
--Can you please forward me a copy of the contract retaining DLA Piper and Sen. Mitchell?
--Also, is it correct that PG&E is paying the mediators' bills, as part of the overall cost of the San Bruno proceeding? How much will the mediators be paid? What are the terms or guidelines for their contact with the parties?
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, October 17, 2012 11:13 AM
To: Burke, Garance
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From: Seay, Stephanie
To: Prosper, Terrie D.
Sent: 10/17/2012 12:02:56 PM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie, we did a day one story on this, and are now following up on the letter given to the CPUC today from TURN, DRA, and cities of San Bruno and San Francisco. Does the PUC or any of the commissioners have any response to that letter? One other question – whose idea was it originally to hire Mitchell, was that first proposed by someone at the CPUC or at PG&E?

Thanks,
Stephanie

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 5:10 PM
To: Prosper, Terrie D.
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Senator Mitchell is known, among other things, for his role as the U.S. Special Envoy for Northern Ireland, where he brokered the landmark Good Friday Peace Treaty in April 1998, and more recently as President Obama's Special Envoy to the Middle East. He was nominated for the Nobel Peace Prize for his success in the Northern Ireland peace process. He is the chairman emeritus of DLA Piper LLP (US), an international law firm, and he will be assisted by lawyers from that firm in his role as mediator.

"We are very grateful to Senator Mitchell for agreeing to devote his skills as mediator to this difficult and painful series of cases," said CPUC President Michael R. Peevey. "We are confident Senator Mitchell can help achieve a solution that will resolve these cases sooner rather than later, bring justice to the good people of San Bruno, and move California forward to our goal of a much safer natural gas system."

Commissioner Mike Florio also applauded the appointment of Senator Mitchell, describing him as "a truly world-class mediator and peace-maker."

Senator Mitchell will serve as mediator in ongoing negotiations between PG&E, the CPUC's safety enforcement staff, and other parties to the proceedings. The other parties include the City of San Bruno, the City and County of San Francisco, the CPUC's Division of Ratepayer Advocates, and ratepayer advocacy group The Utility Reform Network (TURN). The parties to the mediation will be asked to sign a mediation agreement confirming their participation and giving their consent for Senator Mitchell's law firm to provide these mediation services.

In their report and testimony in the enforcement cases, the CPUC's safety staff allege that PG&E committed significant violations of pipeline safety rules, which staff claim contributed to the blast. The National Transportation Safety Board also found many deficiencies in PG&E's operations and its slow response to the explosion on the evening of September 9, 2010. PG&E faces the prospect of millions of dollars in fines in the CPUC proceedings, and other remedies.

"I encourage all of the parties to make a good-faith effort at a negotiated solution, working with Senator Mitchell," said Commissioner Florio. "This is the most expeditious way to resolve these cases and bring closure to the people of San Bruno. More than two years have passed since the tragedy. The evidence is all in, and the time has come to resolve these cases once and for all."

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California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

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From: Prosper, Terrie D.
To: pmatier@sfchronicle.com
Sent: 10/17/2012 12:27:44 PM
Subject: Your call to the CPUC - Talk?

Hi Phil,

Long time, no talk – hope you are doing well! I know you called us yesterday and Andy Kotch gave you some information regarding the CPUC's selection of former U.S. Senator Mitchell as mediator in the PG&E San Bruno pipeline rupture cases. I am wondering if you are interested in speaking with our General Counsel, Frank Lindh, about the issue?

Thanks!

Terrie

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
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From:	Matier, Phil
To:	Kotch, Andrew
Sent:	10/17/2012 4:03:30 PM
Subject:	andrew- will be doing report on matter for KCBS this evening - can you reach me at 415-760-1395

-----Original Message-----
From: Kotch, Andrew [mailto:andrew.kotch@cpuc.ca.gov]
Sent: Tuesday, October 16, 2012 1:23 PM
To: Matier, Phil
Subject: CPUC - Mitchell selection

Phil,

Regarding your inquiry about George Mitchell;

The two Assigned Commissioners in these dockets (President Peevey and Commissioner Florio) conferred and made the selection of Senator Mitchell as mediator.

The CPUC selected Senator Mitchell because he is a world-renowned mediator.

PG&E was not a part of the decision process.

Andrew Kotch
Information Officer
California Public Utilities Commission
415-703-1366 (general office)
415-703-1072 (direct)
ako@cpuc.ca.gov

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This e-mail message is intended only for the personal
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an intended recipient, you may not review, copy or
distribute this message.

If you have received this communication in error, please
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From:	Burke, Garance
To:	Prosper, Terrie D.
CC:	ako@cpuc.ca.gov
Sent:	10/18/2012 4:04:16 PM
Subject:	RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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To:	Prosper, Terrie D.
CC:	ako@cpuc.ca.gov
Sent:	10/19/2012 9:04:07 AM
Subject:	RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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SAN FRANCISCO, October 15, 2012 -- The California Public Utilities Commission (CPUC) today announced the appointment of former U.S. Senator George Mitchell to serve as mediator in ongoing talks aimed at resolving by stipulated agreement a series of enforcement cases against Pacific Gas and Electric Company (PG&E), stemming from the September 2010 explosion of a high-pressure PG&E natural gas pipeline in San Bruno, Calif.

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"We are very grateful to Senator Mitchell for agreeing to devote his skills as mediator to this difficult and painful series of cases," said CPUC President Michael R. Peevey. "We are confident Senator Mitchell can help achieve a solution that will resolve these cases sooner rather than later, bring justice to the good people of San Bruno, and move California forward to our goal of a much safer natural gas system."

Commissioner Mike Florio also applauded the appointment of Senator Mitchell, describing him as "a truly world-class mediator and peace-maker."

Senator Mitchell will serve as mediator in ongoing negotiations between PG&E, the CPUC's safety enforcement staff, and other parties to the proceedings. The other parties include the City of San Bruno, the City and County of San Francisco, the CPUC's Division of Ratepayer Advocates, and ratepayer advocacy group The Utility Reform Network (TURN). The parties to the mediation will be asked to sign a mediation agreement confirming their participation and giving their consent for Senator Mitchell's law firm to provide these mediation services.

In their report and testimony in the enforcement cases, the CPUC's safety staff allege that PG&E committed significant violations of pipeline safety rules, which staff claim contributed to the blast. The National Transportation Safety Board also found many deficiencies in PG&E's operations and its slow response to the explosion on the evening of September 9, 2010. PG&E faces the prospect of millions of dollars in fines in the CPUC proceedings, and other remedies.

"I encourage all of the parties to make a good-faith effort at a negotiated solution, working with Senator Mitchell," said Commissioner Florio. "This is the most expeditious way to resolve these cases and bring closure to the people of San Bruno. More than two years have passed since the tragedy. The evidence is all in, and the time has come to resolve these cases once and for all."

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For more information on the CPUC, please visit www.cpuc.ca.gov.

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California Public Utilities Commission
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[IP_US_DISC]

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From: Burke, Garance
To: Prosper, Terrie D.
CC: ako@cpuc.ca.gov
Sent: 10/19/2012 2:57:56 PM
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Friday, October 19, 2012 2:51 PM
To: Burke, Garance
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Terrie

From: Burke, Garance [gburke@ap.org]
Sent: Friday, October 19, 2012 9:04 AM
To: Prosper, Terrie D.
Cc: Kotch, Andrew
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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From:	Burke, Garance
To:	Prosper, Terrie D.
CC:	ako@cpuc.ca.gov
Sent:	10/22/2012 12:41:10 PM
Subject:	RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
I completely understand that you are all quite busy but would really appreciate hearing back from you today about the two questions below, pending from Wednesday:
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?
In addition, San Bruno survivors held a press conference today calling for President Peevey to be replaced.
--Does the CPUC have a comment on this petition they have launched asking for Gov. Brown to replace President Peevey?
Thanks in advance for your help,
Garance

From: Burke, Garance
Sent: Friday, October 19, 2012 2:58 PM
To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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From: Chow, Christopher
To: Prosper, Terrie D.
Sent: 10/24/2012 10:57:18 AM
Subject: Sen. Mitchell's appointment

Chad Woodworth of the Energy Daily is writing a story about the appointment of former U.S. Senator George Mitchell to mediate the San Bruno settlement talks. He has heard that parties and members of the public have called for rescinding his appointment.

Question: Is the CPUC re-considering his appointment as mediator? Does the CPUC have any comment on the matter?

D/L: today

Contact reporter at: 703-236-2471, e-m: Chad.Woodworth@IHS.com

Chris

Christopher Chow, Public Information Officer
California Public Utilities Commission
(415) 703-2234 - Direct
(415) 238-9940 - Cell

From: Como, Joe
To: Seay, Stephanie
Sent: 10/24/2012 8:01:01 PM
Subject: RE: Letter to Commissioners
Attachments: Letter to Sen Mitchell re mediation-final.pdf

See attached.

From: Seay, Stephanie [Stephanie_Seay@platts.com]
Sent: Wednesday, October 24, 2012 9:05 AM
To: Como, Joe
Subject: RE: Letter to Commissioners

Hi Joe,
Would you be able to forward the latest letter sent to the CPUC yesterday, citing DLA Piper's conflict of interest regarding the insurance company it represents?
Thank you,
-- Stephanie

From: Como, Joe [mailto:joe.como@cpuc.ca.gov]
Sent: Wednesday, October 17, 2012 3:05 PM
To: Seay, Stephanie
Subject: Letter to Commissioners

Stephanie,

See the attached letter. This was delivered today.

Joe Como
Director, DRA
California Public Utilities Commission
415-703-2381 voice
415-703-2057 facsimile
joe.como@cpuc.ca.gov
www.dra.ca.gov/dra/

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October 23, 2012

Senator George J. Mitchell
John J. Clarke, Jr.
Charles P. Scheeler
DLA Piper LLP
1251 Avenue of the Americas
New York, New York 10020-1104

Re: DLA Piper Mediation of San Bruno Explosion Cases

Dear Senator Mitchell and Mssrs. Clarke and Scheeler:

We, the City of San Bruno, the City and County of San Francisco, The Utility Reform Network, and the California Public Utilities Commission's (CPUC) Division of Ratepayer Advocates, write to express our grave concern regarding DLA Piper attorneys serving as mediators for negotiations related to the San Bruno Explosion-Related Proceedings.[1]

As you know, last Thursday, in order to gather information and not for purposes of accepting the CPUC management's unilateral designation of DLA Piper as mediator, we met with Mssrs. Clarke and Scheeler to discuss issues related to DLA Piper's role in any potential mediation regarding these proceedings. Those issues included potential conflicts of interest that may call into question DLA Piper's ability to "maintain impartiality toward all participants in the mediation process at all times."[2]

While we have great respect for you, Senator Mitchell, and for the DLA Piper firm, we were deeply concerned to learn that DLA Piper represents a large insurance carrier that potentially may be required to pay costs incurred by Pacific Gas and Electric Company (PG&E) related to the San Bruno explosion. As the outcome of the four CPUC proceedings could affect PG&E's insurance claims arising from civil litigation, this representation is incompatible with DLA Piper's duty of impartiality as mediator in this matter.

[1] Order Instituting Rulemaking 11-02-019; Order Instituting Investigation 12-01-007; Order Instituting Investigation 11-02-016; Order Instituting Investigation 11-11-009.
[2] Cal. Rule of Court § 3.855(a).

At last Thursday's meeting, we also learned that DLA Piper attorneys have already received confidential information regarding the negotiation positions of the parties. Your receipt of such highly sensitive confidential information was a breach of the Confidentiality Agreement signed by each of the negotiating parties, including the four undersigned parties, at the start of the negotiations. That Agreement specifically provided that none of the contents of the settlement discussions was to be disclosed to any person outside the negotiations "without the consent of all Parties."[3] DLA Piper attorneys are not parties to the negotiation and the four undersigned parties have not consented to allow you to receive confidential settlement information. Consequently, you should neither have been offered, nor should you have accepted,[4] any information from any party regarding the negotiation positions of the parties. Furthermore, *until we give our consent, you should not accept any additional information from any party that relates to any of the confidential settlement discussions and communications that have occurred to date*.

DLA Piper's representation of an insurance carrier with an interest in the outcome of litigation related to the San Bruno explosion and your receipt of sensitive confidential information in violation of the Confidentiality Agreement raise serious questions about your ability to mediate these negotiations with the unquestioned impartiality that these matters require. As you know, there is extraordinary public interest in these cases, and there has been significant editorial outcry about the fact that you were imposed as mediators without any of the undersigned parties even being consulted.[5]

Senator Mitchell, you have had great success as a mediator and understand better than anyone that the process has the best chance for success if all parties agree in advance both to mediation itself and to the mediator. Speaking plainly, the CPUC management has completely botched any chance of securing public confidence in a DLA Piper mediation by unilaterally imposing DLA Piper as mediator without even

[3] Confidentiality Agreement among the City of San Bruno, the City and County of San Francisco, The Utility Reform Network, CPUC Division of Ratepayer Advocates, CPUC Consumer Protection and Safety Division, and PG&E, paragraph 3 (emphasis added).

[4] We recognize that, had you known about the Confidentiality Agreement, you likely would not have accepted any confidential information without the consent of all parties. This should lead you to ask why you were never informed about such an important agreement.

[5] See attached editorials: "PUC Shouldn't Need a Mediator to Do Its Job," *Mercury News*, 10/18/12; "California PUC Dodges Its Job," *SF Chronicle*, 10/19/2012; "PG&E Hearings Can't Be Hidden Behind Mediation," *SF Examiner*, 10/21/12.

asking the opinion of four of the six negotiating parties. We are confident that there are other qualified mediators who are not conflicted and could mediate these negotiations *with the consent of all parties*.

For all of these reasons and for the sake of promoting public confidence in the fairness of these CPUC proceedings, we respectfully call on DLA Piper to decline to serve as mediator for these negotiations.

Sincerely,

/s/
City of San Bruno
Connie Jackson, City Manager

/s/
City and County of San Francisco
Theresa L. Mueller, Deputy City Attorney

/s/
The Utility Reform Network
Thomas J. Long, Legal Director

/s/
Division of Ratepayer Advocates
Joseph P. Como, Acting Director

Cc: President Peevey
Commissioner Ferron
Commissioner Florio
Commissioner Sandoval
Commissioner Simon
Michelle Cooke, CPSD
Joseph Malkin, Orrick (PG&E)

MercuryNews.com

Mercury News editorial: PUC shouldn't need a mediator to do its job

Mercury News Editorial

Posted: 10/18/2012 04:23:51 PM PDT
Updated: 10/18/2012 06:49:24 PM PDT

Garbage in, garbage out. That's what Californians have come to expect from the state Public Utilities Commission's utter failure to regulate PG&E. This week just brought further confirmation.

With perhaps as much as $5 billion in ratepayer money at stake, the PUC, in an outrageous backroom deal, first ended public hearings and then announced it had appointed former U.S. Sen. George Mitchell to mediate private talks over how much the utility should pay toward preventing another San Bruno tragedy. Guess all that public scrutiny was getting a little uncomfortable.

We've said it before, we'll say it again: PUC board President Michael Peevey has to go. His cozy relationship with PG&E puts the PUC in the untenable position of being unable to do its job.

The PUC announced the Mitchell appointment Monday. Handled differently, this might have been OK. Mitchell is widely respected for his negotiating skills. But get this: Mitchell's firm previously worked for Southern California Edison, the utility Peevey once headed.

That roar you hear is the last remnant of trust in the PUC going up in flames, like the several city blocks of San Bruno that were incinerated, along with eight people, in 2010 when a PG&E pipeline exploded.

A blue-ribbon panel last year blistered both PG&E and the PUC's culture and practices, demanding that they "confront and change elements of their respective cultures to assure the citizens of California that public safety is the foremost priority." Another wasted report sitting on a shelf, apparently.

Assemblyman Jerry Hill, whose district includes San Bruno, and Mark Toney, the executive director of The Utility Reform Network (TURN), are outraged. So is San Bruno Mayor Jim Ruane. As an injured party in the conflict, San Bruno should have had a say in whether to hire a mediator and, if so, whom. Why not, for example, someone like former state Sen. Byron Sher, the longtime Stanford law professor whose expertise on energy issues is widely respected? There are any number of similarly qualified Northern Californians.

The need for public trust in these proceedings is paramount. PG&E's attorneys are arguing that its captive customers should pay for 85 percent of the safety work that's now needed because the utility skimped on it earlier to drive up profits. It's the PUC's job to decide how the whopping $5 billion bill will be split between shareholders and ratepayers. Getting Mitchell to take the fall won't work.

The PUC should reopen hearings, with all the involved parties, to decide in public whether a mediator is needed and if so, who it should be.

And, as we've been saying for the past 15 months, Gov. Jerry Brown really needs to get Peevey's resignation.

SFGate

California PUC dodges its job

Updated 7:19 p.m., Friday, October 19, 2012

Rene Morales and Assemblyman Jerry Hill after speaking a the Public Utilities Commission meeting.

Photo: Lea Suzuki, The Chronicle / SF

State regulators have found a way to make the San Bruno pipeline nightmare even worse. After halting public comment on looming fines, the Public Utilities Commission wants to farm the dispute out to a private mediator - a decision that's left the public in the lurch.

This move essentially caps public input and awareness of an important process. It relieves the state PUC of its direct responsibility to set fines that could range beyond $2 billion. It underscores once again the agency's inept handling of the pipeline explosion.

The decision to go to a mediator comes with qualifiers. The mediator will be a giant, worldwide law firm, DLA Piper, whose chairman emeritus is former Sen. George Mitchell. His public service is exemplary: 15 years in the Senate, four years fashioning peace in Northern Ireland, a report on steroids in baseball that led to tougher testing, and two years as President Obama's Mideast peace envoy.

It's a glittering resume, but Mitchell's remarkable accomplishments aren't the point. By taking the unusual course of hiring a mediator, the PUC is admitting it doesn't have the credibility to handle the job itself. It's giving up on its basic duty to sanction dangerous pipeline operations.

There are other problems. The hiring of Mitchell's firm was done with the assent of Pacific Gas and Electric Co., which negligently operated the pipeline. But other parties such as the cities of San Bruno and San Francisco and consumer watchdogs were left out. It was a one-sided decision that ignored the very people harmed by the explosion. In addition DLA Piper has worked on other PUC-regulated utilities, links that cast doubt on its independence.

This decision process makes it clear what has happened. The PUC, with its credibility already in shambles from its inept oversight of the pipeline, rushed to find a prominent outsider to shoulder the burden. A code of silence was invoked to contain word of the decision until it took place. The state agency can now sit back, bask in the glow of distinguished statesman, and let the outside mediator do the heavy lifting.

It's been nearly two years since the disaster killed eight and destroyed 38 homes in a San Bruno neighborhood that believed an underground gas line was operated safely and overseen by a dutiful state agency.

Clearly it's time to end the inquiry and move forward. Earlier this month the PUC shut down public hearings and moved to closed-door negotiations due to run until Nov. 1. That decision was bad enough since it closed off outside observation.

At issue now are fines that may range from $200 million to $2.5 billion, a gulf that illustrates how far apart the many sides are. In addition, PG&E wants rate increases to pay for pipeline upgrades elsewhere in its network.

It's the PUC's job to take on this work and to make its decisions in public. It's doubly important to do this in a way that convinces a skeptical public that vigilant and fair-minded regulators are at work. The record shows that the agency is falling far short of its duty.

Read more: http://www.sfgate.com/opinion/editorials/article/California-PUC-dodges-its-job-3965615.php#ixzz2A95DbzjH

The Examiner
sfexaminer.com

PG&E hearings can't be hidden behind mediation

By: SF Examiner Editorial | 10/21/12 8:20 PM

SF Examiner Editorial

Regulatory agencies established to watch over public utilities often become too close with the companies they oversee. The latest example of such cozy relations involves the ongoing investigations into the deadly San Bruno blast and the conduct of the power company behind that tragedy, PG&E.

On the evening of Sept. 9, 2010, a PG&E natural-gas transmission line exploded. The blast and subsequent conflagration killed eight people and destroyed dozens of homes. A blue-ribbon task force eventually blamed the utility for the blast, and the California Public Utilities Commission — the regulatory body that oversees such utilities — launched a series of investigative hearings into the blast, PG&E's record keeping and the way the company labels its gas lines.

Then the commission turned its back on the public and the idea of openness. First, its Consumer Protection Safety Division, in coordination with PG&E, asked judges to halt these public hearings. That request was granted by an administrative law judge Oct. 12. Then, a few days later, the CPUC announced that it had appointed former U.S. Sen. George Mitchell to mediate between PG&E and various other parties about potential fines against the utility.

In and of itself, the selection of the distinguished Mitchell could have been a decent choice, given that his negotiating skills include such monumental accomplishments as negotiating the peace treaty in Northern Ireland.

But the parties to these negotiations — including San Bruno, San Francisco and The Utility Reform Network — had no say in the mediator's appointment. And some of these parties have pointed out that Mitchell is the chairman of DLA Piper, a law firm that represents Southern California Edison, the Los Angeles-area power company and a company that CPUC President Michael Peevey once headed.

In a letter to the commission, San Bruno, San Francisco, The Utility Reform Network and the state's own Division of Ratepayer Advocates all have called for Mitchell to be removed as negotiator. We agree with their assessment.

While Mitchell's selection might well have been appropriate if handled in an above-board manner, it's hard to accomplish the goals of mediation if more than half the parties to the proceedings are not treated with respect.

It also is unclear why the CPUC's public hearings were halted in the first place, as the negotiations didn't appear to be deadlocked — a time when a mediator is typically called in. And consider that some of these hearings were designed to review the transparency of PG&E's record keeping and pipeline labeling. Conducting a hearing about openness behind closed doors is counterintuitive and wrongheaded.

What the public needs is for the commission to set aside its cozy relationship with PG&E and to investigate the San Bruno blast in a fair and transparent manner. If the commission continues to operate in this manner, perhaps the next hearing should occur in Sacramento and consider the performance of the agency itself. The people deserve a watchdog from the CPUC, but recent events suggest that too often they have a lapdog.

Read more at the San Francisco Examiner:
http://www.sfexaminer.com/opinion/editorials/2012/10/pge-hearings-can-t-be-hidden-behind-mediation#ixzz2A95yOrcP

From:	Burke, Garance
To:	Prosper, Terrie D.
CC:	ako@cpuc.ca.gov
Sent:	10/25/2012 4:33:24 PM
Subject:	RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie and Andy,
I understand there may be some immediate changes to the status of DLA Piper/Sen. Mitchell mediation.
I understand Sen. Mitchell has rejected the assignment from the CPUC because there was not a unanimous approval of his appointment as mediator in the San Bruno proceedings. I understand that the CPUC may also ask PG&E to either put a settlement offer on the table or rejoin the proceedings.
Can you please give me a call at 415 495 1708 as soon as possible to provide me with an update as to the status? I am on a very tight deadline.
Thanks in advance,
Garance

From: Burke, Garance
Sent: Monday, October 22, 2012 12:41 PM
To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
I completely understand that you are all quite busy but would really appreciate hearing back from you today about the two questions below, pending from Wednesday:
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?
In addition, San Bruno survivors held a press conference today calling for President Peevey to be replaced.
--Does the CPUC have a comment on this petition they have launched asking for Gov. Brown to replace President Peevey?
Thanks in advance for your help,
Garance

From: Burke, Garance
Sent: Friday, October 19, 2012 2:58 PM
To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks, Terrie. I appreciate it. Two more questions pending:
Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Friday, October 19, 2012 2:51 PM
To: Burke, Garance
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I will send you the contract once I have it. I do not have it yet. Re: costs, the CPUC previously ordered PG&E to fund all the costs of the San Bruno investigation from shareholders, and not to pass any of the costs along to ratepayers. The costs of

Senator Mitchell's services will be paid in this same manner.

Terrie

From: Burke, Garance [gburke@ap.org]
Sent: Friday, October 19, 2012 9:04 AM
To: Prosper, Terrie D.
Cc: Kotch, Andrew
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie and Andy,
I'm following up again to ask for answers to the below questions from Wednesday.
Thanks in advance,
Garance

From: Burke, Garance
Sent: Thursday, October 18, 2012 4:04 PM
To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie and Andy,
I'm following up about the below outstanding questions from yesterday:

--Can you please forward me a copy of the contract retaining DLA Piper and Sen. Mitchell?
--Also, is it correct that PG&E is paying the mediators' bills, as part of the overall cost of the San Bruno proceeding? How much will the mediators be paid? What are the terms or guidelines for their contact with the parties?
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

Can you please get back to me as soon as possible?
Many thanks for your help,
Garance

From: Burke, Garance
Sent: Wednesday, October 17, 2012 11:42 AM
To: 'Prosper, Terrie D.'
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks for getting back to me, Terrie. Here are a few follow up questions:
--Can you please forward me a copy of the contract retaining DLA Piper and Sen. Mitchell?
--Also, is it correct that PG&E is paying the mediators' bills, as part of the overall cost of the San Bruno proceeding? How much will the mediators be paid? What are the terms or guidelines for their contact with the parties?
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, October 17, 2012 11:13 AM
To: Burke, Garance
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I don't know that his contact has an end date. I will send it to you as soon as I have it.

As the press release says, any stipulation the parties might agree to in the mediation process must be publicly filed with the CPUC, and considered by the CPUC's five Commissioners in public after an opportunity for public review and comment. If a stipulation is reached, it would be filed with the CPUC for review and a vote of the Commissioners.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Wednesday, October 17, 2012 9:03 AM
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
Just checking in again about the timing of Sen. Mitchell's appointment – when is it set to begin and end?
Also, given this new configuration, how would his mediation work intersect with the ALJ's judicial authority? Would he be able to make a decision on a proposed settlement without ALJ approval? Or would an ALJ necessarily need to approve any settlement he brokered?
I'm on deadline for this morning.
Thanks in advance,
Garance

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, October 16, 2012 10:02 AM
To: Burke, Garance
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I will let him know you are interested in speaking with him. I don't know the answer to your other question. I will have to check.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Tuesday, October 16, 2012 09:54 AM Pacific Standard Time
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
I'm doubling back to request an interview with former Sen. George Mitchell. Also, just to be clear, will he only serve through Nov. 1?
Thanks in advance,
Garance

From: Burke, Garance
Sent: Monday, October 15, 2012 2:14 PM
To: 'terrie.prosper@cpuc.ca.gov'
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks, Terrie. Will he only serve through Nov. 1, then?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 05:10 PM
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO PIPELINE EXPLOSION FINES AND REMEDIES

SAN FRANCISCO, October 15, 2012 -- The California Public Utilities Commission (CPUC) today announced the appointment of former U.S. Senator George Mitchell to serve as mediator in ongoing talks aimed at resolving by stipulated agreement a series of enforcement cases against Pacific Gas and Electric Company (PG&E), stemming from the September 2010 explosion of a high-pressure PG&E natural gas pipeline in San Bruno, Calif.

Senator Mitchell is known, among other things, for his role as the U.S. Special Envoy for Northern Ireland, where he brokered the landmark Good Friday Peace Treaty in April 1998, and more recently as President Obama's Special Envoy to the Middle East. He was nominated for the Nobel Peace Prize for his success in the Northern Ireland peace process. He is the chairman emeritus of DLA Piper LLP (US), an international law firm, and he will be assisted by lawyers from that firm in his role as mediator.

"We are very grateful to Senator Mitchell for agreeing to devote his skills as mediator to this difficult and painful series of cases," said CPUC President Michael R. Peevey. "We are confident Senator Mitchell can help achieve a solution that will resolve these cases sooner rather than later, bring justice to the good people of San Bruno, and move California forward to our goal of a much safer natural gas system."

Commissioner Mike Florio also applauded the appointment of Senator Mitchell, describing him as "a truly world-class mediator and peace-maker."

Senator Mitchell will serve as mediator in ongoing negotiations between PG&E, the CPUC's safety enforcement staff, and other parties to the proceedings. The other parties include the City of San Bruno, the City and County of San Francisco, the CPUC's Division of Ratepayer Advocates, and ratepayer advocacy group The Utility Reform Network (TURN). The parties to the mediation will be asked to sign a mediation agreement confirming their participation and giving their consent for Senator Mitchell's law firm to provide these mediation services.

In their report and testimony in the enforcement cases, the CPUC's safety staff allege that PG&E committed significant violations of pipeline safety rules, which staff claim contributed to the blast. The National Transportation Safety Board also found many deficiencies in PG&E's operations and its slow response to the explosion on the evening of September 9, 2010. PG&E faces the prospect of millions of dollars in fines in the CPUC proceedings, and other remedies.

"I encourage all of the parties to make a good-faith effort at a negotiated solution, working with Senator Mitchell," said Commissioner Florio. "This is the most expeditious way to resolve these cases and bring closure to the people of San Bruno. More than two years have passed since the tragedy. The evidence is all in, and the time has come to resolve these cases once and for all."

The CPUC's rules require that any stipulation the parties might agree to in the mediation process must be publicly filed with the CPUC, and considered by the CPUC's five Commissioners in public after an opportunity for public review and comment.

The CPUC previously ordered PG&E to fund all the costs of the San Bruno investigation from shareholders, and not to pass any of the costs along to ratepayers. The costs of Senator Mitchell's services will be paid in this same manner.

For more information on the CPUC, please visit www.cpuc.ca.gov.

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

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[IP_US_DISC]

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From: Chow, Christopher
To: Prosper, Terrie D.
Sent: 10/25/2012 9:36:39 PM
Subject: Ex-senator backs out of San Bruno talks

Ex-senator backs out of San Bruno talks

Jaxon Van Derbeken
Updated 6:25 p.m., Thursday, October 25, 2012

(10-25) 18:22 PDT SAN BRUNO -- Former Sen. George Mitchell and his law firm have offered to withdraw as mediator in talks over how much Pacific Gas and Electric Co. should be fined for the San Bruno pipeline explosion after the city and consumer watchdog groups voiced their opposition, officials said Thursday.

San Bruno and San Francisco officials, joined by advocates for PG&E customers, had denounced the California Public Utilities Commission's "unilateral" selection of Mitchell's law firm, DLA Piper, to broker a deal over regulatory penalties for the September 2010 disaster. City officials and consumer groups said the law firm represents an insurance carrier for PG&E, which they called a conflict of interest.

"Sen. Mitchell did the right thing by telling the parties that he wouldn't mediate without all the parties agreeing," said San Bruno City Manager Connie Jackson, who is involved in the talks. "We are very pleased and looking forward getting back to direct negotiations with PG&E."

Tom Long, who is involved in the talks for the consumer group The Utility Reform Network, said, "It appears that Sen. Mitchell and his firm, DLA Piper, made a wise decision."

Jackson and Long said utilities commission officials had told them that they would convey their continued opposition to DLA Piper, thus making the firm's withdrawal official.

PG&E and utilities commission officials had no comment about the withdrawal offer, and DLA Piper did not respond to calls seeking comment. Todd Burke, spokesman for the utility, said PG&E will continue to take part in the talks, regardless of whether there is a mediator.

The negotiations have stalled over how much PG&E should be fined for the explosion, which killed eight people, as well as for events leading up to it and the utility's poor natural-gas system record-keeping. PG&E has said it expects to be fined around $200 million, but other parties are believed to be holding out for as much as $2.5 billion.

Mitchell's appointment came as a shock to the cities and consumer groups because mediators are typically selected with the agreement of all the parties involved. The parties said that although they respected Mitchell, who served as mediator in talks over Northern Ireland, the utilities commission's leadership had bungled his appointment by not consulting them.

Read more: http://www.sfgate.com/bayarea/article/Ex-senator-backs-out-of-San-Bruno-talks-3982697.php#ixzz2ANPZxNAB

Christopher Chow, Information Officer
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue, San Francisco, CA 94102
415-703-2234 (desk) 415-238-9940 (cell)
crs@cpuc.ca.gov

From:	Burke, Garance
To:	Prosper, Terrie D.
CC:	ako@cpuc.ca.gov; Chow, Christopher <christopher.chow@cpuc.ca.gov> (christopher.chow@cpuc.ca.gov)
Sent:	10/26/2012 8:36:17 AM
Subject:	RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie, Chris and Andy,
I'm reaching out again to inquire about the current status of DLA Piper and Sen. Mitchell's involvement in the California Public Utilities Commission proceeding about the San Bruno pipeline explosion. I would appreciate hearing back from you as soon as possible this morning as I am on a very tight deadline.
Thanks in advance,
Garance

From: Burke, Garance
Sent: Thursday, October 25, 2012 4:33 PM
To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie and Andy,
I understand there may be some immediate changes to the status of DLA Piper/Sen. Mitchell mediation.
I understand Sen. Mitchell has rejected the assignment from the CPUC because there was not a unanimous approval of his appointment as mediator in the San Bruno proceedings. I understand that the CPUC may also ask PG&E to either put a settlement offer on the table or rejoin the proceedings.
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To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Thanks in advance for your help,
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To: 'Prosper, Terrie D.'
Cc: ako@cpuc.ca.gov
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline

Thanks, Terrie. I appreciate it. Two more questions pending:
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From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Friday, October 19, 2012 2:51 PM
To: Burke, Garance
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

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Terrie

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Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie and Andy,
I'm following up about the below outstanding questions from yesterday:

--Can you please forward me a copy of the contract retaining DLA Piper and Sen. Mitchell?
--Also, is it correct that PG&E is paying the mediators' bills, as part of the overall cost of the San Bruno proceeding? How much will the mediators be paid? What are the terms or guidelines for their contact with the parties?
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

Can you please get back to me as soon as possible?
Many thanks for your help,
Garance

From: Burke, Garance
Sent: Wednesday, October 17, 2012 11:42 AM
To: 'Prosper, Terrie D.'
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks for getting back to me, Terrie. Here are a few follow up questions:
--Can you please forward me a copy of the contract retaining DLA Piper and Sen. Mitchell?
--Also, is it correct that PG&E is paying the mediators' bills, as part of the overall cost of the San Bruno proceeding? How much will the mediators be paid? What are the terms or guidelines for their contact with the parties?
--Is it correct that both President Peevey and Commissioner Florio appointed Mitchell?
--And finally, why was PG&E notified last week, before any of the other parties to the proceeding?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Wednesday, October 17, 2012 11:13 AM
To: Burke, Garance
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I don't know that his contact has an end date. I will send it to you as soon as I have it.

As the press release says, any stipulation the parties might agree to in the mediation process must be publicly filed with the CPUC, and considered by the CPUC's five Commissioners in public after an opportunity for public review and comment. If a stipulation is reached, it would be filed with the CPUC for review and a vote of the Commissioners.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Wednesday, October 17, 2012 9:03 AM
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
Just checking in again about the timing of Sen. Mitchell's appointment – when is it set to begin and end?
Also, given this new configuration, how would his mediation work intersect with the ALJ's judicial authority? Would he be able to make a decision on a proposed settlement without ALJ approval? Or would an ALJ necessarily need to approve any settlement he brokered?
I'm on deadline for this morning.
Thanks in advance,
Garance

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Tuesday, October 16, 2012 10:02 AM
To: Burke, Garance
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

I will let him know you are interested in speaking with him. I don't know the answer to your other question. I will have to check.

From: Burke, Garance [mailto:gburke@ap.org]
Sent: Tuesday, October 16, 2012 09:54 AM Pacific Standard Time
To: Prosper, Terrie D.
Subject: RE: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Hi Terrie,
I'm doubling back to request an interview with former Sen. George Mitchell. Also, just to be clear, will he only serve through Nov. 1?
Thanks in advance,

From: Burke, Garance
Sent: Monday, October 15, 2012 2:14 PM
To: 'terrie.prosper@cpuc.ca.gov'
Subject: Re: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

Thanks, Terrie. Will he only serve through Nov. 1, then?

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Monday, October 15, 2012 05:10 PM
To: Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov>
Subject: Former U.S. Senator George Mitchell Appointed as Mediator for Negotiations Over PG&E San Bruno Pipeline Explosion Fines and Remedies: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

FORMER U.S. SENATOR GEORGE MITCHELL APPOINTED AS MEDIATOR FOR NEGOTIATIONS OVER PG&E SAN BRUNO PIPELINE EXPLOSION FINES AND REMEDIES

SAN FRANCISCO, October 15, 2012 -- The California Public Utilities Commission (CPUC) today announced the appointment of former U.S. Senator George Mitchell to serve as mediator in ongoing talks aimed at resolving by stipulated agreement a series of enforcement cases against Pacific Gas and Electric Company (PG&E), stemming from the September 2010 explosion of a high-pressure PG&E natural gas pipeline in San Bruno, Calif.

Senator Mitchell is known, among other things, for his role as the U.S. Special Envoy for Northern Ireland, where he brokered the landmark Good Friday Peace Treaty in April 1998, and more recently as President Obama's Special Envoy to the Middle East. He was nominated for the Nobel Peace Prize for his success in the Northern Ireland peace process. He is the chairman emeritus of DLA Piper LLP (US), an international law firm, and he will be assisted by lawyers from that firm in his role as mediator.

"We are very grateful to Senator Mitchell for agreeing to devote his skills as mediator to this difficult and painful series of cases," said CPUC President Michael R. Peevey. "We are confident Senator Mitchell can help achieve a solution that will resolve these cases sooner rather than later, bring justice to the good people of San Bruno, and move California forward to our goal of a much safer natural gas system."

Commissioner Mike Florio also applauded the appointment of Senator Mitchell, describing him as "a truly world-class mediator and peace-maker."

Senator Mitchell will serve as mediator in ongoing negotiations between PG&E, the CPUC's safety enforcement staff, and other parties to the proceedings. The other parties include the City of San Bruno, the City and County of San Francisco, the CPUC's Division of Ratepayer Advocates, and ratepayer advocacy group The Utility Reform Network (TURN). The parties to the mediation will be asked to sign a mediation agreement confirming their participation and giving their consent for Senator Mitchell's law firm to provide these mediation services.

In their report and testimony in the enforcement cases, the CPUC's safety staff allege that PG&E committed significant violations of pipeline safety rules, which staff claim contributed to the blast. The National Transportation Safety Board also found many deficiencies in PG&E's operations and its slow response to the explosion on the evening of September 9, 2010. PG&E faces the prospect of millions of dollars in fines in the CPUC proceedings, and other remedies.

"I encourage all of the parties to make a good-faith effort at a negotiated solution, working with Senator Mitchell," said Commissioner Florio. "This is the most expeditious way to resolve these cases and bring closure to the people of San Bruno. More than two years have passed since the tragedy. The evidence is all in, and the time has come to resolve these cases once and for all."

The CPUC's rules require that any stipulation the parties might agree to in the mediation process must be publicly filed with the CPUC, and considered by the CPUC's five Commissioners in public after an opportunity for public review and comment.

The CPUC previously ordered PG&E to fund all the costs of the San Bruno investigation from shareholders, and not to pass any of the costs along to ratepayers. The costs of Senator Mitchell's services will be paid in this same manner.

For more information on the CPUC, please visit www.cpuc.ca.gov.

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From: Como, Joe
To: 'Stephanie_Seay@platts.com'
Sent: 10/26/2012 10:29:58 AM
Subject: Re: Sen. Mitchell offer to withdraw?

My information is from Mitchele Cooke of the CPUC. I was told that Senator Mitchell had told Frank Lindh that he would not mediate unless all the parties agreed. All the parties have not agreed. So he is not going to be mediating. But the reason not all the parties want him is not the choice of mediator, it is the process. The parties did not ask for mediation because settlement was moving along. And because the mediator was not chosen by the parties. You should ask a law professor on Alternative Dispute Resolution to find out how important it is to have the parties' choose the mediator.

From: Seay, Stephanie [mailto:Stephanie_Seay@platts.com]
Sent: Friday, October 26, 2012 09:51 AM Pacific Standard Time
To: Como, Joe
Subject: Sen. Mitchell offer to withdraw?

Hi Joe,
Can you confirm that Sen. Mitchell and DLA Piper have offered to withdraw from the San Bruno talks? If so, has that offer been accepted? Any letter or other document you might forward detailing this development?
Thanks for your help,
Stephanie Seay
Platts Gas Daily

From: Como, Joe [mailto:joe.como@cpuc.ca.gov]
Sent: Wednesday, October 24, 2012 11:01 PM
To: Seay, Stephanie
Subject: RE: Letter to Commissioners

See attached.

From: Seay, Stephanie [Stephanie_Seay@platts.com]
Sent: Wednesday, October 24, 2012 9:05 AM
To: Como, Joe
Subject: RE: Letter to Commissioners

Hi Joe,
Would you be able to forward the latest letter sent to the CPUC yesterday, citing DLA Piper's conflict of interest regarding the insurance company it represents?
Thank you,
-- Stephanie

From: Como, Joe [mailto:joe.como@cpuc.ca.gov]
Sent: Wednesday, October 17, 2012 3:05 PM
To: Seay, Stephanie
Subject: Letter to Commissioners

Stephanie,

See the attached letter. This was delivered today.

Joe Como
Director, DRA
California Public Utilities Commission
415-703-2381 voice
415-703-2057 facsimile
joe.como@cpuc.ca.gov

www.dra.ca.gov/dra/

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From: Seay, Stephanie
To: Como, Joe
Sent: 10/26/2012 11:08:59 AM
Subject: RE: Sen. Mitchell offer to withdraw?

Thanks, Joe. That is a help.
-- Stephanie

From: Como, Joe [mailto:joe.como@cpuc.ca.gov]
Sent: Friday, October 26, 2012 1:30 PM
To: Seay, Stephanie
Subject: Re: Sen. Mitchell offer to withdraw?

My information is from Mitchele Cooke of the CPUC. I was told that Senator Mitchell had told Frank Lindh that he would not mediate unless all the parties agreed. All the parties have not agreed. So he is not going to be mediating. But the reason not all the parties want him is not the choice of mediator, it is the process. The parties did not ask for mediation because settlement was moving along. And because the mediator was not chosen by the parties. You should ask a law professor on Alternative Dispute Resolution to find out how important it is to have the parties' choose the mediator.

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To: Como, Joe
Subject: Sen. Mitchell offer to withdraw?

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To: Como, Joe
Subject: RE: Letter to Commissioners

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Thank you,
-- Stephanie

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Sent: Wednesday, October 17, 2012 3:05 PM
To: Seay, Stephanie
Subject: Letter to Commissioners

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California Public Utilities Commission
415-703-2381 voice
415-703-2057 facsimile
joe.como@cpuc.ca.gov
www.dra.ca.gov/dra/

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From:	Prosper, Terrie D.
To:	Prosper, Terrie D.
Sent:	10/26/2012 12:23:21 PM
Subject:	CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

CPUC URGES PARTIES TO PG&E PIPELINE CASES TO CONTINUE TALKS; WITHDRAWS MEDIATOR

SAN FRANCISCO, October 26, 2012 -- The California Public Utilities Commission (CPUC) today said that it and former Senator George Mitchell have determined that Senator Mitchell will not mediate talks aimed at resolving a series of enforcement cases against Pacific Gas and Electric Company (PG&E) regarding the natural gas pipeline explosion in San Bruno, Calif., on September 9, 2010.

The appointment of former Senator Mitchell was announced last week by CPUC President Michael R. Peevey and Commissioner Mike Florio, who are presiding over a series of enforcement cases now pending before the five-member CPUC. Senator Mitchell's appointment was supported by the CPUC's enforcement staff, but was protested by parties who did not want to participate in mediation. The CPUC said that while it would like to see talks occur, it is clear that the parties must be supportive of the mediation and the mediator.

"We remain very grateful to Senator Mitchell for his willingness to step in and try to resolve, by stipulated agreement, these cases triggered by the tragedy in San Bruno," said President Peevey. "Senator Mitchell is arguably the greatest mediator in the world today, and it is regrettable that some of the parties did not appreciate the opportunity we afforded them to work with a man who is a true peacemaker. The San Bruno investigation and regulatory proceedings have gone on for more than two years. Unless a stipulation can be reached, I am worried it might take until mid-next year before these cases can be concluded in the normal litigation manner. We want justice and remedies much sooner than that, to get closure and true justice for the people of San Bruno."

Commissioner Florio added, "We are responding to the concerns of the parties about the appointment of Senator Mitchell. It's important to recognize that nobody opposed Senator Mitchell himself, or questioned his integrity or his abilities as a mediator. What seemed to prompt the concern was simply the way we decided to appoint him, without prior consultation with the parties."

President Peevey and Commissioner Florio urge the parties to continue their ongoing negotiations designed to bring a stipulation before the CPUC for its consideration in the near future.

If a stipulation is reached among the parties, the CPUC's rules require that it be publicly filed with the CPUC, and then considered by the five-member CPUC in public session.

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
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From: Mark Chediak (BLOOMBERG/ NEWSROOM:)
To: terrie.prosper@cpuc.ca.gov
Sent: 10/26/2012 12:25:23 PM
Subject: Re:CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

Yes, mitchell is gone.

From: terrie.prosper@cpuc.ca.gov
To: terrie.prosper@cpuc.ca.gov
Date: 10/26 12:23

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper

Director, News and Public Information Office
California Public Utilities Commission
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From: Prosper, Terrie D.
To: Lachney, Vickie A.; Lee, Jennie
Sent: 10/26/2012 12:25:24 PM
Subject: Posting
Attachments: Mediator 102612.docx

Can you please post the attached to the News Room?

Then, can you please link to it from the Recent News box on this page http://www.cpuc.ca.gov/PUC/events/sanbruno.htm using the date and headline (not in caps) as the text?

Can you also post it here: http://www.cpuc.ca.gov/PUC/events/timeline.htm above the 10/15 item?

And here http://www.cpuc.ca.gov/PUC/sanbrunoreport.htm above the 10/15 item?

THANK YOU!!

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

California Public Utilities Commission
505 Van Ness Ave., San Francisco

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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For more information on the CPUC, please visit www.cpuc.ca.gov.

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From: Kristin Hanes
To: Prosper, Terrie D.
Sent: 10/26/2012 12:26:04 PM
Subject: Re: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

Hi Terrie. Can you or someone do a phone interview?
Thanks!
Kristin Hanes
Reporter, KGO Radio
Newsroom: 415-216-1300

On Fri, Oct 26, 2012 at 12:23 PM, Prosper, Terrie D. <terrie.prosper@cpuc.ca.gov> wrote:

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

CPUC URGES PARTIES TO PG&E PIPELINE CASES TO
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Terrie Prosper

Director, News and Public Information Office

California Public Utilities Commission

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From: Burke, Garance
To: Prosper, Terrie D.
Sent: 10/26/2012 12:35:38 PM
Subject: RE: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

Hi Terrie,
Thanks for this. Did Mitchell himself ever actually participate in mediation activities following his appointment?
Also, was Mitchell paid, and if so, how much? I requested the contract from PG&E and they routed me back to you.
Thanks,
Garance

From: Prosper, Terrie D. [mailto:terrie.prosper@cpuc.ca.gov]
Sent: Friday, October 26, 2012 12:23 PM
To: Prosper, Terrie D.
Subject: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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[IP_US_DISC]

msk dccc60c6d2c3a6438f0cf467d9a4938

From:	Joe Fisher
To:	Prosper, Terrie D.
Sent:	10/26/2012 12:39:13 PM
Subject:	Question on this...Re: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release
Attachments:	joe.vcf

Hi Terrie.

Can you tell me what parties were opposed to the manner in which Mitchell was appointed?

Thanks,

Joe

--
Joe Fisher
Senior Editor
Intelligence Press, Inc.
NGI's Daily Gas Price Index
NGI's Shale Daily
P. 713.533.1819
F. 713.521.1415
joe@intelligencepress.com

Prosper, Terrie D. wrote:
> *FOR IMMEDIATE RELEASE* *PRESS RELEASE*
>
> Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov
> <mailto:news@cpuc.ca.gov>
>
> CPUC URGES PARTIES TO PG&E PIPELINE CASES TO
> CONTINUE TALKS; WITHDRAWS MEDIATOR
>
> SAN FRANCISCO, October 26, 2012 -- The California Public Utilities
> Commission (CPUC) today said that it and former Senator George Mitchell
> have determined that Senator Mitchell will not mediate talks aimed at
> resolving a series of enforcement cases against Pacific Gas and Electric
> Company (PG&E) regarding the natural gas pipeline explosion in San
> Bruno, Calif., on September 9, 2010.
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>
> For more information on the CPUC, please visit www.cpuc.ca.gov
> <http://www.cpuc.ca.gov>.
>
> ###
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> **********
>
> Terrie Prosper
>
> Director, News and Public Information Office
>
> California Public Utilities Commission
>
> Facebook <http://www.facebook.com/CaliforniaPUC> I Twitter
> <http://twitter.com/californiapuc> I www.cpuc.ca.gov
> <http://www.cpuc.ca.gov>
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--
Jce Fisher
Senior Editor
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NGI's Daily Gas Price Index
NGI's Shale Daily
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E-mail:	joe@intelligencepress.com
E-mail Display As:	Joe Fisher <joe@intelligencepress.com>

From: Chow, Christopher
To: 'martin@patch.com'
Sent: 10/26/2012 12:59:59 PM
Subject: FW: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

In case...

Christopher Chow, Public Information Officer
California Public Utilities Commission
(415) 703-2234 - Direct
(415) 238-9940 - Cell

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

CPUC URGES PARTIES TO PG&E PIPELINE CASES TO CONTINUE TALKS; WITHDRAWS MEDIATOR

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission

From: Mavis Scanlon
To: Chow, Christopher
Sent: 10/26/2012 1:08:18 PM
Subject: Re: FW: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

I did, but thanks for resending.

> In case you didn't get this.
>
> Christopher Chow, Public Information Officer
> California Public Utilities Commission
> (415) 703-2234 - Direct
> (415) 238-9940 - Cell
>
> FOR IMMEDIATE RELEASE
> PRESS RELEASE
> Media Contact: Terrie Prosper, 415.703.1366,
> news@cpuc.ca.gov<mailto:news@cpuc.ca.gov>
>
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> until mid-next year before these cases can be concluded in the normal
> litigation manner. We want justice and remedies much sooner than that, to
> get closure and true justice for the people of San Bruno."
%3

From: Martin Ricard
To: Chow, Christopher
Sent: 10/26/2012 1:17:34 PM
Subject: Re: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

Thanks. Got it.

Martin Ricard
Editor, San Bruno Patch

Sent from my iPhone

On Oct 26, 2012, at 1:00 PM, "Chow, Christopher" <christopher.chow@cpuc.ca.gov> wrote:

In case...

Christopher Chow, Public Information Officer
California Public Utilities Commission
(415) 703-2234 - Direct
(415) 238-9940 - Cell

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

CPUC URGES PARTIES TO PG&E PIPELINE CASES TO CONTINUE TALKS; WITHDRAWS MEDIATOR

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Prosper, Terrie D.
To: Linda Chiem
CC: Chow, Christopher
Sent: 10/26/2012 1:49:13 PM
Subject: RE: Law360 Media Inquiry

Hi Linda,

Below is our press release.

Best,

Terrie

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

CPUC URGES PARTIES TO PG&E PIPELINE CASES TO CONTINUE TALKS; WITHDRAWS MEDIATOR

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From: Linda Chiem [mailto:linda.chiem@law360.com]
Sent: Friday, October 26, 2012 1:16 PM
To: Prosper, Terrie D.
Cc: Chow, Christopher
Subject: Law360 Media Inquiry

Hi Terrie and Christopher,
It's Linda Chiem from Law360 again. I seem to be getting a lot of assignments related to the California Public Utilities Commission lately.
This latest has to do with the mediation talks regarding the San Bruno pipeline explosion.
The AP and San Francisco Chronicle, among other media, have reported that former U.S. Sen. George Mitchell and his law firm DLA Piper have offered to withdraw as mediators unless all parties agree to participate.
Would you be able to confirm this and/or issue a statement on what this means for settlement talks going forward?

Here's a link to other coverage we've seen today:
http://www.sfgate.com/bayarea/article/Ex-senator-backs-out-of-San-Bruno-talks-3982697.php

Please let me know what's possible as soon as you can. I have about two hours to submit the story.
I appreciate your time and assistance.

Linda

--
Linda Chiem
Reporter

Portfolio Media, Inc.
Publisher of the Law360 Newswires
860 Broadway, 6th Floor
New York, New York 10003
Direct: 646-783-7169
linda.chiem@law360.com

From:	Prosper, Terrie D.
To:	Hartmann, Daniel M.
Sent:	10/26/2012 1:52:12 PM
Subject:	FW: Posting
Attachments:	Mediator 102612.docx

Can you please check that this was handled on Monday and if not, make the posting(s)?

Thanks!

From: Prosper, Terrie D.
Sent: Friday, October 26, 2012 12:25 PM
To: Lachney, Vickie A.; Lee, Jennie
Subject: Posting
Importance: High

Can you please post the attached to the News Room?

Then, can you please link to it from the Recent News box on this page http://www.cpuc.ca.gov/PUC/events/sanbruno.htm using the date and headline (not in caps) as the text?

Can you also post it here: http://www.cpuc.ca.gov/PUC/events/timeline.htm above the 10/15 item?

And here http://www.cpuc.ca.gov/PUC/sanbrunoreport.htm above the 10/15 item?

THANK YOU!!

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
(415) 703-2160
tdp@cpuc.ca.gov
Facebook | Twitter | www.cpuc.ca.gov

California Public Utilities Commission
505 Van Ness Ave., San Francisco

FOR IMMEDIATE RELEASE **PRESS RELEASE**

Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

CPUC URGES PARTIES TO PG&E PIPELINE CASES TO CONTINUE TALKS; WITHDRAWS MEDIATOR

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CPUC06782

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From:	Paull, Karen P.
To:	Garance Burke (gburke@ap.org)
Sent:	10/26/2012 1:53:15 PM
Subject:	FW: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

Fyi. The spin we were expecting. But see Comm. Florio's remarks.

From: Prosper, Terrie D.
Sent: Friday, October 26, 2012 12:23 PM
To: Prosper, Terrie D.
Subject: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Chow, Christopher
To: 'Avalos, George'
Sent: 10/26/2012 2:03:56 PM
Subject: CPUC Urges Parties to PG&E Pipeline Cases to Continue Talks; Withdraws Mediator: CPUC Press Release

FOR IMMEDIATE RELEASE **PRESS RELEASE**
Media Contact: Terrie Prosper, 415.703.1366, news@cpuc.ca.gov

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Terrie Prosper
Director, News and Public Information Office
California Public Utilities Commission
Facebook | Twitter | www.cpuc.ca.gov

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Thursday, September 22, 2011 11:50 AM
To: nur@cpuc.ca.gov
Subject: Meeting Request

Hi Nuria,

Myself and a colleague will be traveling to San Francisco on Thursday, October 6 to meet with the management of PG&E. We were hoping some of President Peevey's staff would be available for a brief meeting in the afternoon. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Thank you for your time.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Thursday, September 22, 2011 11:53 AM
To: prw@cpuc.ca.gov
Subject: Meeting Request

Hi Phyllis,

Myself and a colleague will be traveling to San Francisco on Thursday, October 6 to meet with the management of PG&E. We were hoping Commissioner Simon and/or his advisors would be available for a brief meeting in the afternoon. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Thank you for your time.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Thursday, September 22, 2011 11:56 AM
To: joan.dahlgren@cpuc.ca.gov
Subject: Meeting Request

Hi Joan,

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Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Thursday, September 22, 2011 12:00 PM
To: BNK@cpuc.ca.gov
Subject: Meeting Request

Hi Juliane,

Myself and a colleague will be traveling to San Francisco on Thursday, October 6 to meet with the management of PG&E. We were hoping Commissioner Ferron and/or his advisors would be available for a brief meeting in the afternoon. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Thank you for your time.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

NOTICE: Morgan Stanley is not acting as a municipal advisor and the opinions or views contained herein are not intended to be, and do not constitute, advice within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. If you have received this communication in error, please destroy all electronic and paper copies and notify the sender immediately. Mistransmission is not intended to waive confidentiality or privilege. Morgan Stanley reserves the right, to the extent permitted under applicable law, to monitor electronic communications. This message is subject to terms available at the following link: http://www.morganstanley.com/disclaimers. If you cannot access these links, please notify us by reply message and we will send the contents to you. By messaging with Morgan Stanley you consent to the foregoing.

From:	Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent:	Thursday, September 22, 2011 1:30 PM
To:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Cc:	Khosrowjah, Sepideh <sepideh.khosrowjah@cpuc.ca.gov>
Subject:	RE: Meeting Request

Rajeev,
Thank you for your inquiry. Unfortunately, Commissioner Florio will be out of town on October 6, and will be unavailable to meet with you. If there is any interest on the part of someone else on the Commissioner's staff, I will let you know.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.go

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Thursday, September 22, 2011 11:56 AM
To: Dahlgren, Joan
Subject: Meeting Request

Hi Joan,

Thank you for the time earlier. Would you happen to know if Commissioner Florio and/or his advisors would be available for a brief meeting in the afternoon on Thursday, October 6. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Best,

Rajeev Lalwani, Vice President
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1585 Broadway, 38th Floor | New York, NY 10036
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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent:	Friday, September 23, 2011 8:34 AM
To:	'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject:	RE: Meeting Request

Good morning Rajeev,

Unfortunately, Comr. Ferron will be in Los Angeles for our Commission Meeting, so he will not be available to meet with you. Please contact us again when you are in town.

Thanks,
Juliane

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Thursday, September 22, 2011 12:00 PM
To: Banks, Juliane
Subject: Meeting Request

Hi Juliane,

Myself and a colleague will be traveling to San Francisco on Thursday, October 6 to meet with the management of PG&E. We were hoping Commissioner Ferron and/or his advisors would be available for a brief meeting in the afternoon. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Thank you for your time.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From:	White, Phyllis R.[phyllis.white@cpuc.ca.gov]
Sent:	Monday, September 26, 2011 6:14 PM
To:	Rajeev.Lalwani@morganstanley.com
Cc:	Mosbaugh, Scott <scott.mosbaugh@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	FW: Meeting Request

Hello, thank you for your interest in meeting with Commissioner Simon and/or his advisors. I'm forwarding your request to the office schedulers for handling. One of them will be in touch with you shortly.

Regards,

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Thursday, September 22, 2011 11:53 AM
To: White, Phyllis R.
Subject: Meeting Request

Hi Phyllis,

Myself and a colleague will be traveling to San Francisco on Thursday, October 6 to meet with the management of PG&E. We were hoping Commissioner Simon and/or his advisors would be available for a brief meeting in the afternoon. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Thank you for your time.

Best,

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Monday, September 26, 2011 7:36 PM
To: White, Phyllis R. <phyllis.white@cpuc.ca.gov>
Subject: RE: Meeting Request

Thank you Phyllis.

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Monday, September 26, 2011 9:14 PM
To: Lalwani, Rajeev (Research)
Cc: Mosbaugh, Scott; Fernandez, Cristine
Subject: FW: Meeting Request

Hello, thank you for your interest in meeting with Commissioner Simon and/or his advisors. I'm forwarding your request to the office schedulers for handling. One of them will be in touch with you shortly.

Regards,

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Thursday, September 22, 2011 11:53 AM
To: White, Phyllis R.
Subject: Meeting Request

Hi Phyllis,

Myself and a colleague will be traveling to San Francisco on Thursday, October 6 to meet with the management of PG&E. We were hoping Commissioner Simon and/or his advisors would be available for a brief meeting in the afternoon. As far as our interest in the CPUC, we were looking to learn more about utilities in the state and Commission policy/regulation. In regards to my background, I am a research analyst following the utilities and power sector at Morgan Stanley in New York.

Thank you for your time.

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From: Clay, Jacqueline[jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 5, 2011 4:03 PM
To: 'Rajeev.Lalwani@morganstanley.com'
Subject: Meeting Request

Mr. Lalwani,
Are you still interested in meeting with Commissioner Sandoval's advisor tomorrow? He is available in the afternoon.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, October 5, 2011 4:08 PM
To: Clay, Jacqueline <jaqueline.clay@cpuc.ca.gov>
Subject: RE: Meeting Request

Hi Jackie. Thanks for getting back to me. Our plans have changed and we will not be in San Francisco tomorrow. Would it be possible to set up a phone call with the Commissioner? I'm available tomorrow until noon your time. Alternatively, we can set one up for early next week. Whatever is more convenient.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:03 PM
To: Lalwani, Rajeev (Research)
Subject: Meeting Request
Importance: High

Mr. Lalwani,
Are you still interested in meeting with Commissioner Sandoval's advisor tomorrow? He is available in the afternoon.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

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From:	Clay, Jacqueline[jaqueline.clay@cpuc.ca.gov]
Sent:	Wednesday, October 5, 2011 4:09 PM
To:	'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject:	RE: Meeting Request

The Commissioner is traveling and not available, but her advisor, Stephen St. Marie is available.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:08 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

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Best,

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Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:03 PM
To: Lalwani, Rajeev (Research)
Subject: Meeting Request
Importance: High

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Are you still interested in meeting with Commissioner Sandoval's advisor tomorrow? He is available in the afternoon.

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jacqueline.clay@cpuc.ca.gov

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From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent:	Wednesday, October 5, 2011 4:13 PM
To:	Clay, Jacqueline <jaqueline.clay@cpuc.ca.gov>
Subject:	RE: Meeting Request

Sorry, my apologies. It would be great to have a conversation with her advisor if he's available. What time works best (am free until noon your time)?

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:09 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

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Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
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To: Clay, Jacqueline
Subject: RE: Meeting Request

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1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:03 PM
To: Lalwani, Rajeev (Research)
Subject: Meeting Request
Importance: High

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From:	Clay, Jacqueline[jaqueline.clay@cpuc.ca.gov]
Sent:	Wednesday, October 5, 2011 4:17 PM
To:	'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject:	RE: Meeting Request

Since we are 3 hours ahead 9 am would work for him, but not you.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:13 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

Sorry, my apologies. It would be great to have a conversation with her advisor if he's available. What time works best (am free until noon your time)?

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From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:09 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

The Commissioner is traveling and not available, but her advisor, Stephen St. Marie is available.

Jacqueline Clay
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jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:08 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

Hi Jackie. Thanks for getting back to me. Our plans have changed and we will not be in San Francisco tomorrow. Would it be possible to set up a phone call with the Commissioner? I'm available tomorrow until noon your time. Alternatively, we can set one up for early next week. Whatever is more convenient.

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Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:03 PM
To: Lalwani, Rajeev (Research)
Subject: Meeting Request
Importance: High

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, October 5, 2011 4:21 PM
To: Clay, Jacqueline <jaqueline.clay@cpuc.ca.gov>
Subject: RE: Meeting Request

9am PST (12pm EST) works just fine actually. What number can I reach Stephen at?

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:17 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

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jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:13 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

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Rajeev.Lalwani@morganstanley.com

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Sent: Wednesday, October 05, 2011 7:09 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

The Commissioner is traveling and not available, but her advisor, Stephen St. Marie is available.

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To: Clay, Jacqueline
Subject: RE: Meeting Request

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Rajeev.Lalwani@morganstanley.com

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Sent: Wednesday, October 05, 2011 7:03 PM
To: Lalwani, Rajeev (Research)
Subject: Meeting Request
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From: Clay, Jacqueline[jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 5, 2011 4:24 PM
To: 'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject: RE: Meeting Request

You may reach Stephen St. Marie @ 415-703-5173

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:21 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

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Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:17 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

Since we are 3 hours ahead 9 am would work for him, but not you.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:13 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

Sorry, my apologies. It would be great to have a conversation with her advisor if he's available. What time works best (am free until noon your time)?

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]

Sent: Wednesday, October 05, 2011 7:09 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

The Commissioner is traveling and not available, but her advisor, Stephen St. Marie is available.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:08 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

Hi Jackie. Thanks for getting back to me. Our plans have changed and we will not be in San Francisco tomorrow. Would it be possible to set up a phone call with the Commissioner? I'm available tomorrow until noon your time. Alternatively, we can set one up for early next week. Whatever is more convenient.

Best,

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From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:03 PM
To: Lalwani, Rajeev (Research)
Subject: Meeting Request
Importance: High

Mr. Lalwani,
Are you still interested in meeting with Commissioner Sandoval's advisor tomorrow? He is available in the afternoon.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

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From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent:	Wednesday, October 5, 2011 4:26 PM
To:	Clay, Jacqueline <jaqueline.clay@cpuc.ca.gov>
Subject:	RE: Meeting Request

Great. We are confirmed. Sorry for any confusion.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:24 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

You may reach Stephen St. Marie @ 415-703-5173

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:21 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

9am PST (12pm EST) works just fine actually. What number can I reach Stephen at?

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

From: Clay, Jacqueline [mailto:jaqueline.clay@cpuc.ca.gov]
Sent: Wednesday, October 05, 2011 7:17 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting Request

Since we are 3 hours ahead 9 am would work for him, but not you.

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, October 05, 2011 4:13 PM
To: Clay, Jacqueline
Subject: RE: Meeting Request

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Importance: High

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From:	Clay, Jacqueline[jaqueline.clay@cpuc.ca.gov]
Sent:	Wednesday, October 5, 2011 4:28 PM
To:	'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject:	RE: Meeting Request

Confirmed for 10/6 @ 9 - 9:30 AM (PST) - dial in number 415-703-5173

Jacqueline Clay
(415) 703-5242
jacqueline.clay@cpuc.ca.gov

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Thursday, October 13, 2011 1:48 PM
To: sst@cpuc.ca.gov
Subject: conference call follow-up

Hi Stephen,

Just wanted to follow-up after our phone call last week. We appreciated the discussion about CPUC policy - it was all very insightful. If you can, please let us know of another advisor or two who we can get in touch with.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Byrd, Caren <Caren.Byrd@morganstanley.com>
Sent: Friday, January 6, 2012 2:06 PM
To: Katague, Ditas <ditas.katague@cpuc.ca.gov>
Cc: Jovita Chan <jovita.chan@cpuc.ca.gov>; Jacqueline Clay <jaqueline.clay@cpuc.ca.gov>
Subject: RE: Commissioner Sandoval

Perfect
We will set in motion the Breakfast invitations.
Sorry I won't meet you and Commissioner Sandoval; I look forward to another opportunity.
Caren

Caren Byrd, Managing Director
Morgan Stanley | Investment Banking Division
1585 Broadway | Floor 32
New York, NY 10036
Phone: +1 212 761-8447
Fax: +1 212 507-4863
Caren.Byrd@morganstanley.com

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Friday, January 06, 2012 5:03 PM
To: Byrd, Caren (IBD)
Cc: Jovita Chan; Jacqueline Clay
Subject: Commissioner Sandoval

Caryn,
Thanks so much for your help arranging a breakfast meeting on Friday 10th from 8-9 am for Commissioner Catherine Sandoval and I. We will be traveling from our DC meetings on February 9th and will hopefully stay at the W hotel in Times Square.

My contact info:
Ditas Katague
Chief of Staff to Commissioner Catherine J.K. Sandoval
916-322-8858
415-732-9887
Dmk@CPUC.ca.gov

Thanks so much.

Ditas

Sent from my iPad

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From:	Katague, Ditas[ditas.katague@cpuc.ca.gov]
Sent:	Friday, January 6, 2012 3:03 PM
To:	caren.byrd@morganstanley.com
Cc:	Jovita Chan <jovita.chan@cpuc.ca.gov>; Jacqueline Clay <jaqueline.clay@cpuc.ca.gov>
Subject:	Commissioner Sandoval

Caryn,
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Ditas Katague
Chief of Staff to Commissioner Catherine J.K. Sandoval
916-322-8858
415-732-9887
Dmk@CPUC.ca.gov

Thanks so much.

Ditas

Sent from my iPad

From: Katague, Ditas[ditas.katague@cpuc.ca.gov]
Sent: Friday, January 6, 2012 3:10 PM
To: 'Caren.Byrd@morganstanley.com'
Subject: Re: Commissioner Sandoval

Thanks. Let us know if you come west and we can meet.

----- Original Message -----
From: Byrd, Caren [mailto:Caren.Byrd@morganstanley.com]
Sent: Friday, January 06, 2012 02:05 PM
To: Katague, Ditas
Cc: Chan, Jovita; Clay, Jacqueline
Subject: RE: Commissioner Sandoval

Perfect
We will set in motion the Breakfast invitations.
Sorry I won't meet you and Commissioner Sandoval; I look forward to another opportunity.
Caren

Caren Byrd, Managing Director
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1585 Broadway | Floor 32
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Subject: Commissioner Sandoval

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From:	Byrd, Caren <Caren.Byrd@morganstanley.com>
Sent:	Sunday, January 8, 2012 4:00 PM
To:	Katague, Ditas <ditas.katague@cpuc.ca.gov>
Cc:	Jovita Chan <jovita.chan@cpuc.ca.gov>; Jacqueline Clay <jaqueline.clay@cpuc.ca.gov>
Subject:	RE: Commissioner Sandoval -- a conlfict on the morning of 2/10!

Ditas

I learned after speaking to you on Friday afternoon that there is an important conflict Friday morning February 10 which makes having a breakfast meeting with Commissioner Sandoval not practical...

the utility, American Electric Power is having it annual Annual Day that morning in NYC. It starts at 8AM and will likely go until noon (I am confirming the expected end time now.

AEP has a new CEO and this will be his chance to talk about strategy and outlook etc. with the financial community. All the sell-side analysts that I had planned to invite to our meeting will be at that meeting.

I remember that you said that another firm (was it Citi) is planning something else for the Commissioner on Friday.. is it lunch?
What is the earlier you can leave DC on Thursday and get to NYC? Perhaps we could do a late Thursday afternoon meeting., maybe around 4pm?

Please give me a call tomorrow to talk about options.

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Cc: Jovita Chan; Jacqueline Clay
Subject: Commissioner Sandoval

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From: Byrd, Caren <Caren.Byrd@morganstanley.com>
Sent: Sunday, January 8, 2012 4:52 PM
To: Katague, Ditas <ditas.katague@cpuc.ca.gov>
Subject: RE: Commissioner Sandoval -- a conlfict on the morning of 2/10!

Small world with AEP!
Who is their governmental person you know?

I found out that AEP's meeting is supposed to end at 10:30am but I don't think it's practical to squeeze something in before your lunch.
Let's keep thinking
Caren

Caren Byrd, Managing Director
Morgan Stanley | Investment Banking Division
1585 Broadway | Floor 32
New York, NY 10036
Phone: +1 212 761-8447
Fax: +1 212 507-4863
Caren.Byrd@morganstanley.com

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Sunday, January 08, 2012 7:47 PM
To: Byrd, Caren (IBD)
Cc: Chan, Jovita; Clay, Jacqueline
Subject: Re: Commissioner Sandoval -- a conlfict on the morning of 2/10!

Caryn,
Thanks for the heads up. I think Naaz from BAML is doing our lunch on Friday. Thursday evening we are having something at the Harvard Club. Let's check in tomorrow with other options.
A good friend is AEPs head of Govt affairs so I suppose he will be coming up for that event.

Ditas

----- Original Message -----
From: Byrd, Caren [mailto:Caren.Byrd@morganstanley.com]
Sent: Sunday, January 08, 2012 03:59 PM
To: Katague, Ditas
Cc: Chan, Jovita; Clay, Jacqueline
Subject: RE: Commissioner Sandoval -- a conlfict on the morning of 2/10!

Ditas

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To: Byrd, Caren (IBD)
Cc: Jovita Chan; Jacqueline Clay
Subject: Commissioner Sandoval

Caryn,
Thanks so much for your help arranging a breakfast meeting on Friday 10th from 8-9 am for Commissioner Catherine Sandoval and I. We will be traveling from our DC meetings on February 9th and will hopefully stay at the W hotel in Times Square.

My contact info:
Ditas Katague
Chief of Staff to Commissioner Catherine J.K. Sandoval
916-322-8858
415-732-9887
Dmk@CPUC.ca.gov

Thanks so much.

Ditas

Sent from my iPad

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From: Byrd, Caren <Caren.Byrd@morganstanley.com>
Sent: Sunday, January 8, 2012 5:36 PM
To: Katague, Ditas <ditas.katague@cpuc.ca.gov>
Subject: RE: Commissioner Sandoval -- a conlfict on the morning of 2/10!

That would not be idea. It's not as much being a Friday. Rather it's hard to get the sell side to leave their offices at strange mid-day times like that especially when they have already been out for part of the day. Also people are scattered throughout the city. I think that before your Dinner on Thursday might be better. Let's talk tomorrow.

Caren Byrd, Managing Director
Morgan Stanley | Investment Banking Division
1585 Broadway | Floor 32
New York, NY 10036
Phone: +1 212 761-8447
Fax: +1 212 507-4863
Caren.Byrd@morganstanley.com

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Who is their governmental person you know?

I found out that AEP's meeting is supposed to end at 10:30am but I don't think it's practical to squeeze something in before your lunch.
Let's keep thinking
Caren

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Sent:	Monday, January 9, 2012 3:57 PM
To:	Katague, Ditas <ditas.katague@cpuc.ca.gov>
Subject:	RE: Commissioner Sandoval
Attach:	Sandoval Invitation List.xls

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	A	B	C
1	Suggested Guide Isit for Chairman Sandoval's Harvard Club Meeting		
2	**Sell-Side Firm**	**Name**	**Email Address**
3	Barclays Capital	Dan Ford	dan.ford@barclayscapital.com
4	Bloomberg LP	Sam Brothwell	sbrothwell1@bloomberg.net
5	Bank of America	Steve Fleischman	Steve Fleishman (steven.fleishman@baml.com)
6	BMO Capital Markets	Mike Worms	michael.worms@bmo.com
7	Citi Investment	Brian Chin	brian.chin@citi.com
8	Credit Suisse	Dan Eggers	dan.eggers@credit-suisse.com
9	Deutsche Bank	Jonathan Arnold	jonathan.arnold@db.com
10	FBR Capital Markets	Marc de Croisset	mdecroisset@fbr.com
11	Goldman Sachs	Michael Lapides	michael.lapides@gs.com
12	ISI Group	Greg Gordon	GGordon@isigrp.com
13	Jefferies & Company	Paul Fremont	pfremont@jefco.com
14	Macquarie Equities	Angie Storozynski	angie.storozynski@macquarie.com
15	Morgan Stanley	Stephen Byrd	stephen.byrd@morganstanley.com
16	RBS Capital Markets	Shelby Tucker	shelby.tucker@rbccm.com
17	Sanford C.Bernstein & Co.	Hugh Wynne	hugh.wynne@bernstein.com
18	UBS	Jim von Riesemann	jim.vonriesemann@ubs.com
19	Wachovia Securities/Wells Fargo	Mike Bolte	michael.bolte@wachovia.com
20	Wunderlich Securities	Jay Dobson	JDobson@wundernet.com
21			
22	Bank of America	Peter Quinn	peter.d.quinn@baml.com
23	Barclays Capital	Jim Asselstine	james.asselstine@barclayscapital.com
24	Fitch Ratings	Phil Smyth	philip.smyth@fitchratings.com
25	Goldman Sachs	Ray Leung	raymond.m.leung@gs.com
26	S&P	Richard Cortright	richard_cortright@standardandpoors.com
27	Moodys	Jim Hempstead	james.hempstead@moodys.com
28	BNP Paribas	Barbara Chapman	barbara.chapman@us.bnpparibas.com

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Ditas Macrine Katague
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Office of Commissioner Catherine J.K. Sandoval
California Public Utilities Commissioner
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Sacramento, CA 95814
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Caren,
There might be a small charge for those not on the panel...but I will let you know once we find out more details.

"For the people not on a panel we will charge a registration fee equal to the cost per head charged by the club. All of this will start to firm up toward end of week."

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Sent: Monday, January 09, 2012 6:58 PM
To: Byrd, Caren (IBD)
Subject: RE: Commissioner Sandoval

Thanks Caren, I will forward it to Clifford.

Ditas Macrine Katague
Chief of Staff
Office of Commissioner Catherine J.K. Sandoval California Public Utilities Commissioner 770 L Street, Suite 1250 Sacramento, CA 95814
(916) 322-8858
dmk@cpuc.ca.gov

-----Original Message-----
From: Byrd, Caren [mailto:Caren.Byrd@morganstanley.com]
Sent: Monday, January 09, 2012 3:57 PM
To: Katague, Ditas
Subject: RE: Commissioner Sandoval

Here is the invitation list that I was going to use for the breakfast.
I am sure that these people would appreciate being invited to the
Harvard Club event.
They are the leaders in the sell side-- debt and equity.

Caren

Caren Byrd, Managing Director
Morgan Stanley | Investment Banking Division
1585 Broadway | Floor 32
New York, NY 10036
Phone: +1 212 761-8447
Fax: +1 212 507-4863
Caren.Byrd@morganstanley.com

-----Original Message-----
From: Katague, Ditas [mailto:ditas.katague@cpuc.ca.gov]
Sent: Friday, January 06, 2012 5:03 PM
To: Byrd, Caren (IBD)
Cc: Jovita Chan; Jacqueline Clay
Subject: Commissioner Sandoval

Caryn,
Thanks so much for your help arranging a breakfast meeting on Friday
10th from 8-9 am for Commissioner Catherine Sandoval and I. We will be
traveling from our DC meetings on February 9th and will hopefully stay
at the W hotel in Times Square.

My contact info:
Ditas Katague
Chief of Staff to Commissioner Catherine J.K. Sandoval
916-322-8858
415-732-9887
Dmk@CPUC.ca.gov

Thanks so much.

Ditas

Sent from my iPad

--
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opinions or views contained herein are not intended to be, and do not
constitute, advice within the meaning of Section 975 of the Dodd-Frank
Wall Street Reform and Consumer Protection Act. If you have received
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From: Byrd, Caren <Caren.Byrd@morganstanley.com>
Sent: Saturday, January 14, 2012 11:45 AM
To: 'Ditas Katague' <Dmk@CPUC.ca.gov>
Subject: 2/9

Checking in.
Do you have info on the Harvard .Club event on Thursday 2/9?

I was telling someone about it and wanted to share the details.

Thank you and have a good weekend.

Caren Byrd
Managing Director
Morgan Stanley
1212 761 8447

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From:	Katague, Ditas[ditas.katague@cpuc.ca.gov]
Sent:	Thursday, January 26, 2012 12:33 PM
To:	Byrd, Caren <Caren.Byrd@morganstanley.com>; Clifford Swint <Cliff@mfr.com>
Cc:	Katague, Ditas <Dmk@CPUC.ca.gov>
Subject:	Re: 2/9

Hi Caren,
We just got thru Senate confirmation! Clifford Swint is finalizing details and I've cc'd him so that he can send you the invite once it is finalized. In addition, I remember you had an excel sheet of invitees that you would like to include.

Ditas

Sent from my iPad

On Jan 14, 2012, at 11:45 AM, "Byrd, Caren" <Caren.Byrd@morganstanley.com> wrote:

> Checking in.
> Do you have info on the Harvard .Club event on Thursday 2/9?
>
> I was telling someone about it and wanted to share the details.
>
> Thank you and have a good weekend.
>
> Caren Byrd
> Managing Director
> Morgan Stanley
> 1212 761 8447

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From:	Byrd, Caren <Caren.Byrd@morganstanley.com>
Sent:	Sunday, January 29, 2012 6:21 PM
To:	Byrd, Caren <Caren.Byrd@morganstanley.com>; 'Katague, Ditas' <ditas.katague@cpuc.ca.gov>
Subject:	RE: Commissioner Sandoval suggested attendee list --- please confirm receipt
Attach:	Sandoval Invitation List.xls

Ditas

I was traveling last week --- please excuse the delay.

Here is the list again of suggested buy and sell side as well as rating agency representatives.
It has the most senior analyst at each company.
I would suggest explicitly telling people if they can send a substitute if they can not attend.
Please confirm that you get it. It may not have gotten to you when I first sent it a few weeks ago.

Caren Byrd, Managing Director
Morgan Stanley | Investment Banking Division
1585 Broadway | Floor 32
New York, NY 10036
Phone: +1 212 761-8447
Fax: +1 212 507-4863
Caren.Byrd@morganstanley.com

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To: Katague, Ditas
Subject: RE: Commissioner Sandoval

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Sent: Friday, January 06, 2012 5:03 PM
To: Byrd, Caren (IBD)
Cc: Jovita Chan; Jacqueline Clay
Subject: Commissioner Sandoval

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My contact info:
Ditas Katague
Chief of Staff to Commissioner Catherine J.K. Sandoval
916-322-8858
415-732-9887
Dmk@CPUC.ca.gov

Thanks so much.

Ditas

Sent from my iPad

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	A	B	C
1	Suggested Guide Isit for Chairman Sandoval's Harvard Club Meeting		
2	**Sell-Side Firm**	**Name**	**Email Address**
3	Barclays Capital	Dan Ford	dan.ford@barclayscapital.com
4	Bloomberg LP	Sam Brothwell	sbrothwell1@bloomberg.net
5	Bank of America	Steve Fleischman	Steve Fleishman (steven.fleishman@baml.com)
6	BMO Capital Markets	Mike Worms	michael.worms@bmo.com
7	Citi Investment	Brian Chin	brian.chin@citi.com
8	Credit Suisse	Dan Eggers	dan.eggers@credit-suisse.com
9	Deutsche Bank	Jonathan Arnold	jonathan.arnold@db.com
10	FBR Capital Markets	Marc de Croisset	mdecroisset@fbr.com
11	Goldman Sachs	Michael Lapides	michael.lapides@gs.com
12	ISI Group	Greg Gordon	GGordon@isigrp.com
13	Jefferies & Company	Paul Fremont	pfremont@jefco.com
14	Macquarie Equities	Angie Storozynski	angie.storozynski@macquarie.com
15	Morgan Stanley	Stephen Byrd	stephen.byrd@morganstanley.com
16	RBS Capital Markets	Shelby Tucker	shelby.tucker@rbccm.com
17	Sanford C.Bernstein & Co.	Hugh Wynne	hugh.wynne@bernstein.com
18	UBS	Jim von Riesemann	jim.vonriesemann@ubs.com
19	Wachovia Securities/Wells Fargo	Mike Bolte	michael.bolte@wachovia.com
20	Wunderlich Securities	Jay Dobson	JDobson@wundernet.com
21			
22	Bank of America	Peter Quinn	peter.d.quinn@baml.com
23	Barclays Capital	Jim Asselstine	james.asselstine@barclayscapital.com
24	Fitch Ratings	Phil Smyth	philip.smyth@fitchratings.com
25	Goldman Sachs	Ray Leung	raymond.m.leung@gs.com
26	S&P	Richard Cortright	richard_cortright@standardandpoors.com
27	Moodys	Jim Hempstead	james.hempstead@moodys.com
28	BNP Paribas	Barbara Chapman	barbara.chapman@us.bnpparibas.com
29	Morgan Stanley	Caren Byrd	caren.byrd@morganstanley.com

CPUC06841

From:	Byrd, Caren[Caren.Byrd@morganstanley.com]
Sent:	Sunday, January 29, 2012 7:21 PM
To:	Byrd, Caren <Caren.Byrd@morganstanley.com>; 'Katague, Ditas' <ditas.katague@cpuc.ca.gov>
Subject:	RE: Commissioner Sandoval suggested attendee list --- please confirm receipt
Attach:	Sandoval Invitation List.xls

D <<...>> itas

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Phone: +1 212 761-8447
Fax: +1 212 507-4863
Caren.Byrd@morganstanley.com

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Subject: Commissioner Sandoval

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My contact info:
Ditas Katague
Chief of Staff to Commissioner Catherine J.K. Sandoval
916-322-8858
415-732-9887
Dmk@CPUC.ca.gov

Thanks so much.

Ditas

Sent from my iPad

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4	Bloomberg LP	Sam Brothwell	sbrothwell1@bloomberg.net
5	Bank of America	Steve Fleischman	Steve Fleishman (steven.fleishman@baml.com)
6	BMO Capital Markets	Mike Worms	michael.worms@bmo.com
7	Citi Investment	Brian Chin	brian.chin@citi.com
8	Credit Suisse	Dan Eggers	dan.eggers@credit-suisse.com
9	Deutsche Bank	Jonathan Arnold	jonathan.arnold@db.com
10	FBR Capital Markets	Marc de Croisset	mdecroisset@fbr.com
11	Goldman Sachs	Michael Lapides	michael.lapides@gs.com
12	ISI Group	Greg Gordon	GGordon@isigrp.com
13	Jefferies & Company	Paul Fremont	pfremont@jefco.com
14	Macquarie Equities	Angie Storozynski	angie.storozynski@macquarie.com
15	Morgan Stanley	Stephen Byrd	stephen.byrd@morganstanley.com
16	RBS Capital Markets	Shelby Tucker	shelby.tucker@rbccm.com
17	Sanford C.Bernstein & Co.	Hugh Wynne	hugh.wynne@bernstein.com
18	UBS	Jim von Riesemann	jim.vonriesemann@ubs.com
19	Wachovia Securities/Wells Fargo	Mike Bolte	michael.bolte@wachovia.com
20	Wunderlich Securities	Jay Dobson	JDobson@wundernet.com
21			
22	Bank of America	Peter Quinn	peter.d.quinn@baml.com
23	Barclays Capital	Jim Asselstine	james.asselstine@barclayscapital.com
24	Fitch Ratings	Phil Smyth	philip.smyth@fitchratings.com
25	Goldman Sachs	Ray Leung	raymond.m.leung@gs.com
26	S&P	Richard Cortright	richard_cortright@standardandpoors.com
27	Moodys	Jim Hempstead	james.hempstead@moodys.com
28	BNP Paribas	Barbara Chapman	barbara.chapman@us.bnpparibas.com
29	Morgan Stanley	Caren Byrd	caren.byrd@morganstanley.com

CPUC06844

From: Katague, Ditas[ditas.katague@cpuc.ca.gov]
Sent: Sunday, January 29, 2012 7:24 PM
To: Caren.Byrd@morganstanley.com
Subject: Re: Commissioner Sandoval suggested attendee list --- please confirm receipt

---

Thanks Caren, I will forward this list to Cliff to get invitations sent.

----- Original Message -----
From: Byrd, Caren [mailto:Caren.Byrd@morganstanley.com]
Sent: Sunday, January 29, 2012 06:20 PM
To: Byrd, Caren <Caren.Byrd@morganstanley.com>; Katague, Ditas
Subject: RE: Commissioner Sandoval suggested attendee list --- please confirm receipt

Ditas

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Phone: +1 212 761-8447
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Caren.Byrd@morganstanley.com

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Subject: Commissioner Sandoval

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415-732-9887
Dmk@CPUC.ca.gov

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Sent from my iPad

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From:	Clifford Swint[Cliff@mfr.com]
Sent:	Monday, January 30, 2012 12:34 PM
To:	stephen.byrd@morganstanley.com
Cc:	Katague, Ditas <ditas.katague@cpuc.ca.gov>
Subject:	MFR Hosting Reception with CPUC Commissioner Sandoval at the Harvard Club of NY on February 9th 6-8pm
Attach:	Reception Invitation with Commr Sandoval v5 final.pdf

Stephen,

MFR will be hosting a welcome and reception next Thursday with CPUC Commissioner Sandoval next Thursday in New York.

In addition to a powerful group of banks, analysts and investors involved with the utility sector, also participating will be two New York State Commissioners. The panel will explore regulatory best practices from around the nation and how such decisions affect utility investment and cost of capital.

It would be my pleasure if you could attend however space is limited so let me know soon.

Warm regards,

Cliff

Clifford C. Swint, CFA
Executive Vice President
Capital Markets Group
MFR Securities, Inc.
675 Third Avenue, 11th Floor
New York, NY 10017

212-416-5035 Office
917-232-1591 Mobile
cliff@mfr.com

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Welcome and Reception

with

Commissioner Sandoval

California Public Utilities Commission

at

Harvard Club of New York

35 West 44th Street * New York, NY
Thursday February 9, 2012
6:00pm – 8:00pm

Program

6:00-6:30 Registration, Open Bar and Networking

6:30-6:35 Welcoming Remarks - Chairman Brown, NYS Public Service Commission

6:35-6:40 Panel Introduction - Christopher Ellinghaus, Senior Equity Analyst, Williams Capital

6:40-7:15 Panel: Comparative Regulatory Environments and how they Impact Wall Street Investment Decisions

Moderator: *[confirmation expected shortly]*

Panelists: *Hugh Wynne, Senior Research Analyst, Sanford C. Bernstein & Co.*
Karen Choi, Fixed Income Analyst, Capital Group Companies
Eric Seltenrich, Director Debt Capital Markets, Citigroup Global Markets
Richard Cortright, Managing Director, Standard and Poor's

7:15-7:20 Commr. Sandoval Introduction – Commissioner Curry, NYS Public Service Comm.

7:20-7:30 Remarks by Commissioner Sandoval

7:30-8:00 Open Bar and Networking

Spaced limited, rsvp no later than 2/8/12

proudly hosted by:

MFR Securities

Williams Capital

Lebenthal & Co.

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Monday, July 16, 2012 12:21 PM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Cc: cde@cpuc.ca.gov
Subject: Follow-Up to Voicemail

Hi Carol,

Hope all is well and that you remember our conversation a few months ago about California regulation.

We are going to be in San Francisco with investors to meet with PG&E management and are hoping to meet with you as well. The date is September 26 in the afternoon. Please let us know if you're available.

We are also reaching out to the Commissioners and Paul Clanon, but thought your insight would be great for investors.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, July 16, 2012 12:38 PM
To:	rsm@cpuc.ca.gov
Cc:	prw@cpuc.ca.gov; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Simon | Stephen Byrd, Morgan Stanley
Attach:	MeetingRequestFormCommSimon.doc; Stephen Byrd biography and picture.pdf

Good afternoon,

I respectfully submit this meeting request with Commissioner Simon on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon

MEETING REQUEST FORM

Please complete and return, as instructed:

☒ **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ ***For Fax, send all* to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. PERSON (and COMPANY) :	**Today's Date:**
Stephen Byrd (Morgan Stanley)	**7/16/2012**

2. REASON (please provide as much in a paragraph covering the subject and purpose of your meeting so it is clear why you would like to meet):

To discuss regulatory environment in California and meet with Utilities investors

3. Meeting parameters:

PROPOSED MEETING DATE(S) AND TIME (S)	☒ In Person ☐ By phone
9/26 afternoon	

PROPOSED STAFF: ☒ Comr. Simon ☐ Phyllis White ☐ Lauren Saine ☐ Rahmon Momoh ☐ Bishu Chatterjee

4. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☐ Cancel this meeting request ☒ Assign an advisor

5. INDUSTRY: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

6. IS THIS PROCEEDING SUBJECT TO SB 960? ☐ Yes ☒ No ☐ Do not know

7. IF SUBJECT TO SB 960, SELECT CATEGORY: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement:

I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:

0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting

2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))

0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___

8. DOCKET NUMBER(S) **PROCEEDING DESCRIPTION:**

9. IS THIS A COMMISSION MEETING AGENDA ITEM? ☐ Yes ☒ No ☐ Do not know

If yes, specify the anticipated Commission meeting: date: sequence or item number:

10. **LIST YOUR MEETING ATTENDEE(S).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Stephen Byrd	**Yes**	**Morgan Stanley**	**Executive Director**
Rajeev Lalwani	**No**	**Morgan Stanley**	**Vice President**
Austin Zeigler	**No**	**Morgan Stanley**	**Executive Director**

9. **CONTACT INFORMATION:**

Contact name: Rajeev Lalwani		**E-mail: Rajeev.lalwani@morganstanley.com**
Office phone: 212-761-8518	**Cell: 917-699-1008**	**Fax No.:**

Office use only:

TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

CPUC06853

CPUC06854

Stephen Byrd

Executive Director
Head of Morgan Stanley's North American Equity Research
for the Power & Utilities and Clean Energy sectors
Tel: (212) 761-3865
E-mail: Stephen.Byrd@morganstanley.com

- Prior to joining Morgan Stanley Equity Research, Stephen was Head of Corporate Strategy at NRG Energy, a Fortune 500 power generation and renewable energy development company.
- Prior to working at NRG Energy, Stephen held a number of executive positions in the industry, including:
  - CEO of an energy storage company;
  - Senior Vice President at PSEG, a Fortune 200 power company, where Stephen was in charge of Treasury, Finance, Corporate Planning and Strategy; Stephen was later promoted to President of PSEG Energy Holdings, a business unit of PSEG;
  - Investment banker for over 8 years in Morgan Stanley's Power & Utilities Group.
- Stephen has JD and MBA degrees from the University of Virginia, and a BBA degree from the College of William and Mary. He is a member of the New York Bar.

CPUC06855

From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com] <Stephen.Byrd@morganstanley.com>
Sent:	Monday, July 16, 2012 12:38 PM
To:	rsm@cpuc.ca.gov
Cc:	prw@cpuc.ca.gov; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Simon | Stephen Byrd, Morgan Stanley
Attach:	MeetingRequestFormCommSimon.doc; Stephen Byrd biography and picture.pdf

Good afternoon,

I respectfully submit this meeting request with Commissioner Simon on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon

MEETING REQUEST FORM

Please complete and return, as instructed:

☒ **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ ***For Fax, send all* to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. PERSON (and COMPANY) :	**Today's Date:**
Stephen Byrd (Morgan Stanley)	**7/16/2012**

2. REASON (please provide as much in a paragraph covering the subject and purpose of your meeting so it is clear why you would like to meet):

To discuss regulatory environment in California and meet with Utilities investors

3. Meeting parameters:

PROPOSED MEETING DATE(S) AND TIME (S)	☒ In Person ☐ By phone
9/26 afternoon	

PROPOSED STAFF: ☒ Comr. Simon ☐ Phyllis White ☐ Lauren Saine ☐ Rahmon Momoh ☐ Bishu Chatterjee

4. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☐ Cancel this meeting request ☒ Assign an advisor

5. INDUSTRY: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

6. IS THIS PROCEEDING SUBJECT TO SB 960? ☐ Yes ☒ No ☐ Do not know

7. IF SUBJECT TO SB 960, SELECT CATEGORY: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement:

I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:

0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting

2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))

0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___

8. DOCKET NUMBER(S) **PROCEEDING DESCRIPTION:**

9. IS THIS A COMMISSION MEETING AGENDA ITEM? ☐ Yes ☒ No ☐ Do not know

If yes, specify the anticipated Commission meeting: date: sequence or item number:

10. **LIST YOUR MEETING ATTENDEE(S).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Stephen Byrd	**Yes**	**Morgan Stanley**	**Executive Director**
Rajeev Lalwani	**No**	**Morgan Stanley**	**Vice President**
Austin Zeigler	**No**	**Morgan Stanley**	**Executive Director**

9. **CONTACT INFORMATION:**

Contact name: Rajeev Lalwani		**E-mail: Rajeev.lalwani@morganstanley.com**
Office phone: 212-761-8518	**Cell: 917-699-1008**	**Fax No.:**

Office use only:

TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

CPUC06859

CPUC06860

Stephen Byrd

Executive Director
Head of Morgan Stanley's North American Equity Research
for the Power & Utilities and Clean Energy sectors
Tel: (212) 761-3865
E-mail: Stephen.Byrd@morganstanley.com

- Prior to joining Morgan Stanley Equity Research, Stephen was Head of Corporate Strategy at NRG Energy, a Fortune 500 power generation and renewable energy development company.

- Prior to working at NRG Energy, Stephen held a number of executive positions in the industry, including:

  - CEO of an energy storage company;

  - Senior Vice President at PSEG, a Fortune 200 power company, where Stephen was in charge of Treasury, Finance, Corporate Planning and Strategy; Stephen was later promoted to President of PSEG Energy Holdings, a business unit of PSEG;

  - Investment banker for over 8 years in Morgan Stanley's Power & Utilities Group.

- Stephen has JD and MBA degrees from the University of Virginia, and a BBA degree from the College of William and Mary. He is a member of the New York Bar.

From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com]
Sent:	Monday, July 16, 2012 12:42 PM
To:	joan.dahlgren@cpuc.ca.gov
Cc:	sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Florio | Stephen Byrd, Morgan Stanley
Attach:	REVISEDMEETINGREQUESTComm Florio.doc

Good afternoon,

I respectfully submit this meeting request with Commissioner Florio on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 7/16/2012
Party requesting meeting: Stephen Byrd, Executive Director (Morgan Stanley)
Docket # and Short Name: N/A
Reason for the meeting: Meeting investors of Utilities in California to discuss regulatory climate
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (√) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (√)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (√) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (√) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (√)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (√)
Attendees (name, title, company) Attach additional sheet if necessary: Stephen Byrd, Executive Director, Morgan Stanley Rajeev Lalwani, Vice President, Morgan Stanley Austin Zeigler, Executive Director, Morgan Stanley
Proposed date/time of meeting: Sept 26th / Afternoon
Contact name, Phone, e-mail: Rajeev Lalwani, 212-761-8518, Rajeev.lalwani@morganstanley.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, July 16, 2012 12:45 PM
To:	jovita.chan@cpuc.ca.gov
Cc:	dmk@cpuc.ca.gov; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Sandoval | Stephen Byrd, Morgan Stanley
Attach:	SandovalMeetingReqForm.doc

Good afternoon,

I respectfully submit this meeting request with Commissioner Sandoval on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 7/16/2012
Party requesting meeting: Stephen Byrd, Executive Director, Morgan Stanley
Docket # and Short Name: N/A
Reason for the meeting: Meeting investors of Utilities in California to discuss regulatory climate
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (√) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (√)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (√) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (√) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (√)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (√)
Attendees (name, title, company): Stephen Byrd, Executive Director, Morgan Stanley Rajeev Lalwani, Vice President, Morgan Stanley Austin Zeigler, Executive Director, Morgan Stanley
Proposed date/time of meeting: Sept 26th / Afternoon
Contact name, Phone, e-mail: Rajeev Lalwani, 212-761-8518, Rajeev.lalwani@morganstanley.com
---For Internal Use Only --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague (dmk@cpuc.ca.gov)

Revised 2011-09-12

From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com] <Stephen.Byrd@morganstanley.com>
Sent:	Monday, July 16, 2012 12:45 PM
To:	jovita.chan@cpuc.ca.gov
Cc:	dmk@cpuc.ca.gov; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Sandoval | Stephen Byrd, Morgan Stanley
Attach:	SandovalMeetingReqForm.doc

Good afternoon,

I respectfully submit this meeting request with Commissioner Sandoval on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

Today's Date: 7/16/2012
Party requesting meeting: Stephen Byrd, Executive Director, Morgan Stanley
Docket # and Short Name: N/A
Reason for the meeting: Meeting investors of Utilities in California to discuss regulatory climate
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (√) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (√)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (√) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (√) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (√)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (√)
Attendees (name, title, company): Stephen Byrd, Executive Director, Morgan Stanley Rajeev Lalwani, Vice President, Morgan Stanley Austin Zeigler, Executive Director, Morgan Stanley
Proposed date/time of meeting: Sept 26th / Afternoon
Contact name, Phone, e-mail: Rajeev Lalwani, 212-761-8518, Rajeev.lalwani@morganstanley.com
---For Internal Use Only --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague (dmk@cpuc.ca.gov)

Revised 2011-09-12

From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com] <Stephen.Byrd@morganstanley.com>
Sent:	Monday, July 16, 2012 12:48 PM
To:	bnk@cpuc.ca.gov
Cc:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Ferron | Stephen Byrd, Morgan Stanley
Attach:	MeetingRequest_Ferron by Stephen Byrd.doc

Good afternoon,

I respectfully submit this meeting request with Commissioner Ferron on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

☒ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting:	**Today's Date:**
Stephen Byrd, Executive Director (Morgan Stanley)	7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon ☒ **In Person** ☐ **By phone**

Proposed staff: ☒ **Comr. Ferron*** ☐ **Charlotte TerKeurst** ☐ **Michael Colvin** ☐ **Sara Kamins** ☐ **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☐ Cancel this meeting request ☒ Assign an advisor

6. Industry: ☒ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**

7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☐ No

7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No
If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani		**E-mail: Rajeev.lalwani@morganstanley.com**
Office phone: 212-761-8518	**Cell: 917-699-1008**	**Fax No.:**

Office use only:

FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, July 16, 2012 12:48 PM
To:	Banks, Juliane <bnk@cpuc.ca.gov>
Cc:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with Commissioner Ferron | Stephen Byrd, Morgan Stanley
Attach:	MeetingRequest_Ferron by Stephen Byrd.doc

Good afternoon,

I respectfully submit this meeting request with Commissioner Ferron on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
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☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting:	**Today's Date:**
Stephen Byrd, Executive Director (Morgan Stanley)	7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon ☒ **In Person** ☐ **By phone**

Proposed staff: ☒ **Comr. Ferron*** ☐ **Charlotte TerKeurst** ☐ **Michael Colvin** ☐ **Sara Kamins** ☐ **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☐ Cancel this meeting request ☒ Assign an advisor

6. Industry: ☒ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**

7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☐ No

7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No
If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani		**E-mail: Rajeev.lalwani@morganstanley.com**
Office phone: 212-761-8518	**Cell: 917-699-1008**	**Fax No.:**

Office use only:

FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com] <Stephen.Byrd@morganstanley.com>
Sent:	Monday, July 16, 2012 1:01 PM
To:	NUR@cpuc.ca.gov
Cc:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Meeting request with President Peevey | Stephen Byrd, Morgan Stanley
Attach:	PRESIDENT PEEVEY MEETING REQUEST FORM.doc

Good afternoon Nuria,

I respectfully submit this meeting request with President Peevey on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 7/16/2012
Docket or proceeding # N/A
Reason for the meeting: Meeting with Utilities investors in California to discuss regulatory environment
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Stephen Byrd, Executive Director, Morgan Stanley Rajeev Lalwani, Vice President, Morgan Stanley Austin Zeigler, Executive Director, Morgan Stanley
Proposed date/time of meeting: Sept. 26th / Afternoon
Contact name: Rajeev Lalwani
Contact phone: (office) 212-761-8518 / (cell) 917-699-1008

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, July 16, 2012 1:01 PM
To:	Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Cc:	Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>
Subject:	RE: Meeting Request Form

Thanks Cody.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Monday, July 16, 2012 3:51 PM
To: Yeboah, Georgina (Research)
Cc: Gonzalez, Nuria
Subject: Meeting Request Form

FYI

Cody W. Goldthrite
California Public Utilities Commission
Office of President Peevey
505 Van Ness Avenue, San Francisco, CA 94102
(415) 703-2722
(415) 703-5091 (fax)
Email: cde@cpuc.ca.gov

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From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com]
Sent:	Monday, July 16, 2012 1:07 PM
To:	CDE@cpuc.ca.gov
Cc:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	FW: Meeting request with President Peevey | Stephen Byrd, Morgan Stanley
Attach:	PRESIDENT PEEVEY MEETING REQUEST FORM.doc

Hi Cody,

Are you able to assist in Nuria's absence?

Thanks,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Yeboah, Georgina (Research) **On Behalf Of** Byrd, Stephen (Research)
Sent: Monday, July 16, 2012 4:01 PM
To: 'NUR@cpuc.ca.gov'
Cc: Lalwani, Rajeev (Research)
Subject: Meeting request with President Peevey | Stephen Byrd, Morgan Stanley

Good afternoon Nuria,

I respectfully submit this meeting request with President Peevey on behalf of Stephen Byrd of Morgan Stanley. Proposed time frame is during the afternoon on September 26th. The purpose is to discuss the regulatory climate within the state of California with regards to the Utilities sector.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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MICHAEL R. PEEVEY
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3703, FAX 415-703-5091

MEETING REQUEST FORM

(X) Party requesting meeting: ( ) Party requesting conference call:
Today's date: 7/16/2012
Docket or proceeding # N/A
Reason for the meeting: Meeting with Utilities investors in California to discuss regulatory environment
Industry (*please indicate with an X*) **ENERGY (X) TELECOMMUNICATIONS ( ) TRANSPORTATION ( ) WATER ( )**
SB 960 category: (*please indicate with an X*) ADJUDICATORY ( ) QUASI-LEGISLATIVE ( ) RATE SETTING ( ) NO PROCEEDING (X)
Is this the initial meeting on a rate setting proceeding?* No
Is this an equal time meeting? YES( ) NO(X)
Has or will a hearing be held in this matter? YES( ) NO(X)
Attendees (name, title, company): Stephen Byrd, Executive Director, Morgan Stanley Rajeev Lalwani, Vice President, Morgan Stanley Austin Zeigler, Executive Director, Morgan Stanley
Proposed date/time of meeting: Sept. 26th / Afternoon
Contact name: Rajeev Lalwani
Contact phone: (office) 212-761-8518 / (cell) 917-699-1008

The rules of Practice and Procedure, Rule 8.2(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Pres. Peevey.*

Please contact our office to confirm your meeting two days prior to your scheduled date/time.

Email meeting request to Nuria Gonzalez at NUR@cpuc.ca.gov
Revised

From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent:	Tuesday, July 17, 2012 10:17 AM
To:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Cc:	Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>; Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Follow-Up to Voicemail

Great. Let's hold 1pm. We will be with PG&E from 8-11am and that gives us (and you) time for lunch.

Please pass on to Paul Clanon also. Can do the meeting jointly or separately from him.

Thanks again.

-Rajeev

From: Brown, Carol A. [mailto:carol.brown@cpuc.ca.gov]
Sent: Tuesday, July 17, 2012 1:12 PM
To: Lalwani, Rajeev (Research)
Cc: Goldthrite, Cody
Subject: RE: Follow-Up to Voicemail

Hello: As we discussed, I am available on 9/26 and would be happy to meet with you. Once you have a time, please contact Cody and he will put it on my calendar.
cde@cpuc.ca.gov
415-703-2722

Thanks
Carol

From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Monday, July 16, 2012 12:21 PM
To: Brown, Carol A.
Cc: Goldthrite, Cody
Subject: Follow-Up to Voicemail

Hi Carol,

Hope all is well and that you remember our conversation a few months ago about California regulation.

We are going to be in San Francisco with investors to meet with PG&E management and are hoping to meet with you as well. The date is September 26 in the afternoon. Please let us know if you're available.

We are also reaching out to the Commissioners and Paul Clanon, but thought your insight would be great for investors.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, July 17, 2012 10:53 AM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: Accepted: Morgan Stanley | Research
Attach: Untitled Attachment

NOTICE: Morgan Stanley is not acting as a municipal advisor and the opinions or views contained herein are not intended to be, and do not constitute, advice within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. If you have received this communication in error, please destroy all electronic and paper copies and notify the sender immediately. Mistransmission is not intended to waive confidentiality or privilege. Morgan Stanley reserves the right, to the extent permitted under applicable law, to monitor electronic communications. This message is subject to terms available at the following link: http://www.morganstanley.com/disclaimers. If you cannot access these links, please notify us by reply message and we will send the contents to you. By messaging with Morgan Stanley you consent to the foregoing.

.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley | Research

CPUC06882

From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent:	Tuesday, July 17, 2012 11:46 AM
To:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley | Research
Attach:	Untitled Attachment

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.

From: Lalwani, Rajeev [Rajeev.Lalwani@morganstanley.com]
Subject: Accepted: Morgan Stanley | Research

CPUC06884

From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent:	Wednesday, July 18, 2012 11:36 AM
To:	Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>
Subject:	Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	Untitled Attachment

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.

From: Lalwani, Rajeev [Rajeev.Lalwani@morganstanley.com]
Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

CPUC06886

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, July 18, 2012 11:45 AM
To: cristine.fernandez@cpuc.ca.gov
Cc: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

---

Christine, I believe the month is off on this… It's supposed to be Wednesday, 9/26 (came in as 7/26). And could it be for 2:00PM your time? We are meeting with Paul Clanon and Carol Brown at 1:00PM.

Best,

Rajeev

-----Original Appointment-----
From: Lalwani, Rajeev (Research)
Sent: Wednesday, July 18, 2012 2:36 PM
To: Momoh, Rahmon O.
Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Thursday, July 26, 2012 5:30 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Room 5209

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Wednesday, July 18, 2012 4:06 PM
To: 'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject: Meeting_Request_with_MorganStanley_dated_07_16_12--Meeting Confirmation
Attach: Meeting_Request_with_MorganStanley_dated_07_16_12.doc

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State of California

Memorandum

Date: July 18, 2012

To: Rajeev Lalwani – Morgan Stanley

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Your meeting request dated 7/16/12**

This will confirm the meeting shown above has been set for (September 26, 2:30pm), (Room 5200—Commissioner Florio's Office or Room 5209) with (Commissioner Florio, Matthew Tisdale). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date.*

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

*If more than the listed attendees will be coming, please let us know as soon as possible so we can book the appropriate size meeting room. Thank you.

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Friday, July 20, 2012 1:26 PM
To:	cristine.fernandez@cpuc.ca.gov
Subject:	RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

I received a message from co-worker that a 2:30 pm meeting had tentatively been scheduled with Commissioner Simon on 9/26. We would like to confirm the meeting with Commissioner Simon, if that is possible. Will Mr. Rahmon Momoh sit in on that meeting as well?

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Lalwani, Rajeev (Research)
Sent: Wednesday, July 18, 2012 2:45 PM
To: cristine.fernandez@cpuc.ca.gov
Cc: Yeboah, Georgina (Research)
Subject: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Christine, I believe the month is off on this… It's supposed to be Wednesday, 9/26 (came in as 7/26). And could it be for 2:00PM your time? We are meeting with Paul Clanon and Carol Brown at 1:00PM.

Best,

Rajeev

-----Original Appointment-----
From: Lalwani, Rajeev (Research)
Sent: Wednesday, July 18, 2012 2:36 PM
To: Momoh, Rahmon O.
Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Thursday, July 26, 2012 5:30 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Room 5209

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, July 23, 2012 8:57 AM
To:	Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

Thank you. What time is the meeting? I don't want to assume an incorrect time.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, July 23, 2012 11:53 AM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Good Morning Georgina,

I scheduled that meeting with Commissioner Simon Chief of Staff, Phyllis White and Rahmon only.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Friday, July 20, 2012 1:26 PM
To: Fernandez, Cristine
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

I received a message from co-worker that a 2:30 pm meeting had tentatively been scheduled with Commissioner Simon on 9/26. We would like to confirm the meeting with Commissioner Simon, if that is possible. Will Mr. Rahmon Momoh sit in on that meeting as well?

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978

Georgina.Yeboah@morganstanley.com

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eev (Research)
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dez@cpuc.ca.gov
ina (Research)
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Best,

Rajeev

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Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
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From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 10:41 AM
To:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; cristine.fernandez@cpuc.ca.gov
Subject:	2 pm PDT / Meet between Phyllis White (Commissioner Simon's Chief of Staff) & Rahmon Momoh (Advisor)| Stephen Byrd (Morgan Stanley)
Attach:	Untitled Attachment

When: Wednesday, September 26, 2012 2:00 PM-3:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: San Fran

~~*~*~*~*~*~*~*~*

2 pm

Ms. Cristine Fernandez

Office of Commissioner Timothy A. Simon

415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Monday, July 23, 2012 8:57 AM
To: Fernandez, Cristine
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

Thank you. What time is the meeting? I don't want to assume an incorrect time.

Regards,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, July 23, 2012 11:53 AM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Good Morning Georgina,

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Ms. Cristine Fernandez

Office of Commissioner Timothy A. Simon

415-703-3712

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.

Subject: 2 pm PDT / Meet between Phyllis White (Commissioner Simon's Chief of Staff) & Rahmon Momoh (Advisor)| Stephen Byrd (Morgan Stanley)
Location: San Fran

Start: Wed 9/26/2012 11:00 AM
End: Wed 9/26/2012 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Byrd, Stephen

2 pm
Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712
From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Monday, July 23, 2012 8:57 AM
To: Fernandez, Cristine
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Hi Cristine,
Thank you. What time is the meeting? I don't want to assume an incorrect time.
Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com<mailto:Georgina.Yeboah@morganstanley.com>

Be carbon conscious. Please consider our environment before printing this email.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]<mailto:[mailto:cristine.fernandez@cpuc.ca.gov]>
Sent: Monday, July 23, 2012 11:53 AM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Good Morning Georgina,
I scheduled that meeting with Commissioner Simon Chief of Staff, Phyllis White and Rahmon only.
Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 10:42 AM
To:	'Momoh, Rahmon O.' <rahmon.momoh@cpuc.ca.gov>
Subject:	Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	Untitled Attachment

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From: Lalwani, Rajeev [Rajeev.Lalwani@morganstanley.com]
Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

CPUC06897

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 10:44 AM
To:	Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

I sent an Outlook invitation, you are welcome to ignore it. I saw yours afterwards and accepted it.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, July 23, 2012 12:04 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

2 pm

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Monday, July 23, 2012 8:57 AM
To: Fernandez, Cristine
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

Thank you. What time is the meeting? I don't want to assume an incorrect time.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, July 23, 2012 11:53 AM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Good Morning Georgina,

I scheduled that meeting with Commissioner Simon Chief of Staff, Phyllis White and Rahmon only.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Friday, July 20, 2012 1:26 PM
To: Fernandez, Cristine
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Hi Cristine,

I received a message from co-worker that a 2:30 pm meeting had tentatively been scheduled with Commissioner Simon on 9/26. We would like to confirm the meeting with Commissioner Simon, if that is possible. Will Mr. Rahmon Momoh sit in on that meeting as well?

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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---

eev (Research)
uly 18, 2012 2:45 PM
dez@cpuc.ca.gov
ina (Research)
eeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Christine, I believe the month is off on this… It's supposed to be Wednesday, 9/26 (came in as 7/26). And could it be for 2:00PM your time? We are meeting with Paul Clanon and Carol Brown at 1:00PM.

Best,

Rajeev

-----Original Appointment-----
From: Lalwani, Rajeev (Research)
Sent: Wednesday, July 18, 2012 2:36 PM
To: Momoh, Rahmon O.
Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Thursday, July 26, 2012 5:30 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada).

Where: Room 5209

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 10:55 AM
To:	Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Last confirmation, I promise...is the meeting for 30 minutes or an hour?

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina (Research)
Sent: Wednesday, July 25, 2012 1:44 PM
To: 'Fernandez, Cristine'
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, July 23, 2012 12:04 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

2 pm

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Office of Commissioner Timothy A. Simon
415-703-3712

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Thank you. What time is the meeting? I don't want to assume an incorrect time.

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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
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Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

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I scheduled that meeting with Commissioner Simon Chief of Staff, Phyllis White and Rahmon only.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

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Sent: Friday, July 20, 2012 1:26 PM
To: Fernandez, Cristine
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

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Regards,
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Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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eev (Research)
uly 18, 2012 2:45 PM
dez@cpuc.ca.gov
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eeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Christine, I believe the month is off on this… It's supposed to be Wednesday, 9/26 (came in as 7/26). And could it be for 2:00PM your time? We are meeting with Paul Clanon and Carol Brown at 1:00PM.

Best,

Rajeev

-----Original Appointment-----
From: Lalwani, Rajeev (Research)
Sent: Wednesday, July 18, 2012 2:36 PM
To: Momoh, Rahmon O.
Subject: Accepted: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Thursday, July 26, 2012 5:30 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Room 5209

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane <bnk@cpuc.ca.gov>
Cc: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent:	Wednesday, July 25, 2012 11:21 AM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov] <mark.ferron@cpuc.ca.gov>
Sent:	Wednesday, July 25, 2012 11:27 AM
To:	stephen.byrd@morganstanley.com; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; rajeev.lalwani@morganstanley.com; Georgina.Yeboah@morganstanley.com
Subject:	Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	meeting.ics

BNK 7/25/12 – list of attendees pending

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

1. Person (and company) requesting meeting:

Stephen Byrd, Executive Director (Morgan Stanley) **Today's Date**:

7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon **In Person** **By phone**

Proposed staff: Comr. Ferron* **Charlotte TerKeurst** **Michael Colvin** **Sara Kamins** **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):

If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy** **Telecom** **Transportation** **Water** **General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes

No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know

If yes, specify the anticipated Commission meeting: date: Agenda Item number:

8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name Company Title
Stephen Byrd Morgan Stanley Executive Director
Rajeev Lalwani Morgan Stanley Vice President
Austin Zeigler Morgan Stanley Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani E-mail: Rajeev.lalwani@morganstanley.com
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:

Office use only:

FER CFT MC3 SMK CHH **Comments:**

Confirmed date:

Confirmed time:

.

Subject: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Location: Room 5305

Start: Wed 9/26/2012 3:00 PM
End: Wed 9/26/2012 4:00 PM

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Ferron, Mark J.

BNK 7/25/12 – list of attendees pending

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

1. Person (and company) requesting meeting:

Stephen Byrd, Executive Director (Morgan Stanley) Today's Date:

7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon In Person By phone
Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):

If the Commissioner is unavailable: Cancel this meeting request Assign an advisor
6. Industry: Energy Telecom Transportation Water General
7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No
7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President

Austin Zeigler Morgan Stanley Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani E-mail: Rajeev.lalwani@morganstanley.com
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:

Office use only:

FER CFT MC3 SMK CHH Comments:

Confirmed date:

Confirmed time:

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 11:33 AM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	Untitled Attachment

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.

From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

CPUC06911

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Georgina.Yeboah@morganstanley.com
Sent:	Wednesday, July 25, 2012 11:33 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	meeting.ics

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From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 11:37 AM
To:	Ferron, Mark J. <mark.ferron@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	Untitled Attachment

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From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

CPUC06915

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, July 25, 2012 11:37 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	meeting.ics

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From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

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From:	Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent:	Thursday, July 26, 2012 12:00 PM
To:	Georgina.Yeboah@morganstanley.com
Subject:	REVISED_Meeting_Request_with_MorganStanley_dated_07_16_12
Attach:	REVISED_Meeting_Request_with_MorganStanley_dated_07_16_12.doc

Hi Georgina,

Here's the revised meeting request for your records detailing what we discussed on the phone today. Please let me know if you have any other questions.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

State of California

Memorandum

Date: July 18, 2012

To: Georgina Yeeboah– Morgan Stanley

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Your meeting request dated 7/16/12**

This will confirm the meeting shown above has been set for (September 26, 2:30pm), (Room 5209) with (Commissioner Florio, Matthew Tisdale). Please check in at the Security Desk in the main lobby to obtain a security badge before proceeding to your meeting. **If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date, preferably two weeks prior.**

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request, and we look forward to seeing you at the PUC.

From:	Yeboah, Georgina[Georgina.Yeboah@morganstanley.com]
Sent:	Wednesday, August 1, 2012 1:12 PM
To:	jovita.chan@cpuc.ca.gov
Cc:	dmk@cpuc.ca.gov; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	SandovalMeetingReqForm.doc
Attach:	SandovalMeetingReqForm.doc

Hi Jovita,

I am following up on the attached meeting request with Commissioner Sandoval on Sept 26th on behalf of Stephen Byrd, Morgan Stanley. At this point in time, we have secured meetings with all of the Commission during the afternoon. Is Commissioner Sandoval available for a 4 pm meeting? If not, would it be possible to schedule an Advisor?

Please feel free to call me at 212-761-6978 or e-mail: georgina.yeboah@morganstanley.com

Regards,
Georgina

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Commissioner Catherine J.K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-3700, FAX 415-703-3352

MEETING REQUEST FORM

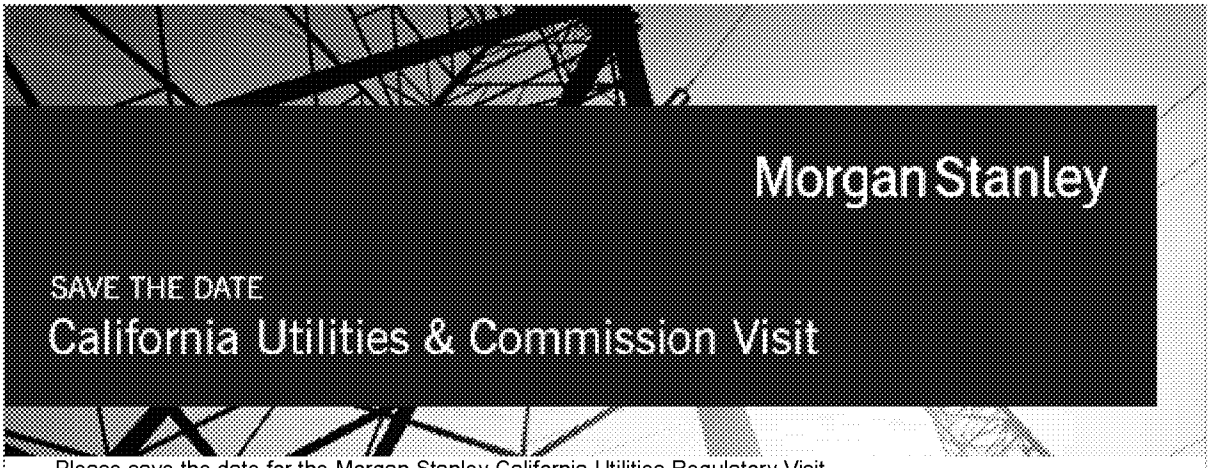
Today's Date: 7/16/2012
Party requesting meeting: Stephen Byrd, Executive Director, Morgan Stanley
Docket # and Short Name: N/A
Reason for the meeting: Meeting investors of Utilities in California to discuss regulatory climate
If the commissioner is not available, are you willing to meet with an advisor only?
Industry: Energy (√) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (√)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (√) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (√) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* (√)
Has or will a hearing be held in this matter? *Yes* ( ) *No* (√)
Attendees (name, title, company): Stephen Byrd, Executive Director, Morgan Stanley Rajeev Lalwani, Vice President, Morgan Stanley Austin Zeigler, Executive Director, Morgan Stanley
Proposed date/time of meeting: Sept 26th / Afternoon
Contact name, Phone, e-mail: Rajeev Lalwani, 212-761-8518, Rajeev.lalwani@morganstanley.com
---For Internal Use Only --- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr. Sandoval.*

Email meeting request to Jovita Chan (jovita.chan@cpuc.ca.gov)
Please cc Ditas Katague (dmk@cpuc.ca.gov)

Revised 2011-09-12

From: Stephen Byrd <stephen.byrd@morganstanley.com>
Sent: Friday, August 3, 2012 6:17 AM
To: Mark Ferron <mark.ferron@cpuc.ca.gov>
Subject: SAVE THE DATE: Morgan Stanley Field Trip - California Utilities & Commission Visit | Sept. 26th & 27th



Please save the date for the Morgan Stanley California Utilities Regulatory Visit.

Wednesday, September 26, 2012
PG&E Corp Management & California Public Utilities Commission
San Francisco, CA

Thursday, September 27, 2012
Edison International Management & Sempra Energy Management
Rosemead & San Diego, CA

We are pleased to announce that the Morgan Stanley California Utilities & Commission Visit will take place on Wednesday, September 26 - Thursday, September 27, 2012.

No response is necessary. An invitation will follow shortly.

Please contact your Morgan Stanley Representative with any questions.

Morgan Stanley seeks to comply with U.S. federal, state and local regulations, including those which impose reporting requirements and constraints on the expenses that Morgan Stanley may pay on behalf of public officials and employees of government owned or controlled entities, as well as with anti-corruption laws of various countries, including the Foreign Corrupt Practices Act and the UK Bribery Act. This notice is to inform you that Morgan Stanley may be required to report expenditures made on your behalf under applicable laws. Further, you acknowledge that reimbursement may be required if applicable laws, regulations or policies prohibit Morgan Stanley from making expenditures on your behalf. Therefore, to the extent that applicable laws, regulations or policies of your employer, including a municipality, state, country, agency or other government entity, require you as an attendee to pay any part of the costs of attending this event, please contact your Morgan Stanley relationship manager or event planner listed above to make the necessary arrangements (i.e., payment, reimbursement, or other means). This notice is not an offer to provide you with meals or anything else of value if applicable laws or rules would not permit it.

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From:	Malliett, Valerie[valerie.malliett@cpuc.ca.gov]
Sent:	Friday, August 3, 2012 1:49 PM
To:	Rajeev.lalwani@morganstanley.com
Subject:	confirming meeting

You are scheduled to meet with Commissioner Sandoval's advisors Colette Kersten (Energy), Stephen St. Marie (Energy and Water) and William Johnston (Telecommunications) at 4:00pm on Wednesday, September 26 in room 5305. This room is large enough to accommodate 20 to 25 people.

Please let me know if you have any questions.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

From:	Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent:	Friday, August 3, 2012 4:07 PM
To:	Malliett, Valerie <valerie.malliett@cpuc.ca.gov>
Cc:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: confirming meeting

Thanks again Valerie

From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Friday, August 03, 2012 4:49 PM
To: Lalwani, Rajeev (Research)
Subject: confirming meeting

You are scheduled to meet with Commissioner Sandoval's advisors Colette Kersten (Energy), Stephen St. Marie (Energy and Water) and William Johnston (Telecommunications) at 4:00pm on Wednesday, September 26 in room 5305. This room is large enough to accommodate 20 to 25 people.

Please let me know if you have any questions.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, August 8, 2012 7:22 AM
To:	cde@cpuc.ca.gov
Subject:	Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, August 8, 2012 7:30 AM
To: Georgina.Yeboah@morganstanley.com
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Wednesday, August 8, 2012 7:34 AM
To: Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Excellent, thank you.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 10:30 AM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, August 8, 2012 7:51 AM
To:	cristine.fernandez@cpuc.ca.gov
Subject:	Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov]
Sent:	Wednesday, August 8, 2012 7:51 AM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	Automatic reply: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

I am out of the office and will return Monday, August 13, 2012.

If you need to speak with staff please call the office at 415-703-1407. Thank you and have a wonderful day.

From:	Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov] <carol.brown@cpuc.ca.gov>
Sent:	Wednesday, August 8, 2012 8:08 AM
To:	'Rajeev.Lalwani@morganstanley.com'; 'Georgina.Yeboah@morganstanley.com'
Cc:	Clanon, Paul <paul.clanon@cpuc.ca.gov>; Madrigal, Anna-Marie <anna-marie.madrigal@cpuc.ca.gov>
Subject:	Updated: Morgan Stanley | Research
Attach:	fileno 0

When: Wednesday, September 26, 2012 1:00 PM-1:30 PM (GMT-08:00) Pacific Time (US & Canada).

Where: Room 5305

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*

Hope all is well and that you remember our conversation a few months ago about California regulation.

We are going to be in San Francisco with investors to meet with PG&E management and are hoping to meet with you as well. The date is September 26 in the afternoon. Please let us know if you're available.

We are also reaching out to the Commissioners and Paul Clanon, but thought your insight would be great for investors.

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

.

Subject: Updated: Morgan Stanley | Research
Location: Room 5305

Start: Wed 9/26/2012 1:00 PM
End: Wed 9/26/2012 1:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Brown, Carol A.

Hope all is well and that you remember our conversation a few months ago about California regulation.
We are going to be in San Francisco with investors to meet with PG&E management and are hoping to meet with you as well. The date is September 26 in the afternoon. Please let us know if you're available.
We are also reaching out to the Commissioners and Paul Clanon, but thought your insight would be great for investors.
Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com<mailto:Rajeev.Lalwani@morganstanley.com>

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, August 8, 2012 8:09 AM
To:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject:	Accepted: Updated: Morgan Stanley | Research
Attach:	Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Updated: Morgan Stanley | Research

CPUC06934

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, August 8, 2012 8:09 AM
To:	Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>; Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject:	Accepted: Updated: Morgan Stanley | Research
Attach:	Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Updated: Morgan Stanley | Research

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From:	Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov]
Sent:	Monday, August 13, 2012 12:52 PM
To:	'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, August 14, 2012 2:34 PM
To: Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Thank you very much.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov] <timothy.simon@cpuc.ca.gov>
Sent: Friday, August 17, 2012 11:30 AM
To: 'Kim Brandon' <kimberly.brandon@morganstanley.com>
Subject: Canceled: Confirmed: Loop Capital Closing Dinner
Attach: fileno 0

We have secured a location for the PG&E closing dinner. It will be held on Tuesday, August 28th at Kuleto's Italian Restaurant in San Francisco. Cocktails will be served from 5:30-6PM with dinner following at 6PM. The restaurant is located at the Villa Florence Hotel in San Francisco. For those who will require a hotel room, please let me know and I will get back to you with the details you'll need when booking as I am currently working with hotel staff to secure special room pricing. Please respond with any questions or concerns.

Kuleto's Italian Restaurant
221 Powell Street | San Francisco, CA 94102
www.kuletos.com

Regards,
Linzy Shannon | Loop Capital
Administrative Assistant
Investment Banking Division - Corporate
111 West Jackson Blvd., Suite 1901 | Chicago, IL 60604
Direct Tel: 312.913.2221 | Fax: 312.922.7137 | Toll Free: 888.294.8898
Email: Linzy.Shannon@loopcapital.com | www.loopcapital.com

.

Subject:	Canceled: Confirmed: Loop Capital Closing Dinner
Location:	Kuleto's Italian Restaurant, 221 Powell Street, San Francisco, CA
Start:	Tue 8/28/2012 5:30 PM
End:	Tue 8/28/2012 9:30 PM
Show Time As:	Free
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Simon, Timothy A.
Importance:	High

We have secured a location for the PG&E closing dinner. It will be held on Tuesday, August 28th at Kuleto's Italian Restaurant in San Francisco. Cocktails will be served from 5:30-6PM with dinner following at 6PM. The restaurant is located at the Villa Florence Hotel in San Francisco. For those who will require a hotel room, please let me know and I will get back to you with the details you'll need when booking as I am currently working with hotel staff to secure special room pricing. Please respond with any questions or concerns.

Kuleto's Italian Restaurant
221 Powell Street | San Francisco, CA 94102
www.kuletos.com<http://www.kuletos.com>

Regards,
Linzy Shannon | Loop Capital
Administrative Assistant
Investment Banking Division - Corporate
111 West Jackson Blvd., Suite 1901 | Chicago, IL 60604
Direct Tel: 312.913.2221 | Fax: 312.922.7137 | Toll Free: 888.294.8898
Email: Linzy.Shannon@loopcapital.com<mailto:Linzy.Shannon@loopcapital.com> |
www.loopcapital.com<http://www.loopcapital.com/>

From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 6, 2012 8:54 AM
To: Georgina.Yeboah@morganstanley.com; 'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject: Need to change time of your September 26 Meeting with Commissioner Florio

---

Commissioner Florio has just been informed that he needs to be present for a hearing that is taking place on September 26 from 1:30-3:00. I would like to reschedule your meeting for 11:00 on that day. Please let me know if this will work and also please confirm if you will be adding any attendees to your original list so I have this information for our records and make sure we have an appropriate size meeting room. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Thursday, September 6, 2012 10:10 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	RE: Need to change time of your September 26 Meeting with Commissioner Florio

Hi Joan,

Would it be possible to hold the meeting at 12:30 pm? The travelers will be at another meeting site at 11 am.

Or I can reach out to Commissioner Sandoval's office to see if they can switch times. They are slated for 4 pm and theirs is a 30 minute meeting as well.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 11:54 AM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: Need to change time of your September 26 Meeting with Commissioner Florio
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From:	Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent:	Thursday, September 6, 2012 10:21 AM
To:	'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Need to change time of your September 26 Meeting with Commissioner Florio

Hi Georgina,

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Thursday, September 6, 2012 10:33 AM
To: Malliett, Valerie <valerie.malliett@cpuc.ca.gov>
Subject: RE: confirming meeting

Hi Valerie,

Hope this e-mail finds you doing well.

Would Commissioner Sandoval's advisors be available for a 2:30 pm meeting instead of the 4 pm slot? The group is currently scheduled to meet with Commissioner Florio at 2:30 pm but that time no longer works for him, so I was hoping to switch these (2) thirty-minute meetings. Please let me know in either case.

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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Malliett, Valerie [mailto:valerie.malliett@cpuc.ca.gov]
Sent: Friday, August 03, 2012 4:49 PM
To: Lalwani, Rajeev (Research)
Subject: confirming meeting

You are scheduled to meet with Commissioner Sandoval's advisors Colette Kersten (Energy), Stephen St. Marie (Energy and Water) and William Johnston (Telecommunications) at 4:00pm on Wednesday, September 26 in room 5305. This room is large enough to accommodate 20 to 25 people.

Please let me know if you have any questions.

Valerie Malliett
Office of Commissioner Catherine J. K. Sandoval
California Pubic Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
415-703-1721

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From: Malliett, Valerie[valerie.malliett@cpuc.ca.gov]
Sent: Thursday, September 6, 2012 10:44 AM
To: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject: RE: confirming meeting

Hi Georgina,

We are well, thanks – hope you are, too.

There is an oral argument happening on the 26th which requires that some staff be present at 2:30. I am guessing that Commissioner Florio will probably be at that same oral argument and thus unable to make your meeting after all. Additionally I am unable to find a space to accommodate the people in your group at 2:30. Best to keep the time and location as is.

Valerie Malliett
415-703-1721

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Thursday, September 6, 2012 11:23 AM
To: Malliett, Valerie <valerie.malliett@cpuc.ca.gov>
Subject: RE: confirming meeting

Ok Valerie, appreciate the responsiveness.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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To: Yeboah, Georgina (Research)
Subject: RE: confirming meeting

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Sent: Thursday, September 6, 2012 11:31 AM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject: RE: Need to change time of your September 26 Meeting with Commissioner Florio

Hi Joan,

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Sent: Thursday, September 06, 2012 10:10 AM
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Sent:	Thursday, September 6, 2012 11:43 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject:	RE: Need to change time of your September 26 Meeting with Commissioner Florio

Understood, thank you.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Sent: Thursday, September 06, 2012 2:40 PM
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(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 06, 2012 10:10 AM
To: Dahlgren, Joan; Lalwani, Rajeev
Subject: RE: Need to change time of your September 26 Meeting with Commissioner Florio

Hi Joan,

Would it be possible to hold the meeting at 12:30 pm? The travelers will be at another meeting site at 11 am.

Or I can reach out to Commissioner Sandoval's office to see if they can switch times. They are slated for 4 pm and theirs is a 30 minute meeting as well.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 11:54 AM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: Need to change time of your September 26 Meeting with Commissioner Florio
Importance: High

Commissioner Florio has just been informed that he needs to be present for a hearing that is taking place on

September 26 from 1:30-3:00. I would like to reschedule your meeting for 11:00 on that day. Please let me know if this will work and also please confirm if you will be adding any attendees to your original list so I have this information for our records and make sure we have an appropriate size meeting room. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 6, 2012 2:52 PM
To: Georgina.Yeboah@morganstanley.com; 'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012
Attach: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012.doc

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State of California

Memorandum

Date: September 6, 2012

To: Geogina Yeeboah, Rajeev Lalwani—Morgan Stanley

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Your meeting request Originally dated 7/16/12**

This will confirm the meeting shown above has been set for (September 26, 2012, 4:00pm), (Room 5200—Commissioner Florio's Office) with (Commissioner Florio,Matthew Tisdale, Matt Miley). If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date as soon as possible.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request.

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Thursday, September 6, 2012 2:57 PM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Joan,

We will be sure to forward a complete list of attendees as far in advance as possible. Is there an absolute cut-off date by which you need the list (so I may advise our marketing team)?

Look forward to hearing next week if the meeting time can be changed to 12:30 pm.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 5:52 PM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 6, 2012 3:13 PM
To: 'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Georgina,

Did you get my most recent email? I am not sure if you received it. I was able to reschedule you meeting for 4:00 on September 26; please check the meeting confirmation form again. I hope this works out, as it's much better than trying to schedule at 12:30.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 06, 2012 2:57 PM
To: Dahlgren, Joan; Lalwani, Rajeev
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Joan,

We will be sure to forward a complete list of attendees as far in advance as possible. Is there an absolute cut-off date by which you need the list (so I may advise our marketing team)?

Look forward to hearing next week if the meeting time can be changed to 12:30 pm.

Regards,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 5:52 PM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Friday, September 7, 2012 4:33 PM
To: 'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Georgina,

I was able to move an appointment on September 26 to create a 3:30-4:00 opening. Let me know if that will help.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 06, 2012 2:57 PM
To: Dahlgren, Joan; Lalwani, Rajeev
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Joan,

We will be sure to forward a complete list of attendees as far in advance as possible. Is there an absolute cut-off date by which you need the list (so I may advise our marketing team)?

Look forward to hearing next week if the meeting time can be changed to 12:30 pm.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 5:52 PM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Monday, September 10, 2012 3:46 PM
To: Georgina.Yeboah@morganstanley.com
Subject: FW: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Georgina,
Can you please let me know as soon as you can if 3:30-4:00 on September 26 will work so that I can change the appointment on Commissioner Florio's schedule before it gets taken for something else? Thanks!

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Friday, September 07, 2012 4:33 PM
To: 'Yeboah, Georgina'
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Georgina,

I was able to move an appointment on September 26 to create a 3:30-4:00 opening. Let me know if that will help.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 06, 2012 2:57 PM
To: Dahlgren, Joan; Lalwani, Rajeev
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Joan,

We will be sure to forward a complete list of attendees as far in advance as possible. Is there an absolute cut-off date by which you need the list (so I may advise our marketing team)?

Look forward to hearing next week if the meeting time can be changed to 12:30 pm.

Regards,
Georgina Yeboah
Morgan Stanley | Research

1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 5:52 PM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978

Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 9:08 AM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Joan,

Thank you for making the adjustment. I would like to confirm the meeting for 3:30 pm - 4:00 pm on Sept. 26th.

Thanks,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Monday, September 10, 2012 6:46 PM
To: Yeboah, Georgina (Research)
Subject: FW: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Georgina,
Can you please let me know as soon as you can if 3:30-4:00 on September 26 will work so that I can change the appointment on Commissioner Florio's schedule before it gets taken for something else? Thanks!

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Dahlgren, Joan
Sent: Friday, September 07, 2012 4:33 PM
To: 'Yeboah, Georgina'
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Georgina,

I was able to move an appointment on September 26 to create a 3:30-4:00 opening. Let me know if that will help.

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue

San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 06, 2012 2:57 PM
To: Dahlgren, Joan; Lalwani, Rajeev
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

Hi Joan,

We will be sure to forward a complete list of attendees as far in advance as possible. Is there an absolute cut-off date by which you need the list (so I may advise our marketing team)?

Look forward to hearing next week if the meeting time can be changed to 12:30 pm.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Thursday, September 06, 2012 5:52 PM
To: Yeboah, Georgina (Research); Lalwani, Rajeev (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 9:16 AM
To: Georgina.Yeboah@morganstanley.com
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation
Attach: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012.doc

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State of California

Memorandum

Date: September 11, 2012

To: Georgina Yeboah—Morgan Stanley

From: **Joan Dahlgren**
Administrative Assistant
Office of Commr. Michel Florio
Public Utilities Commission—San Francisco -

Re: **Your meeting request Originally dated 7/16/12**

This will confirm the meeting shown above has been set for (September 26 2012, 3:30-4:00 pm), (Room 5209) with (Commissioner Florio,Matthew Tisdale, Sepideh Khosrowjah). If you did not do so in your original Meeting Request Form, please submit a complete list of attendees prior to your meeting date as soon as possible.

If you need to cancel or change this meeting time for any reason, please let us know at your earliest convenience. Thank you for your request.

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 9:40 AM
To: 'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

Georgina,

What time is Commissioner Ferron's office now scheduled to meet?

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent:	Tuesday, September 11, 2012 9:48 AM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

Comr. Ferron will be in a meeting until 3pm, so unfortunately not.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 9:58 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	RE: Meeting with Morgan Stanley Utilities Research

Thank you for you responsiveness. We will need to adjust Commissioner Ferron's meeting time to 3 - 3:30 pm. Stephen is keen on meeting all of the Commissioners, because of the hearing the only way to accomplish that is to do (2) 30 minute meetings from 3 - 4pm. Is that ok?

Also would it be possible to reserve 5305? Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:48 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

Comr. Ferron will be in a meeting until 3pm, so unfortunately not.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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To: Yeboah, Georgina (Research)
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Thank you, Georgina.

Juliane

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From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
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To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 10:02 AM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

Joan,

I have adjusted Commissioner Ferron's meeting to 3- 3:30 pm, so that Commissioner Florio can have the 3:30 - 4pm slot. I have requested 5305 for the 3pm meeting. If there is a central booking system for your conference rooms, I hope to avoid any confusion. I am attempting to have the room reserved from 1 - 4:30 pm for all of our meetings.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:39 PM
To: Yeboah, Georgina (Research)
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Georgina,

What time is Commissioner Ferron's office now scheduled to meet?

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov] <mark.ferron@cpuc.ca.gov>
Sent:	Tuesday, September 11, 2012 10:11 AM
To:	'stephen.byrd@morganstanley.com'; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; 'rajeev.lalwani@morganstanley.com'; Yeboah, Georgina (Georgina.Yeboah@morganstanley.com)
Subject:	Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	fileno 0

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

1. Person (and company) requesting meeting: **Today's Date**:

Stephen Byrd, Executive Director (Morgan Stanley) 7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon **In Person** **By phone**

Proposed staff: Comr. Ferron* **Charlotte TerKeurst** **Michael Colvin** **Sara Kamins** **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy** **Telecom** **Transportation** **Water** **General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No
7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani **E-mail: Rajeev.lalwani@morganstanley.com**

Office phone: 212-761-8518 **Cell: 917-699-1008** **Fax No.:**

Office use only:

FER CFT MC3 SMK CHH **Comments:** **Confirmed date:** **Confirmed time:**

.

Subject: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Location: Room 5305

Start: Wed 9/26/2012 3:00 PM
End: Wed 9/26/2012 3:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Ferron, Mark J.
Resources: Room 5305

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

1. Person (and company) requesting meeting:

Stephen Byrd, Executive Director (Morgan Stanley) Today's Date:

7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon In Person By phone

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):

If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: Energy Telecom Transportation Water General

7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know

If yes, specify the anticipated Commission meeting: date: Agenda Item number:

8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name Company Title
Stephen Byrd Morgan Stanley Executive Director
Rajeev Lalwani Morgan Stanley Vice President
Austin Zeigler Morgan Stanley Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani E-mail:
Rajeev.lalwani@morganstanley.com<mailto:Rajeev.lalwani@morganstanley.com>
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:
Office use only:

FER CFT MC3 SMK CHH Comments:

Confirmed date:

Confirmed time:

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 10:12 AM
To: mark.ferron@cpuc.ca.gov
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach: Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

CPUC06983

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 10:12 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	Untitled Attachment

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From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

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From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 10:12 AM
To:	mark.ferron@cpuc.ca.gov
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	Untitled Attachment

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From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)

CPUC06987

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 10:12 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA (3pm PDT)
Attach:	Untitled Attachment

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From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
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From: Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 10:28 AM
To: 'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Cc: Mendiola, Carolina <carolina.mendiola@cpuc.ca.gov>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

Georgina,
We've adjusted the meeting room venue so that all the meetings, including Commissioner Florio's time slot will be in Room 5305. Please note that on the meeting confirmation that I sent you previously. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 10:02 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Joan,

I have adjusted Commissioner Ferron's meeting to 3- 3:30 pm, so that Commissioner Florio can have the 3:30 - 4pm slot. I have requested 5305 for the 3pm meeting. If there is a central booking system for your conference rooms, I hope to avoid any confusion. I am attempting to have the room reserved from 1 - 4:30 pm for all of our meetings.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Sent: Tuesday, September 11, 2012 12:39 PM
To: Yeboah, Georgina (Research)
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Georgina,

What time is Commissioner Ferron's office now scheduled to meet?

Joan Dahlgren

Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
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1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

Joan,

Thank you kindly for facilitating the meeting room request.

As soon as the attendees list is finalized, I will be sure to forward it to you.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 1:28 PM
To: Yeboah, Georgina (Research)
Cc: Mendiola, Carolina
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Georgina,
We've adjusted the meeting room venue so that all the meetings, including Commissioner Florio's time slot will be in Room 5305. Please note that on the meeting confirmation that I sent you previously. Thank you.

Sincerely,

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 10:02 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Joan,

I have adjusted Commissioner Ferron's meeting to 3- 3:30 pm, so that Commissioner Florio can have the 3:30 - 4pm slot. I have requested 5305 for the 3pm meeting. If there is a central booking system for your conference rooms, I hope to avoid any confusion. I am attempting to have the room reserved from 1 - 4:30 pm for all of our meetings.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:39 PM
To: Yeboah, Georgina (Research)
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Georgina,

What time is Commissioner Ferron's office now scheduled to meet?

Joan Dahlgren
Administrative Assistant to
Commissioner Michel Florio
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-1840
jbd@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent:	Tuesday, September 11, 2012 2:16 PM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

As luck would have it, the previous meeting Comr. Ferron was scheduled to be in just got cancelled. Would you like to revisit scheduling this meeting for an hour starting at 2:30pm?

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:58 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you for you responsiveness. We will need to adjust Commissioner Ferron's meeting time to 3 - 3:30 pm. Stephen is keen on meeting all of the Commissioners, because of the hearing the only way to accomplish that is to do (2) 30 minute meetings from 3 - 4pm. Is that ok?

Also would it be possible to reserve 5305? Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:48 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

Comr. Ferron will be in a meeting until 3pm, so unfortunately not.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's

schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 2:20 PM
To: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Yes, please! Would be great if we could schedule the full hour of 2:30 - 3:30 pm. Joan (from Comm Florio's office) informed me that she blocked room 5305 for the entire afternoon for our group. We should be set in terms of a room assignment.

Many thanks,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 5:16 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

As luck would have it, the previous meeting Comr. Ferron was scheduled to be in just got cancelled. Would you like to revisit scheduling this meeting for an hour starting at 2:30pm?

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:58 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you for you responsiveness. We will need to adjust Commissioner Ferron's meeting time to 3 - 3:30 pm. Stephen is keen on meeting all of the Commissioners, because of the hearing the only way to accomplish that is to do (2) 30 minute meetings from 3 - 4pm. Is that ok?

Also would it be possible to reserve 5305? Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:48 PM
To: Yeboah, Georgina (Research)

Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

Comr. Ferron will be in a meeting until 3pm, so unfortunately not.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov] <mark.ferron@cpuc.ca.gov>
Sent:	Tuesday, September 11, 2012 2:24 PM
To:	'stephen.byrd@morganstanley.com'; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; 'rajeev.lalwani@morganstanley.com'; Yeboah, Georgina (Georgina.Yeboah@morganstanley.com)
Subject:	Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	fileno 0

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

1. Person (and company) requesting meeting: **Today's Date**:

Stephen Byrd, Executive Director (Morgan Stanley) 7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon **In Person** **By phone**

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy Telecom Transportation Water General**

7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No
7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani **E-mail: Rajeev.lalwani@morganstanley.com**

Office phone: 212-761-8518 **Cell: 917-699-1008** **Fax No.:**

Office use only:

FER CFT MC3 SMK CHH **Comments:** **Confirmed date:** **Confirmed time:**

.

Subject: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Location: Room 5305

Start: Wed 9/26/2012 2:30 PM
End: Wed 9/26/2012 3:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Ferron, Mark J.
Resources: Room 5305

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

1. Person (and company) requesting meeting:

Stephen Byrd, Executive Director (Morgan Stanley) Today's Date:

7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon In Person By phone

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):

If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: Energy Telecom Transportation Water General

7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name Company Title
Stephen Byrd Morgan Stanley Executive Director
Rajeev Lalwani Morgan Stanley Vice President
Austin Zeigler Morgan Stanley Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani E-mail:
Rajeev.lalwani@morganstanley.com<mailto:Rajeev.lalwani@morganstanley.com>
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:
Office use only:

FER CFT MC3 SMK CHH Comments:

Confirmed date:

Confirmed time:

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 2:31 PM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	Untitled Attachment

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From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 11, 2012 2:31 PM
To: mark.ferron@cpuc.ca.gov
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach: Untitled Attachment

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From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

CPUC07007

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 2:31 PM
To:	mark.ferron@cpuc.ca.gov
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	Untitled Attachment

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From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 11, 2012 2:31 PM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
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From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

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From: Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 3:02 PM
To: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hello again,

The person who approves the room reservations just informed me that Comr. Simon has the room with you guys from 2-3pm. Is this correct? If so, we wouldn't be able to change Comr. Ferron's time to 2:30pm. Please advise. Thanks!

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 2:20 PM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Yes, please! Would be great if we could schedule the full hour of 2:30 - 3:30 pm. Joan (from Comm Florio's office) informed me that she blocked room 5305 for the entire afternoon for our group. We should be set in terms of a room assignment.

Many thanks,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 5:16 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

As luck would have it, the previous meeting Comr. Ferron was scheduled to be in just got cancelled. Would you like to revisit scheduling this meeting for an hour starting at 2:30pm?

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:58 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you for you responsiveness. We will need to adjust Commissioner Ferron's meeting time to 3 - 3:30 pm. Stephen is keen on meeting all of the Commissioners, because of the hearing the only way to accomplish that is to do (2) 30 minute meetings from 3 - 4pm. Is that ok?

Also would it be possible to reserve 5305? Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Regards,
Georgina Yeboah
Morgan Stanley | Research

1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:48 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

Comr. Ferron will be in a meeting until 3pm, so unfortunately not.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane

Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Florio, Michel Peter[MichelPeter.Florio@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 5:01 PM
To: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

When is the Morgan Stanley meeting?? It's not clear from this exchange. THANKS, Mike

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 12, 2012 7:06 AM
To:	Florio, Michel Peter <MichelPeter.Florio@cpuc.ca.gov>
Subject:	RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Good morning Commissioner Florio,

Your meeting is scheduled for 3:30 - 4 pm on Wed., Sept. 26th.

Initially you were scheduled for 2:30 pm but Joan explained a hearing came up.

Kindly let me know if you have any further questions.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Florio, Michel Peter [mailto:MichelPeter.Florio@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 8:01 PM
To: Yeboah, Georgina (Research)
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

When is the Morgan Stanley meeting?? It's not clear from this exchange. THANKS, Mike

---

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
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1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 12, 2012 7:15 AM
To:	Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Good morning Cristine,

I hope this e-mail finds you doing well. I just wanted to confirm the meeting with Morgan Stanley on Wed., Sept 26th will be 30 minutes from 2 - 2:30 pm PDT.

Commissioner Ferron is scheduled to meet with the group from 2:30 pm - 3:30 pm, if possible, I would like to ask his office to reserve the room at that time. This way, the investors are in the same room for their entire afternoon of meetings. If your office will not be using 5305 from 2:30 - 3 pm, would you mind releasing it through your reservations person so it will be available for Commissioner Ferron's meeting?

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978

Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov] <rahmon.momoh@cpuc.ca.gov>
Sent: Wednesday, September 12, 2012 9:58 AM
To: White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>; 'Rajeev.lalwani@morganstanley.com'
Subject: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach: fileno 0

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

.

Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Location:	Room 5305
Start:	Wed 9/26/2012 2:00 PM
End:	Wed 9/26/2012 2:30 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Momoh, Rahmon O.

Attendees:

Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

CPUC07021

From: Florio, Michel Peter[MichelPeter.Florio@cpuc.ca.gov]
Sent: Wednesday, September 12, 2012 6:48 PM
To: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

---

Thank you, Georgina – and my apologies! I meant for this question to go to Joan, but hit the wrong button somehow. Looking forward to the 26th. Mike Florio

---

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 12, 2012 7:06 AM
To: Florio, Michel Peter
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Good morning Commissioner Florio,

Your meeting is scheduled for 3:30 - 4 pm on Wed., Sept. 26th.

Initially you were scheduled for 2:30 pm but Joan explained a hearing came up.

Kindly let me know if you have any further questions.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Florio, Michel Peter [mailto:MichelPeter.Florio@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 8:01 PM
To: Yeboah, Georgina (Research)
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

When is the Morgan Stanley meeting?? It's not clear from this exchange. THANKS, Mike

---

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:31 AM
To: Dahlgren, Joan
Subject: RE: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

Excellent, thank you kindly.

May I respectfully ask if Room 5305 is available that we book it for this meeting. I am waiting to hear back from Commissioner Ferron's office as to which room they have booked, they were scheduled for the 3-4pm slot. Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Georgina Yeboah
Morgan Stanley | Research

1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Dahlgren, Joan [mailto:joan.dahlgren@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:16 PM
To: Yeboah, Georgina (Research)
Subject: REVISED_Meeting_Request_with_Morgan_Stanley_originally_dated_July_16_2012--Meeting Confirmation

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From:	Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov] <rahmon.momoh@cpuc.ca.gov>
Sent:	Thursday, September 13, 2012 9:13 AM
To:	White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>; Simon, Timothy A. <timothy.simon@cpuc.ca.gov>
Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	fileno 0

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

.

Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Location:	Room 5305
Start:	Wed 9/26/2012 2:00 PM
End:	Wed 9/26/2012 2:30 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Momoh, Rahmon O.

Attendees:

Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

CPUC07025

From:	Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov] <rahmon.momoh@cpuc.ca.gov>
Sent:	Thursday, September 13, 2012 11:58 AM
To:	Simon, Timothy A. <timothy.simon@cpuc.ca.gov>; White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>
Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	fileno 0

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

.

Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Location:	Room 5305
Start:	Wed 9/26/2012 11:00 AM
End:	Wed 9/26/2012 12:00 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Momoh, Rahmon O.

Attendees:

Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

CPUC07027

From:	Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov] <rahmon.momoh@cpuc.ca.gov>
Sent:	Thursday, September 13, 2012 4:10 PM
To:	'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>; White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>
Subject:	FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	fileno 0

-----Original Appointment-----
From: Fernandez, Cristine **On Behalf Of** Momoh, Rahmon O.
Sent: Wednesday, July 18, 2012 12:51 PM
To: Momoh, Rahmon O.; Simon, Timothy A.; White, Phyllis R.; Fernandez, Cristine; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu; Saine, Lauren
Subject: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 11:00 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

.

Subject:	FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Location:	Room 5305
Start:	Wed 9/26/2012 11:00 AM
End:	Wed 9/26/2012 12:00 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Momoh, Rahmon O.

-----Original Appointment-----

From: Fernandez, Cristine On Behalf Of Momoh, Rahmon O.
Sent: Wednesday, July 18, 2012 12:51 PM
To: Momoh, Rahmon O.; Simon, Timothy A.; White, Phyllis R.; Fernandez, Cristine; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu; Saine, Lauren
Subject:Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 11:00 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

Attendees:

Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

From:	Fernandez, Cristine[cristine.fernandez@cpuc.ca.gov] <rahmon.momoh@cpuc.ca.gov>
Sent:	Thursday, September 13, 2012 4:11 PM
To:	'Rajeev.lalwani@morganstanley.com'
Subject:	FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	fileno 0

-----Original Appointment-----
From: Fernandez, Cristine **On Behalf Of** Momoh, Rahmon O.
Sent: Wednesday, July 18, 2012 12:51 PM
To: Momoh, Rahmon O.; Simon, Timothy A.; White, Phyllis R.; Fernandez, Cristine; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu; Saine, Lauren; Yeboah, Georgina; Momoh, Rahmon O.
Subject: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 11:00 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

.

Subject: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Location: Room 5305

Start: Wed 9/26/2012 11:00 AM
End: Wed 9/26/2012 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Momoh, Rahmon O.

-----Original Appointment-----

From: Fernandez, Cristine On Behalf Of Momoh, Rahmon O.
Sent: Wednesday, July 18, 2012 12:51 PM
To: Momoh, Rahmon O.; Simon, Timothy A.; White, Phyllis R.; Fernandez, Cristine; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu; Saine, Lauren; Yeboah, Georgina; Momoh, Rahmon O.
Subject:Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 11:00 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

Attendees:

Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Friday, September 14, 2012 5:34 AM
To:	Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>
Subject:	Accepted: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

CPUC07033

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Friday, September 14, 2012 1:18 PM
To: Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

---

Good afternoon,

I just want to ensure our calendars all reflect a 30 minute meeting from 2-2:30 pm. A hearing was recently scheduled which made it necessary to restructure the calendar slightly so the investors have an opportunity to meet with Advisors from all of the Commissioner's offices.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: cristine.fernandez@cpuc.ca.gov **On Behalf Of** Momoh, Rahmon O.
Sent: Thursday, September 13, 2012 7:10 PM
To: Momoh, Rahmon O.; Yeboah, Georgina (Research); White, Phyllis R.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 2:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Room 5305

-----Original Appointment-----
From: Fernandez, Cristine **On Behalf Of** Momoh, Rahmon O.
Sent: Wednesday, July 18, 2012 12:51 PM
To: Momoh, Rahmon O.; Simon, Timothy A.; White, Phyllis R.; Fernandez, Cristine; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu; Saine, Lauren
Subject: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 11:00 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Friday, September 14, 2012 1:23 PM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Please schedule Commissioner Ferron for the 2:30 - 3:30 pm slot.

I spoke with Cristine (from Commissioner Simon's office), she explained that the group has the room reserved for the entire afternoon already. Since the conference room is near all of you, she mentioned it would be easy for all of the meetings to take place as we have scheduled and there is no need for concern.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 6:02 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hello again,

The person who approves the room reservations just informed me that Comr. Simon has the room with you guys from 2-3pm. Is this correct? If so, we wouldn't be able to change Comr. Ferron's time to 2:30pm. Please advise. Thanks!

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 2:20 PM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Yes, please! Would be great if we could schedule the full hour of 2:30 - 3:30 pm. Joan (from Comm Florio's office) informed me that she blocked room 5305 for the entire afternoon for our group. We should be set in terms of a room assignment.

Many thanks,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 5:16 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

As luck would have it, the previous meeting Comr. Ferron was scheduled to be in just got cancelled. Would you like to revisit scheduling this meeting for an hour starting at 2:30pm?

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:58 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you for you responsiveness. We will need to adjust Commissioner Ferron's meeting time to 3 - 3:30 pm. Stephen is keen on meeting all of the Commissioners, because of the hearing the only way to accomplish that is to do (2) 30 minute meetings from 3 - 4pm. Is that ok?

Also would it be possible to reserve 5305? Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:48 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

Comr. Ferron will be in a meeting until 3pm, so unfortunately not.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Hope this e-mails finds you doing well.

I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Momoh, Rahmon O.[rahmon.momoh@cpuc.ca.gov]
Sent: Friday, September 14, 2012 1:49 PM
To: 'Georgina.Yeboah@morganstanley.com'
Cc: Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject: Re: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

---

Hello Georgina,

Cristine will contact you regarding this meeting.

Thank you!

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Friday, September 14, 2012 01:17 PM
To: Momoh, Rahmon O.
Subject: RE: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors

Good afternoon,

I just want to ensure our calendars all reflect a 30 minute meeting from 2-2:30 pm. A hearing was recently scheduled which made it necessary to restructure the calendar slightly so the investors have an opportunity to meet with Advisors from all of the Commissioner's offices.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: cristine.fernandez@cpuc.ca.gov **On Behalf Of** Momoh, Rahmon O.
Sent: Thursday, September 13, 2012 7:10 PM
To: Momoh, Rahmon O.; Yeboah, Georgina (Research); White, Phyllis R.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 2:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Room 5305

-----Original Appointment-----
From: Fernandez, Cristine **On Behalf Of** Momoh, Rahmon O.
Sent: Wednesday, July 18, 2012 12:51 PM
To: Momoh, Rahmon O.; Simon, Timothy A.; White, Phyllis R.; Fernandez, Cristine; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu; Saine, Lauren
Subject: Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
When: Wednesday, September 26, 2012 11:00 AM-12:00 PM (GMT-08:00) Pacific Time (US & Canada).
Where: Room 5305

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President

Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent:	Friday, September 14, 2012 2:00 PM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research

Okay, no problem. I just wanted to make sure there was confusion and overlap with the Commissioners.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Friday, September 14, 2012 1:23 PM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Please schedule Commissioner Ferron for the 2:30 - 3:30 pm slot.

I spoke with Cristine (from Commissioner Simon's office), she explained that the group has the room reserved for the entire afternoon already. Since the conference room is near all of you, she mentioned it would be easy for all of the meetings to take place as we have scheduled and there is no need for concern.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 6:02 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hello again,

The person who approves the room reservations just informed me that Comr. Simon has the room with you guys from 2-3pm. Is this correct? If so, we wouldn't be able to change Comr. Ferron's time to 2:30pm. Please advise. Thanks!

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 2:20 PM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Yes, please! Would be great if we could schedule the full hour of 2:30 - 3:30 pm. Joan (from Comm Florio's office) informed me that she blocked room 5305 for the entire afternoon for our group. We should be set in terms of a room assignment.

Many thanks,
Georgina Yeboah

Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 5:16 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

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From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 9:58 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

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Also would it be possible to reserve 5305? Would be great to keep the investors in a single room as all of the other meetings look like they will be held there.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Tuesday, September 11, 2012 12:48 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Georgina,

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From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 11, 2012 7:20 AM
To: Banks, Juliane
Subject: RE: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

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I wanted to check on the possibility of Commissioner Ferron hosting this meeting from 2:30 pm - 3:30 pm instead? There appears to be a hearing at 2:30 pm on this day, I'm not sure if it will affect the Commissioner's schedule? Since you were gracious in offering a 1 hour meeting, we would like to keep it as such but there is a possibility we may have slightly alter the schedule due to the hearing.

Please let me know at your earliest convenience.

Regards,
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Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Wednesday, July 25, 2012 2:21 PM
To: Yeboah, Georgina (Research)
Subject: RE: Meeting with Morgan Stanley Utilities Research

Thank you, Georgina.

Juliane

415-703-2284

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, July 25, 2012 11:03 AM
To: Banks, Juliane
Cc: Lalwani, Rajeev; Byrd, Stephen
Subject: Meeting with Morgan Stanley Utilities Research

Hi Juliane,

Thanks for your time today.

Please send the meeting confirmation with Commissioner Ferron for 3pm PDT on Sept. 26th to both Stephen Byrd (stephen.byrd@morganstanley.com) and Rajeev Lalwani (rajeev.lalwani@morganstanley.com).

Per Commissioner Ferron's request, I will take care of adding him to the team's distribution list for research notes.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Wednesday, September 19, 2012 10:33 AM
To: Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Sending final confirmation for the Morgan Stanley visit with Carol Brown and Paul Clanon on Sept. 26th from 1 - 2 pm. Listed below are the (17) attendees. Hopefully, you were able to secure room 5305.

Also, would you be able to forward their bios, we're putting together an investor packet for the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 10:30 AM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12

investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 10:47 AM
To:	Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Cc:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Quinn, William <Bill.Quinn@morganstanley.com>; Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Sending final confirmation for the Morgan Stanley visit with Phyllis White and Rahmon Momoh on Sept. 26th from 2 - 2:30 pm in room 5305. Listed below are the (17) attendees.

Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 10:56 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Cc:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Quinn, William <Bill.Quinn@morganstanley.com>; Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov] <mark.ferron@cpuc.ca.gov>
Sent:	Wednesday, September 19, 2012 11:11 AM
To:	'stephen.byrd@morganstanley.com'; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; 'rajeev.lalwani@morganstanley.com'; Yeboah, Georgina (Georgina.Yeboah@morganstanley.com)
Subject:	Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	fileno 0

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting
BNK 9/19/12 – updating w/attendee list

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

1. Person (and company) requesting meeting:	**Today's Date**:
Stephen Byrd, Executive Director (Morgan Stanley)	7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon **In Person** **By phone**

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy** **Telecom** **Transportation** **Water** **General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No
7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani **E-mail: Rajeev.lalwani@morganstanley.com**

Office phone: 212-761-8518 **Cell: 917-699-1008** **Fax No.:**

Office use only:

FER CFT MC3 SMK CHH **Comments:** **Confirmed date:** **Confirmed time:**

.

Subject: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Location: Room 5305

Start: Wed 9/26/2012 2:30 PM
End: Wed 9/26/2012 3:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Ferron, Mark J.

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting
BNK 9/19/12 – updating w/attendee list

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]<mailto:[mailto:Georgina.Yeboah@morganstanley.com]>
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject:Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com<blocked::mailto:stephen.byrd@morganstanley.com>)

Austin Zeigler, Morgan Stanley

Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com<blocked::mailto:rajeev.lalwani@morganstanley.com>)

Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital

Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com<mailto:Georgina.Yeboah@morganstanley.com>

1. Person (and company) requesting meeting:

Stephen Byrd, Executive Director (Morgan Stanley) Today's Date:

7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon In Person By phone

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: Energy Telecom Transportation Water General

7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:

8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani E-mail:
Rajeev.lalwani@morganstanley.com<mailto:Rajeev.lalwani@morganstanley.com>
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:
Office use only:

FER CFT MC3 SMK CHH Comments:

Confirmed date:

Confirmed time:

CPUC07054

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 11:19 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Cc:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Quinn, William <Bill.Quinn@morganstanley.com>; Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Hi Joan,

Sending final confirmation for the Morgan Stanley visit with Commissioner Florio, Matthew Tisdale and Sepideh Khosrowjah on Sept. 26th from 3:30 - 4 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? When I attempt to pull the Commissioner's off the website, it shows links, etc. and Matthew/Sepideh's aren't posted. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
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Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 11:21 AM
To:	mark.ferron@cpuc.ca.gov
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	Untitled Attachment

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.

From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

CPUC07057

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 11:21 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	Untitled Attachment

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From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 11:21 AM
To:	mark.ferron@cpuc.ca.gov
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach:	Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Wednesday, September 19, 2012 11:21 AM
To: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)
Attach: Untitled Attachment

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From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:30pm PDT)

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 11:44 AM
To:	valerie.malliett@cpuc.ca.gov
Cc:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Quinn, William <Bill.Quinn@morganstanley.com>; Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	Meeting with Morgan Stanley Utilities Research | Sept 26th 4- 4:30 pm

Hi Valerie,

Sending final confirmation for the Morgan Stanley visit with Commissioner Sandoval's advisors - Colette Kersten, Stephen St. Marie and William Johnston on Sept. 26th from 4 - 4:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
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Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Malliett, Valerie[valerie.malliett@cpuc.ca.gov]
Sent: Wednesday, September 19, 2012 11:53 AM
To: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Cc: Byrd, Stephen <Stephen.Byrd@morganstanley.com>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Quinn, William <Bill.Quinn@morganstanley.com>; Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject: RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 4- 4:30 pm

Hi Georgina,

Thank you for the list. It is good to have a head count to confirm that there is adequate room.

Each of the Commissioner's advisors has a bio posted on the CPUC website. You can find them here.
http://www.cpuc.ca.gov/PUC/aboutus/Commissioners/Sandoval/Staff/

Let me know if you need additional information.

Valerie Malliett
415-703-1721

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 11:44 AM
To: Malliett, Valerie
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 4- 4:30 pm

Hi Valerie,

Sending final confirmation for the Morgan Stanley visit with Commissioner Sandoval's advisors - Colette Kersten, Stephen St. Marie and William Johnston on Sept. 26th from 4 - 4:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
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Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah

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Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Wednesday, September 19, 2012 12:59 PM
To:	ahb@cpuc.ca.gov
Subject:	FW: Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Thanks Amy,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 2:19 PM
To: 'Dahlgren, Joan'
Cc: Byrd, Stephen (Research); Lalwani, Rajeev (Research); Quinn, William (IED); Yang, Jancy (Marketing)
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Hi Joan,

Sending final confirmation for the Morgan Stanley visit with Commissioner Florio, Matthew Tisdale and Sepideh Khosrowjah on Sept. 26th from 3:30 - 4 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? When I attempt to pull the Commissioner's off the website, it shows links, etc. and Matthew/Sepideh's aren't posted. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
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Jeff Chrzanowski, George Weiss Multi-Strategy
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From:	Ferron, Mark J.[mark.ferron@cpuc.ca.gov]
Sent:	Thursday, September 20, 2012 9:47 AM
To:	stephen.byrd@morganstanley.com
Cc:	Georgina.Yeboah@morganstanley.com; Banks, Juliane <juliane.banks@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; rajeev.lalwani@morganstanley.com
Subject:	Fwd: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Stephen,

While I enjoy meeting with equity analysts and investors, I have only one stipulation before agreeing to a meeting: that I am put on the distribution list for research pertaining to California utilties. Is this something that you are able to agree to? If so, could you also please send me any recent research (say over the last 6-12 months) on the sector that you think might be relevant?

Also, in the absence of an agenda, I am intending to make a brief introductory presentation on my perspectives on utility regulation in California, which I hope will frame the discussion and leave plenty of time for Q&A.

I hope that we will be able to meet next week.

Best regards

Mark

p.s., My Bio is as below:

Mark J. Ferron was appointed to the CPUC by Governor Jerry Brown on March 22, 2011. Before returning to California in 2009, Commissioner Ferron spent 25 years in global finance, banking and operations. From 2001 to 2009 he worked as chief operating officer for the Global Markets Division of Deutsche Bank in London, where he had responsibility for all operational activities globally across fixed income, currency, commodity and equity markets. Before joining Deutsche Bank, Commissioner Ferron was a vice president at Salomon Brothers from 1994 to 1996, and was a vice president at Bank of America from 1986 to 1994. Immediately prior to his appointment to the CPUC, he was a senior partner at the Silicon Valley Social Venture Fund and a board fellow of the New Teacher Center.

Commissioner Ferron holds a B.S. in mathematics from the University of Notre Dame and a master's degree in economics from Stanford University.

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

Begin forwarded message:

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>

Subject: FW: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm
Date: September 19, 2012 11:09:44 AM PDT
To: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>

Fyi...please see attendee list below...

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail:stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail:rajeev.lalwani@morganstanley.com)
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Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
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Tom O'Neill, Green Arrow Capital Management

Regards,
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From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Sent:	Thursday, September 20, 2012 9:52 AM
To:	mark.ferron@cpuc.ca.gov
Cc:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>; Banks, Juliane <juliane.banks@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Commissioner Ferron, it would be our pleasure to put you on our research distribution list, and we will also send you our recent research that may be of interest to you. The format you propose for the meeting works for us. I'd love to have the opportunity to speak with you by phone before we head out next week, so that I can give you a bit of my background and briefly discuss key developments in the sector. I can also share the topics of most interest to investors - I doubt any of the topics would be a surprise to you. Would you be amenable to having a brief call this week or early next week?

Stephen Byrd, Executive Director
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Ferron, Mark (mark.ferron@cpuc.ca.gov)
Sent: Thursday, September 20, 2012 12:47 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Fwd: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Stephen,

While I enjoy meeting with equity analysts and investors, I have only one stipulation before agreeing to a meeting: that I am put on the distribution list for research pertaining to California utilties. Is this something that you are able to agree to? If so, could you also please send me any recent research (say over the last 6-12 months) on the sector that you think might be relevant?

Also, in the absence of an agenda, I am intending to make a brief introductory presentation on my perspectives on utility regulation in California, which I hope will frame the discussion and leave plenty of time for Q&A.

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markets. Before joining Deutsche Bank, Commissioner Ferron was a vice president at Salomon Brothers from 1994 to 1996, and was a vice president at Bank of America from 1986 to 1994. Immediately prior to his appointment to the CPUC, he was a senior partner at the Silicon Valley Social Venture Fund and a board fellow of the New Teacher Center.

Commissioner Ferron holds a B.S. in mathematics from the University of Notre Dame and a master's degree in economics from Stanford University.

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

Begin forwarded message:

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: FW: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm
Date: September 19, 2012 11:09:44 AM PDT
To: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>

Fyi...please see attendee list below...

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,
Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.
Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.
Please let me know if anything else is needed.
Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail:stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail:rajeev.lalwani@morganstanley.com)
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Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management
Regards,
Georgina Yeboah

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1585 Broadway, 38th Floor | New York, NY 10036
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From:	Ferron, Mark J.[mark.ferron@cpuc.ca.gov]
Sent:	Thursday, September 20, 2012 10:00 AM
To:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Cc:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>; Banks, Juliane <juliane.banks@cpuc.ca.gov>; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Subject:	Re: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Sure thing. My assistant, Juliane Banks, is in control of my calendar and can find a time that mutually suits.

Thanks

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

On Sep 20, 2012, at 9:51 AM, Byrd, Stephen wrote:

Commissioner Ferron, it would be our pleasure to put you on our research distribution list, and we will also send you our recent research that may be of interest to you. The format you propose for the meeting works for us. I'd love to have the opportunity to speak with you by phone before we head out next week, so that I can give you a bit of my background and briefly discuss key developments in the sector. I can also share the topics of most interest to investors - I doubt any of the topics would be a surprise to you. Would you be amenable to having a brief call this week or early next week?

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Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

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From: Ferron, Mark (mark.ferron@cpuc.ca.gov)
Sent: Thursday, September 20, 2012 12:47 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Fwd: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

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Commissioner Ferron holds a B.S. in mathematics from the University of Notre Dame and a master's degree in economics from Stanford University.

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

Begin forwarded message:

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: FW: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm
Date: September 19, 2012 11:09:44 AM PDT
To: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>

Fyi...please see attendee list below...

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm
Hi Juliane,
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Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.
Please let me know if anything else is needed.
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Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail:rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
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From:	White, Phyllis R.[phyllis.white@cpuc.ca.gov]
Sent:	Thursday, September 20, 2012 11:45 AM
To:	Georgina.Yeboah@morganstanley.com; Mosbaugh, Scott <scott.mosbaugh@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Cc:	Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello...there has been miscommunication somewhere. Your meeting is on Commissioner Simon and his Advisors' calendar for Weds 9/6 from 11am to noon.

Please let Scott or Cris (email addresses above) know if this group accepts the 11am to noon appointment or if it can only be here at 2pm.

I also suggest you allow at least an hour for this many attendees to meet with Commissioner Simon. I don't see how 1/2 hour with can be at all productive.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Fernandez, Cristine
Sent: Thursday, September 20, 2012 9:35 AM
To: White, Phyllis R.; Mosbaugh, Scott
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Fyi……..

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:47 AM
To: Fernandez, Cristine
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Sending final confirmation for the Morgan Stanley visit with Phyllis White and Rahmon Momoh on Sept. 26th from 2 - 2:30 pm in room 5305. Listed below are the (17) attendees.

Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
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Timothy Filla, Jasinkiewicz Capital Management
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regards,
Georgina Yeboah
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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978

Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Thursday, September 20, 2012 12:24 PM
To:	White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Mosbaugh, Scott <scott.mosbaugh@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Cc:	Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT
Attach:	MeetingRequestFormCommSimon.doc

Good afternoon,

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We are able to make the meeting from 2 - 2:45 pm in order to accommodate everyone's schedule. If you are agreeable, please let me know so I may contact Commissioner Ferron's office to begin his meeting at 2:45 pm instead of 2:30 pm.

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Georgina.Yeboah@morganstanley.com

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From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 2:45 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello...there has been miscommunication somewhere. Your meeting is on Commissioner Simon and his Advisors' calendar for Weds 9/6 from 11am to noon.

Please let Scott or Cris (email addresses above) know if this group accepts the 11am to noon appointment or if it can only be here at 2pm.

I also suggest you allow at least an hour for this many attendees to meet with Commissioner Simon. I don't see how 1/2 hour with can be at all productive.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955

Email : prw@cpuc.ca.gov

From: Fernandez, Cristine
Sent: Thursday, September 20, 2012 9:35 AM
To: White, Phyllis R.; Mosbaugh, Scott
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Fyi……..

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:47 AM
To: Fernandez, Cristine
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Sending final confirmation for the Morgan Stanley visit with Phyllis White and Rahmon Momoh on Sept. 26th from 2 - 2:30 pm in room 5305. Listed below are the (17) attendees.

Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

regards,
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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon

MEETING REQUEST FORM

Please complete and return, as instructed:

☒ **To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ ***For Fax, send all* to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. PERSON (and COMPANY) :	**Today's Date:**
Stephen Byrd (Morgan Stanley)	**7/16/2012**

2. REASON (please provide as much in a paragraph covering the subject and purpose of your meeting so it is clear why you would like to meet):

To discuss regulatory environment in California and meet with Utilities investors

3. Meeting parameters:

PROPOSED MEETING DATE(S) AND TIME (S)	☒ In Person ☐ By phone
9/26 afternoon	

PROPOSED STAFF: ☒ Comr. Simon ☐ Phyllis White ☐ Lauren Saine ☐ Rahmon Momoh ☐ Bishu Chatterjee

4. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☐ Cancel this meeting request ☒ Assign an advisor

5. INDUSTRY: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

6. IS THIS PROCEEDING SUBJECT TO SB 960? ☐ Yes ☒ No ☐ Do not know

7. IF SUBJECT TO SB 960, SELECT CATEGORY: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement:

I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:

0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting

2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))

0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___

8. DOCKET NUMBER(S) **PROCEEDING DESCRIPTION:**

9. IS THIS A COMMISSION MEETING AGENDA ITEM? ☐ Yes ☒ No ☐ Do not know

If yes, specify the anticipated Commission meeting: date: sequence or item number:

10. **LIST YOUR MEETING ATTENDEE(S).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Stephen Byrd	**Yes**	**Morgan Stanley**	**Executive Director**
Rajeev Lalwani	**No**	**Morgan Stanley**	**Vice President**
Austin Zeigler	**No**	**Morgan Stanley**	**Executive Director**

9. **CONTACT INFORMATION:**

Contact name: Rajeev Lalwani		**E-mail: Rajeev.lalwani@morganstanley.com**
Office phone: 212-761-8518	**Cell: 917-699-1008**	**Fax No.:**

Office use only:

TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

CPUC07085

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Thursday, September 20, 2012 12:34 PM
To: Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Hope you are up and running on a computer at this point, please see below.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

.

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 1:33 PM
To: 'Goldthrite, Cody'
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

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Also, would you be able to forward their bios, we're putting together an investor packet for the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
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1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 10:30 AM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

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From:	Mosbaugh, Scott[scott.mosbaugh@cpuc.ca.gov] <rahmon.momoh@cpuc.ca.gov>
Sent:	Thursday, September 20, 2012 12:35 PM
To:	Simon, Timothy A. <timothy.simon@cpuc.ca.gov>; White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>; 'Rajeev.lalwani@morganstanley.com'; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>
Cc:	'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Attach:	fileno 0

Attendees:
Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

.

Subject:	Meeting with Morgan Stanley to discuss regulatory environment in California and meet with Utilities Investors
Location:	Room 5209
Start:	Wed 9/26/2012 2:00 PM
End:	Wed 9/26/2012 2:30 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Momoh, Rahmon O.

Attendees:

Stephen Byrd, Executive Director
Rajeev Lalwani, Vice President
Austin Zeigler, Executive Director

Contact: Rajeev cell no.: 917-699-1008

CPUC07089

From: Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 12:42 PM
To: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Carol A. Brown was hired as an Administrative Law Judge by the California Public Utilities Commission (CPUC) in 1999 and handled multiple proceedings in the electric and gas arena and in particular in resource procurement and the long term planning proceedings. Carol was trained as an alternate dispute mediator and regularly functioned as a mediator in commission matters. Carol was Acting Chief Administrative Law Judge 2002-2003 and supervised forty five judges and thirty support staff personnel in that capacity. Since 2009, Carol has been Chief of Staff to President Michael R. Peevey.

Carol received her B.A. from the University of Southern California, a M.A. in social sciences from Cal-State University Fullerton and a J.D. from the University of Southern California. Carol has been an member of the State Bar of California since 1985, beginning her practice at a law firm in Newport Beach that focused on business and real estate matters. Carol then worked at the Resolution Trust Corporation (RTC) in Newport Beach as a senior litigation attorney (1992-1995), in charge of complex proceedings at both the state and federal courts. Carol then moved to northern Califonia, working as Chief Counsel to the Cal-OSHA Appeals Board in Sacramento, before joining the CPUC.

Carol regularly teaches courses in Remedies and Legal Ethics as an adjunct professor at local law schools.

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Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Your appt is now on Commissioner Simon's calendar for 2pm to 2:45pm on 9/26.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Sent: Thursday, September 20, 2012 2:45 PM

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Office of Commissioner Simon
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Email : prw@cpuc.ca.gov

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Subject: FW: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Fyi……..

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:47 AM
To: Fernandez, Cristine
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Sending final confirmation for the Morgan Stanley visit with Phyllis White and Rahmon Momoh on Sept. 26th from 2 - 2:30 pm in room 5305. Listed below are the (17) attendees.

Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management

Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Thursday, September 20, 2012 1:24 PM
To:	White, Phyllis R. <phyllis.white@cpuc.ca.gov>; Mosbaugh, Scott <scott.mosbaugh@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Cc:	Momoh, Rahmon O. <rahmon.momoh@cpuc.ca.gov>; Chatterjee, Bishu <bishu.chatterjee@cpuc.ca.gov>; Saine, Lauren <lauren.saine@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Thank you.

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 4:09 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Your appt is now on Commissioner Simon's calendar for 2pm to 2:45pm on 9/26.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 20, 2012 12:24 PM
To: White, Phyllis R.; Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Good afternoon,

I am sorry to hear of the miscommunication, when I submitted the original meeting request I asked for 9/26 anytime in the afternoon, please see attached. Unsure as to how that turned into 11am on 9/6. Hopefully everyone involved will still be able to attend a 2 pm meeting as the 11 am slot is not feasible, the group will be attending meetings at another site.

Originally we requested a 1 hour meeting, however a hearing was scheduled which required us to juggle the meeting times so that the investors could meet with all of the Commissioners and Advisors. I was under the impression Commissioner Simon could not attend the meeting, it would be yourself and Mr. Momoh, please confirm.

We are able to make the meeting from 2 - 2:45 pm in order to accommodate everyone's schedule. If you are agreeable, please let me know so I may contact Commissioner Ferron's office to begin his meeting at 2:45 pm instead of 2:30 pm.

Regards,
Georgina Yeboah

Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 2:45 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello...there has been miscommunication somewhere. Your meeting is on Commissioner Simon and his Advisors' calendar for Weds 9/6 from 11am to noon.

Please let Scott or Cris (email addresses above) know if this group accepts the 11am to noon appointment or if it can only be here at 2pm.

I also suggest you allow at least an hour for this many attendees to meet with Commissioner Simon. I don't see how 1/2 hour with can be at all productive.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Fernandez, Cristine
Sent: Thursday, September 20, 2012 9:35 AM
To: White, Phyllis R.; Mosbaugh, Scott
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

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Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Sending final confirmation for the Morgan Stanley visit with Phyllis White and Rahmon Momoh on Sept. 26th from 2 - 2:30 pm in room 5305. Listed below are the (17) attendees.

Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
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Ryan Mooney, Pointstate Capital
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Tom O'Neill, Green Arrow Capital Management

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Georgina.Yeboah@morganstanley.com

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415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

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Sent:	Thursday, September 20, 2012 1:25 PM
To:	Mosbaugh, Scott <scott.mosbaugh@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello,

Would you be so kind and send bios for all attendees on your end.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Morgan Stanley | Research
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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
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Chris Shelton, Millennium Partners
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Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
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regards,
Georgina Yeboah
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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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Sent: Monday, August 13, 2012 3:52 PM
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Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

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Georgina Yeboah
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Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Thursday, September 20, 2012 1:37 PM
To:	Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Thanks Cody. Would you happen to have a pdf version? A picture would be bonus, but no worries.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 3:42 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Carol A. Brown was hired as an Administrative Law Judge by the California Public Utilities Commission (CPUC) in 1999 and handled multiple proceedings in the electric and gas arena and in particular in resource procurement and the long term planning proceedings. Carol was trained as an alternate dispute mediator and regularly functioned as a mediator in commission matters. Carol was Acting Chief Administrative Law Judge 2002-2003 and supervised forty five judges and thirty support staff personnel in that capacity. Since 2009, Carol has been Chief of Staff to President Michael R. Peevey.

Carol received her B.A. from the University of Southern California, a M.A. in social sciences from Cal-State University Fullerton and a J.D. from the University of Southern California. Carol has been an member of the State Bar of California since 1985, beginning her practice at a law firm in Newport Beach that focused on business and real estate matters. Carol then worked at the Resolution Trust Corporation (RTC) in Newport Beach as a senior litigation attorney (1992-1995), in charge of complex proceedings at both the state and federal courts. Carol then moved to northern Califonia, working as Chief Counsel to the Cal-OSHA Appeals Board in Sacramento, before joining the CPUC.

Carol regularly teaches courses in Remedies and Legal Ethics as an adjunct professor at local law schools.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 20, 2012 12:34 PM
To: Goldthrite, Cody
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Hope you are up and running on a computer at this point, please see below.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

.

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 1:33 PM
To: 'Goldthrite, Cody'
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Sending final confirmation for the Morgan Stanley visit with Carol Brown and Paul Clanon on Sept. 26th from 1 - 2 pm. Listed below are the (17) attendees. Hopefully, you were able to secure room 5305.

Also, would you be able to forward their bios, we're putting together an investor packet for the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
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John Alli, Decade Capital
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Sent: Wednesday, August 08, 2012 10:30 AM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Thursday, September 20, 2012 1:46 PM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Just wanted to follow-up on setting up a call.

Stephen is available tomorrow from 2-3pm EST / 11 am -12 pm PDT. On Mon., Sept 24th, he has availability at 12pm-1:30 pm EST / 9 - 10:30 am PDT or 3:30 - 5 pm EST / 12:30 - 2pm PDT.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Ferron, Mark (mark.ferron@cpuc.ca.gov)
Sent: Thursday, September 20, 2012 1:00 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Re: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Sure thing. My assistant, Juliane Banks, is in control of my calendar and can find a time that mutually suits.

Thanks

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

On Sep 20, 2012, at 9:51 AM, Byrd, Stephen wrote:

Commissioner Ferron, it would be our pleasure to put you on our research distribution list, and we will also send you our recent research that may be of interest to you. The format you propose for the meeting works for us. I'd love to have the opportunity to speak with you by phone before we head out next week, so that I can give you a bit of my background and briefly discuss key developments in the sector. I can also share the topics of most interest to investors - I doubt any of the topics would be a surprise to you. Would you be amenable to having a brief call this week or early next week?

Stephen Byrd, Executive Director
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

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From: Ferron, Mark (mark.ferron@cpuc.ca.gov)
Sent: Thursday, September 20, 2012 12:47 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Fwd: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Stephen,

While I enjoy meeting with equity analysts and investors, I have only one stipulation before agreeing to a meeting: that I am put on the distribution list for research pertaining to California utilties. Is this something that you are able to agree to? If so, could you also please send me any recent research (say over the last 6-12 months) on the sector that you think might be relevant?

Also, in the absence of an agenda, I am intending to make a brief introductory presentation on my perspectives on utility regulation in California, which I hope will frame the discussion and leave plenty of time for Q&A.

I hope that we will be able to meet next week.

Best regards

Mark

p.s., My Bio is as below:

Mark J. Ferron was appointed to the CPUC by Governor Jerry Brown on March 22, 2011. Before returning to California in 2009, Commissioner Ferron spent 25 years in global finance, banking and operations. From 2001 to 2009 he worked as chief operating officer for the Global Markets Division of Deutsche Bank in London, where he had responsibility for all operational activities globally across fixed income, currency, commodity and equity markets. Before joining Deutsche Bank, Commissioner Ferron was a vice president at Salomon Brothers from 1994 to 1996, and was a vice president at Bank of America from 1986 to 1994. Immediately prior to his appointment to the CPUC, he was a senior partner at the Silicon Valley Social Venture Fund and a board fellow of the New Teacher Center.

Commissioner Ferron holds a B.S. in mathematics from the University of Notre Dame and a master's degree in economics from Stanford University.

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

Begin forwarded message:

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: FW: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm
Date: September 19, 2012 11:09:44 AM PDT
To: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>

Fyi...please see attendee list below...

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy

Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail:stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail:rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent:	Thursday, September 20, 2012 3:16 PM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Georgina,

It looks like tomorrow won't work, but Monday at 3:30pm may be the best option. Let me double check and get back to you soon.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 20, 2012 1:46 PM
To: Banks, Juliane
Cc: TerKeurst, Charlotte; Lalwani, Rajeev; Byrd, Stephen
Subject: RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

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1585 Broadway, 38th Floor | New York, NY 10036
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Georgina.Yeboah@morganstanley.com

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Sent: Thursday, September 20, 2012 1:00 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Re: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Sure thing. My assistant, Juliane Banks, is in control of my calendar and can find a time that mutually suits.

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Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

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Stephen.Byrd@morganstanley.com

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Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

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Date: September 19, 2012 11:09:44 AM PDT
To: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>

Fyi...please see attendee list below...

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

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Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail:stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail:rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Mosbaugh, Scott[scott.mosbaugh@cpuc.ca.gov]
Sent:	Thursday, September 20, 2012 3:42 PM
To:	'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Georgina,

Commissioner Simon will be attending the meeting with his energy advisors Rahmon Momoh and Bishu Chatterjee, and his Chief of Staff, Phyllis White. I'm sorry but we do not have bios for the advisors.

Scott Mosbaugh
Office of Commissioner Simon
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102
(415) 703-4435

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 20, 2012 1:25 PM
To: Mosbaugh, Scott; Fernandez, Cristine
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello,

Would you be so kind and send bios for all attendees on your end.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 4:09 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Your appt is now on Commissioner Simon's calendar for 2pm to 2:45pm on 9/26.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 20, 2012 12:24 PM

To: White, Phyllis R.; Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Good afternoon,

I am sorry to hear of the miscommunication, when I submitted the original meeting request I asked for 9/26 anytime in the afternoon, please see attached. Unsure as to how that turned into 11am on 9/6. Hopefully everyone involved will still be able to attend a 2 pm meeting as the 11 am slot is not feasible, the group will be attending meetings at another site.

Originally we requested a 1 hour meeting, however a hearing was scheduled which required us to juggle the meeting times so that the investors could meet with all of the Commissioners and Advisors. I was under the impression Commissioner Simon could not attend the meeting, it would be yourself and Mr. Momoh, please confirm.

We are able to make the meeting from 2 - 2:45 pm in order to accommodate everyone's schedule. If you are agreeable, please let me know so I may contact Commissioner Ferron's office to begin his meeting at 2:45 pm instead of 2:30 pm.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 2:45 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello...there has been miscommunication somewhere. Your meeting is on Commissioner Simon and his Advisors' calendar for Weds 9/6 from 11am to noon.

Please let Scott or Cris (email addresses above) know if this group accepts the 11am to noon appointment or if it can only be here at 2pm.

I also suggest you allow at least an hour for this many attendees to meet with Commissioner Simon. I don't see how 1/2 hour with can be at all productive.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Fernandez, Cristine
Sent: Thursday, September 20, 2012 9:35 AM
To: White, Phyllis R.; Mosbaugh, Scott
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Fyi……..

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:47 AM

To: Fernandez, Cristine
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

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Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

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Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
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regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon
415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
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Sent:	Thursday, September 20, 2012 4:49 PM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

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You are very welcome.

Okay, no problem. I will adjust the time on the calendar to reflect the change.

You also have a great weekend! ☺

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Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov] <mark.ferron@cpuc.ca.gov>
Sent:	Friday, September 21, 2012 4:29 PM
To:	'stephen.byrd@morganstanley.com'; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; 'rajeev.lalwani@morganstanley.com'; Yeboah, Georgina (Georgina.Yeboah@morganstanley.com)
Subject:	Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Attach:	fileno 0

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting
BNK 9/19/12 – updating w/attendee list
BNK 9/21/12 – changing time from 2:30 to 2:45 and decreasing time to 45 mins per Georgina's request

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

1. Person (and company) requesting meeting:	**Today's Date**:
Stephen Byrd, Executive Director (Morgan Stanley)	7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon **In Person** **By phone**

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy Telecom Transportation Water General**

7a. Proceeding category: **Ratesetting Adjudicatory Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani **E-mail: Rajeev.lalwani@morganstanley.com**

Office phone: 212-761-8518 **Cell: 917-699-1008** **Fax No.:**

Office use only:

FER CFT MC3 SMK CHH **Comments:** **Confirmed date:** **Confirmed time:**

.

Subject: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Location: Room 5305

Start: Wed 9/26/2012 2:45 PM
End: Wed 9/26/2012 3:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Ferron, Mark J.

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting
BNK 9/19/12 – updating w/attendee list
BNK 9/21/12 – changing time from 2:30 to 2:45 and decreasing time to 45 mins per Georgina's request

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]<mailto:[mailto:Georgina.Yeboah@morganstanley.com]>
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject:Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com<blocked::mailto:stephen.byrd@morganstanley.com>)

Austin Zeigler, Morgan Stanley

Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com<blocked::mailto:rajeev.lalwani@morganstanley.com>)

Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies

John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com<mailto:Georgina.Yeboah@morganstanley.com>

1. Person (and company) requesting meeting:

   Stephen Byrd, Executive Director (Morgan Stanley) Today's Date:

7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state
3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon In Person By phone

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor
6. Industry: Energy Telecom Transportation Water General

7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)
Name Company Title
Stephen Byrd Morgan Stanley Executive Director
Rajeev Lalwani Morgan Stanley Vice President
Austin Zeigler Morgan Stanley Executive Director
10. List your contact information:
Contact name: Rajeev Lalwani E-mail:
Rajeev.lalwani@morganstanley.com<mailto:Rajeev.lalwani@morganstanley.com>
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:

Office use only:

FER CFT MC3 SMK CHH Comments:

Confirmed date:

Confirmed time:

CPUC07135

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, September 24, 2012 5:59 AM
To:	mark.ferron@cpuc.ca.gov
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Attach:	Untitled Attachment

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.

From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)

CPUC07137

From:	Byrd, Stephen <Stephen.Byrd@morganstanley.com> on behalf of Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, September 24, 2012 5:59 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Attach:	Untitled Attachment

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.

From: Byrd, Stephen [Stephen.Byrd@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)

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From:	Byrd, Stephen <stephen.byrd@morganstanley.com>
Sent:	Tuesday, September 25, 2012 5:30 AM
To:	mark.ferron@cpuc.ca.gov
Cc:	Georgina.Yeboah@morganstanley.com; juliane.banks@cpuc.ca.gov; charlotte.terkeurst@cpuc.ca.gov; Rajeev.Lalwani@morganstanley.com
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Attachment(s):
SRE June 26 LNG and CA Reg.pdf
Regulated Utility Initiation.pdf
PCG Initiation.pdf
SRE Analyst Day Preview.pdf
Comparing CA Utilities.pdf

Commissioner Ferron, attached please find several recent research reports on the three large California utilities, as well as our initiation report covering the regulated utilities (published in January 2012). Thank you again for your time, we are very much looking forward to our upcoming meeting. Regards, Stephen.

Stephen Byrd, Executive Director
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

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From: Ferron, Mark (mark.ferron@cpuc.ca.gov)
Sent: Thursday, September 20, 2012 1:00 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Re: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Sure thing. My assistant, Juliane Banks, is in control of my calendar and can find a time that mutually suits.

Thanks

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

On Sep 20, 2012, at 9:51 AM, Byrd, Stephen wrote:

Commissioner Ferron, it would be our pleasure to put you on our research distribution list, and we will also send you our recent research that may be of interest to you. The format you propose for the meeting works for us. I'd love to have the opportunity to speak with you by phone before we head out next week, so that I can give you a bit of my background and briefly discuss key developments in the sector. I can also share the topics of most interest to investors - I doubt any of the topics would be a surprise to you. Would you be amenable to having a brief call this week or early next week?

Stephen Byrd, Executive Director
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036

Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

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From: Ferron, Mark (mark.ferron@cpuc.ca.gov)
Sent: Thursday, September 20, 2012 12:47 PM
To: Byrd, Stephen (Research)
Cc: Yeboah, Georgina (Research); Banks, Juliane; TerKeurst, Charlotte; Lalwani, Rajeev (Research)
Subject: Fwd: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Stephen,

While I enjoy meeting with equity analysts and investors, I have only one stipulation before agreeing to a meeting: that I am put on the distribution list for research pertaining to California utilties. Is this something that you are able to agree to? If so, could you also please send me any recent research (say over the last 6-12 months) on the sector that you think might be relevant?

Also, in the absence of an agenda, I am intending to make a brief introductory presentation on my perspectives on utility regulation in California, which I hope will frame the discussion and leave plenty of time for Q&A.

I hope that we will be able to meet next week.

Best regards

Mark

p.s., My Bio is as below:

Mark J. Ferron was appointed to the CPUC by Governor Jerry Brown on March 22, 2011. Before returning to California in 2009, Commissioner Ferron spent 25 years in global finance, banking and operations. From 2001 to 2009 he worked as chief operating officer for the Global Markets Division of Deutsche Bank in London, where he had responsibility for all operational activities globally across fixed income, currency, commodity and equity markets. Before joining Deutsche Bank, Commissioner Ferron was a vice president at Salomon Brothers from 1994 to 1996, and was a vice president at Bank of America from 1986 to 1994. Immediately prior to his appointment to the CPUC, he was a senior partner at the Silicon Valley Social Venture Fund and a board fellow of the New Teacher Center.

Commissioner Ferron holds a B.S. in mathematics from the University of Notre Dame and a master's degree in economics from Stanford University.

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

Begin forwarded message:

From: "Banks, Juliane" <juliane.banks@cpuc.ca.gov>
Subject: FW: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm
Date: September 19, 2012 11:09:44 AM PDT

To: "Ferron, Mark J." <mark.ferron@cpuc.ca.gov>
Cc: "TerKeurst, Charlotte" <charlotte.terkeurst@cpuc.ca.gov>

Fyi...please see attendee list below...

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:56 AM
To: Banks, Juliane
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail:stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail:rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 25, 2012 6:16 AM
To:	Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Cc:	Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Please find final changes to the attendees list below, total headcount is now 16.

Kindly add Charlie Hebard of Fidelity Investments

James Doyle, Causeway Capital Management will be replaced by Ellen Lee
Ryan Mooney, Pointstate Capital will be replaced by Ted Heyn

Jeffrey Rosenbaum will no longer attend

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 1:33 PM
To: 'Goldthrite, Cody'
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Sending final confirmation for the Morgan Stanley visit with Carol Brown and Paul Clanon on Sept. 26th from 1 - 2 pm. Listed below are the (17) attendees. Hopefully, you were able to secure room 5305.

Also, would you be able to forward their bios, we're putting together an investor packet for the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley | e-mail: stephen.byrd@morganstanley.com | phone: 917-319-3039
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 10:30 AM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 25, 2012 6:22 AM
To:	Mosbaugh, Scott <scott.mosbaugh@cpuc.ca.gov>; Fernandez, Cristine <cristine.fernandez@cpuc.ca.gov>
Cc:	Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Scott / Cristine

Please find final changes to the attendees list below, total headcount is now 16.

Kindly add Charlie Hebard of Fidelity Investments

James Doyle, Causeway Capital Management will be replaced by Ellen Lee
Ryan Mooney, Pointstate Capital will be replaced by Ted Heyn

Jeffrey Rosenbaum will no longer attend

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Yeboah, Georgina (Research)
Sent: Thursday, September 20, 2012 4:25 PM
To: Mosbaugh, Scott; Fernandez, Cristine
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello,

Would you be so kind and send bios for all attendees on your end.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 4:09 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Your appt is now on Commissioner Simon's calendar for 2pm to 2:45pm on 9/26.

Phyllis R. White, Chief of Staff

Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Thursday, September 20, 2012 12:24 PM
To: White, Phyllis R.; Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Good afternoon,

I am sorry to hear of the miscommunication, when I submitted the original meeting request I asked for 9/26 anytime in the afternoon, please see attached. Unsure as to how that turned into 11am on 9/6. Hopefully everyone involved will still be able to attend a 2 pm meeting as the 11 am slot is not feasible, the group will be attending meetings at another site.

Originally we requested a 1 hour meeting, however a hearing was scheduled which required us to juggle the meeting times so that the investors could meet with all of the Commissioners and Advisors. I was under the impression Commissioner Simon could not attend the meeting, it would be yourself and Mr. Momoh, please confirm.

We are able to make the meeting from 2 - 2:45 pm in order to accommodate everyone's schedule. If you are agreeable, please let me know so I may contact Commissioner Ferron's office to begin his meeting at 2:45 pm instead of 2:30 pm.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: White, Phyllis R. [mailto:phyllis.white@cpuc.ca.gov]
Sent: Thursday, September 20, 2012 2:45 PM
To: Yeboah, Georgina (Research); Mosbaugh, Scott; Fernandez, Cristine
Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello...there has been miscommunication somewhere. Your meeting is on Commissioner Simon and his Advisors' calendar for Weds 9/6 from 11am to noon.

Please let Scott or Cris (email addresses above) know if this group accepts the 11am to noon appointment or if it can only be here at 2pm.

I also suggest you allow at least an hour for this many attendees to meet with Commissioner Simon. I don't see how 1/2 hour with can be at all productive.

Phyllis R. White, Chief of Staff
Office of Commissioner Simon
Office: (415) 703-1955
Email : prw@cpuc.ca.gov

From: Fernandez, Cristine
Sent: Thursday, September 20, 2012 9:35 AM
To: White, Phyllis R.; Mosbaugh, Scott

Cc: Momoh, Rahmon O.; Chatterjee, Bishu; Saine, Lauren
Subject: FW: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Fyi……..

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 10:47 AM
To: Fernandez, Cristine
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Sending final confirmation for the Morgan Stanley visit with Phyllis White and Rahmon Momoh on Sept. 26th from 2 - 2:30 pm in room 5305. Listed below are the (17) attendees.

Also, would you be able to forward their bios, we're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Fernandez, Cristine [mailto:cristine.fernandez@cpuc.ca.gov]
Sent: Monday, August 13, 2012 3:52 PM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hello Georgina, I was able to reserve room 5305 for this meeting.

Ms. Cristine Fernandez
Office of Commissioner Timothy A. Simon

415-703-3712

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, August 08, 2012 7:51 AM
To: Fernandez, Cristine
Subject: Morgan Stanley meeting with Phyllis White & Rahmon Momoh on 9/26 at 2 pm PDT

Hi Cristine,

Would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accommodate a large group.

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Tuesday, September 25, 2012 7:44 AM
To: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Cc: Byrd, Stephen <Stephen.Byrd@morganstanley.com>; Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>; Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject: RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Please find final changes to the attendees list below, total headcount is now 16. Kindly let me know if there are any questions.

Please add Charlie Hebard of Fidelity Investments

James Doyle, Causeway Capital Management will be replaced by Ellen Lee
Ryan Mooney, Pointstate Capital will be replaced by Ted Heyn

Jeffrey Rosenbaum will no longer attend

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 1:56 PM
To: 'Banks, Juliane'
Cc: Byrd, Stephen (Research); Lalwani, Rajeev (Research); Quinn, William (IED); Yang, Jancy (Marketing)
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 2:30 - 3:30 pm

Hi Juliane,

Sending final confirmation for the Morgan Stanley visit with Commissioner Ferron on Sept. 26th from 2:30 - 3:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send the Commissioner's bio? When I attempt to pull it off the website, to shows links, etc. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital

Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent:	Tuesday, September 25, 2012 8:14 AM
To:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Thank you.

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Tuesday, September 25, 2012 6:16 AM
To: Goldthrite, Cody
Cc: Yang, Jancy
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Please find final changes to the attendees list below, total headcount is now 16.

Kindly add Charlie Hebard of Fidelity Investments

James Doyle, Causeway Capital Management will be replaced by Ellen Lee
Ryan Mooney, Pointstate Capital will be replaced by Ted Heyn

Jeffrey Rosenbaum will no longer attend

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 1:33 PM
To: 'Goldthrite, Cody'
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

Hi Cody,

Sending final confirmation for the Morgan Stanley visit with Carol Brown and Paul Clanon on Sept. 26th from 1 - 2 pm. Listed below are the (17) attendees. Hopefully, you were able to secure room 5305.

Also, would you be able to forward their bios, we're putting together an investor packet for the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley | e-mail: stephen.byrd@morganstanley.com | phone: 917-319-3039
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management

James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

Be carbon conscious. Please consider our environment before printing this email.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, August 08, 2012 10:30 AM
To: Yeboah, Georgina (Research)
Subject: RE: Morgan Stanley meeting with Carol Brown and Paul Clanon 9/26 at 1:00 PM

The room may be a problem but I can see.

Paul is the Executive Director and Carol is the Chief of Staff to President Peevey.

Sent from my Verizon Wireless 4G LTE Smartphone

"Yeboah, Georgina" <Georgina.Yeboah@morganstanley.com> wrote:
Hi Cody,

Would you be so kind and provide me with Carol Brown and Paul Clanon's titles? We are preparing our final agenda for investors for this trip.

Also, would it be possible to reserve a larger conference room for this meeting? We expect anywhere from 10 -12 investors in addition to the 3 MS attendees. In arranging meetings with other Commissioners I've been told that room 5305 can accomodate a large group.

Thank you,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 25, 2012 10:11 AM
To:	Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Cc:	ahb@cpuc.ca.gov; Yang, Jancy <Jancy.Yang@morganstanley.com>; Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Hi Joan / Amy,

Please find final changes to the attendees list below, total headcount is now 16.

Kindly add Charlie Hebard of Fidelity Investments

James Doyle, Causeway Capital Management will be replaced by Ellen Lee
Ryan Mooney, Pointstate Capital will be replaced by Ted Heyn

Jeffrey Rosenbaum will no longer attend

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978

From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 2:19 PM
To: 'Dahlgren, Joan'
Cc: Byrd, Stephen (Research); Lalwani, Rajeev (Research); Quinn, William (IED); Yang, Jancy (Marketing)
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Hi Joan,

Sending final confirmation for the Morgan Stanley visit with Commissioner Florio, Matthew Tisdale and Sepideh Khosrowjah on Sept. 26th from 3:30 - 4 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? When I attempt to pull the Commissioner's off the website, it shows links, etc. and Matthew/Sepideh's aren't posted. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management

Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Banks, Juliane[juliane.banks@cpuc.ca.gov] <mark.ferron@cpuc.ca.gov>
Sent:	Tuesday, September 25, 2012 10:59 AM
To:	'stephen.byrd@morganstanley.com'; TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; 'rajeev.lalwani@morganstanley.com'; Yeboah, Georgina (Georgina.Yeboah@morganstanley.com)
Subject:	Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Attach:	fileno 0

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting
BNK 9/19/12 – updating w/attendee list
BNK 9/21/12 – changing time from 2:30 to 2:45 and decreasing time to 45 mins per Georgina's request
BNK 9/25/12 – updating w/attendee list

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

ATTENDEE LIST:
Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Charlie Hebard of Fidelity Investments
Chris Shelton, Millennium Partners
Ellen Lee, Causeway Capital Management
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ted Heyn, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

1. Person (and company) requesting meeting: **Today's Date**:

Stephen Byrd, Executive Director (Morgan Stanley) 7/16/2012

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon **In Person** **By phone**

Proposed staff: Comr. Ferron* **Charlotte TerKeurst** **Michael Colvin** **Sara Kamins** **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor

6. Industry: **Energy** **Telecom** **Transportation** **Water** **General**

7a. Proceeding category: **Ratesetting** **Adjudicatory** **Quasi-Legislative**
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. **List your meeting attendee(s).** (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director
Rajeev Lalwani	Morgan Stanley	Vice President
Austin Zeigler	Morgan Stanley	Executive Director

10. List your contact information:

Contact name: Rajeev Lalwani **E-mail: Rajeev.lalwani@morganstanley.com**

Office phone: 212-761-8518 **Cell: 917-699-1008** **Fax No.:**

Office use only:

FER CFT MC3 SMK CHH **Comments:** **Confirmed date:** **Confirmed time:**

.

Subject: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Location: Room 5305

Start: Wed 9/26/2012 2:45 PM
End: Wed 9/26/2012 3:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Ferron, Mark J.

BNK 7/25/12 – list of attendees pending
BNK 9/11/12 – reducing time from 1 hr to 30 mins per Georgina's request
BNK 9/11/12 – changing time from 3pm to 2:30pm and increasing time back to an hour due to cancellation of conflicting meeting
BNK 9/19/12 – updating w/attendee list
BNK 9/21/12 – changing time from 2:30 to 2:45 and decreasing time to 45 mins per Georgina's request
BNK 9/25/12 – updating w/attendee list

Contact: Rajeev Lalwani 212-761-8518 or Georgina Yeboah 212-761-6978

ATTENDEE LIST:

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com<blocked::mailto:stephen.byrd@morganstanley.com>)

Austin Zeigler, Morgan Stanley

Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com<blocked::mailto:rajeev.lalwani@morganstanley.com>)

Ashar Khan, Visium Asset Management
Charlie Hebard of Fidelity Investments
Chris Shelton, Millennium Partners
Ellen Lee, Causeway Capital Management
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ted Heyn, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

1. Person (and company) requesting meeting:

Stephen Byrd, Executive Director (Morgan Stanley) Today's Date:

2. Reason for meeting (subject, topic, issues):

Meeting investors of utilities in California to discuss regulatory climate in the state

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Sept. 26th / Afternoon In Person By phone

Proposed staff: Comr. Ferron* Charlotte TerKeurst Michael Colvin Sara Kamins Charlyn Hook

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: Cancel this meeting request Assign an advisor
6. Industry: Energy Telecom Transportation Water General

7a. Proceeding category: Ratesetting Adjudicatory Quasi-Legislative
7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? Yes** No

7c. Is this an adjudicatory, complaint or enforcement case? Yes No If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? Yes No Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)
Name Company Title
Stephen Byrd Morgan Stanley Executive Director
Rajeev Lalwani Morgan Stanley Vice President
Austin Zeigler Morgan Stanley Executive Director

10. List your contact information:
Contact name: Rajeev Lalwani E-mail:
Rajeev.lalwani@morganstanley.com<mailto:Rajeev.lalwani@morganstanley.com>
Office phone: 212-761-8518 Cell: 917-699-1008 Fax No.:
Office use only:

FER CFT MC3 SMK CHH Comments:

Confirmed date:

Confirmed time:

From:	Dahlgren, Joan[joan.dahlgren@cpuc.ca.gov]
Sent:	Tuesday, September 25, 2012 11:12 AM
To:	'Yeboah, Georgina' <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Hi Sepideh,
I thought I did, but I don't seem to have a bio of you on file. Do you have something you can either attach to an email or a hard copy that I can scan?

From: Yeboah, Georgina [mailto:Georgina.Yeboah@morganstanley.com]
Sent: Wednesday, September 19, 2012 11:19 AM
To: Dahlgren, Joan
Cc: Byrd, Stephen; Lalwani, Rajeev; Quinn, William; Yang, Jancy
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 3:30 - 4 pm

Hi Joan,

Sending final confirmation for the Morgan Stanley visit with Commissioner Florio, Matthew Tisdale and Sepideh Khosrowjah on Sept. 26th from 3:30 - 4 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? When I attempt to pull the Commissioner's off the website, it shows links, etc. and Matthew/Sepideh's aren't posted. We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital
Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 25, 2012 11:25 AM
To:	mark.ferron@cpuc.ca.gov
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Attach:	Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 25, 2012 11:25 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject:	Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)
Attach:	Untitled Attachment

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.

From: Yeboah, Georgina [Georgina.Yeboah@morganstanley.com]
Subject: Accepted: Morgan Stanley Meeting re: Regulatory Climate in CA 2:45pm PDT)

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From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, September 25, 2012 1:51 PM
To:	valerie.malliett@cpuc.ca.gov
Cc:	Yang, Jancy <Jancy.Yang@morganstanley.com>
Subject:	RE: Meeting with Morgan Stanley Utilities Research | Sept 26th 4- 4:30 pm

Hi Valerie,

Please find final changes to the attendees list below, total headcount is now 16. Kindly let me know if you have any questions.

Kindly add Charlie Hebard of Fidelity Investments

James Doyle, Causeway Capital Management will be replaced by Ellen Lee
Ryan Mooney, Pointstate Capital will be replaced by Ted Heyn

Jeffrey Rosenbaum will no longer attend

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Yeboah, Georgina (Research)
Sent: Wednesday, September 19, 2012 2:44 PM
To: 'valerie.malliett@cpuc.ca.gov'
Cc: Byrd, Stephen (Research); Lalwani, Rajeev (Research); Quinn, William (IED); Yang, Jancy (Marketing)
Subject: Meeting with Morgan Stanley Utilities Research | Sept 26th 4- 4:30 pm

Hi Valerie,

Sending final confirmation for the Morgan Stanley visit with Commissioner Sandoval's advisors - Colette Kersten, Stephen St. Marie and William Johnston on Sept. 26th from 4 - 4:30 pm in room 5305. Listed below are the (17) attendees.

Also, could you send all of their bios? We're putting together an investor packet ahead of the trip.

Please let me know if anything else is needed.

Stephen Byrd, Morgan Stanley (cell phone # 917-319-3039 / e-mail: stephen.byrd@morganstanley.com)
Austin Zeigler, Morgan Stanley
Rajeev Lalwani, Morgan Stanley (cell #: 917-699-1008 / e-mail: rajeev.lalwani@morganstanley.com)
Ashar Khan, Visium Asset Management
Chris Shelton, Millennium Partners
Greg Siegfried, BBT Capital Management
Jeff Chrzanowski, George Weiss Multi-Strategy
Jeffrey Rosenbaum, York Capital Management
James Doyle, Causeway Capital Management
James Heckler, Levin Capital Strategies
John Alli, Decade Capital

Leslie Rich, JP Morgan Asset Management
Nicolas Janvier, Columbia Management
Ryan Mooney, Pointstate Capital
Timothy Filla, Jasinkiewicz Capital Management
Tom Bevan, Capital Global
Tom O'Neill, Green Arrow Capital Management

Regards,
Georgina Yeboah
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1585 Broadway, 38th Floor | New York, NY 10036
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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, September 26, 2012 11:10 AM
To: bbc@cpuc.ca.gov
Subject: Meeting

Hi Bishu,

Thanks for the message. We will be at the CPUC today for meetings from 1:00 to 4:00 and expect to meet with you from 2:00 to 3:00. Below are a broad list of questions. We are happy to focus more or less on certain topics.

General
- Overall view on the four large electric/gas utilities in the state? Compare and contrast?
- Thoughts on what they can do better?
- Is Commission's largest concern safety, reliability, bills, or policy implementation?
- Any pressure from state level on budget side?

Cost of Capital
- Thoughts on timing around resolution
- Views on ROEs for gas versus electric and if they should differ
- Any read through for water cost of capital case settlement approval?
- Views on a likely adjustment in ROEs for water per the adjustment band
- Thoughts on different utilities having different capital structures
- Views on treasury bonds as a proxy given market dynamics
- Do you care to be close to the natural average in terms of ROEs?

Rate Cases
- What's been the hold up for the rate case of Sempra utilities and SCE?
- Timeline?
- How comfortable with the multi-year rate approval are you?
- How do you assess if company cost levels and capital spending is appropriate?
- Concerns over rate increase to customer given economy?

San Bruno Explosion
- View on general cause and response
- How are Sempra and PG&E doing with CPUC mandates for safety
- Where do we stand with the various OII and OIR?
- Timeline for resolution?
- Interest in a settled outcome?
- Where do funds from the company go? State coffers?
- Why the study for how much capital PCG can raise?
- Need for a headline figure?
- Is PSEP capex something that companies should earn a full return on?

SONGS
- Thoughts on situation there? Precedent?
- What happens if not brought on-line soon? Change in rates?
- Company may have to rebuild steam generators and receive limited recovery from NEIL or Mitsubishi. Full recovery of capex and replacement power costs?
- Timeline?

Various Items
- Status of AB32 and impact on rates come Jan?
- Aggressive renewable policy. Concerns about cost?
- Interest in renewables in and out of state to meet target?
- Status of once through cooling mandate and impact
- Status of capacity market interest especially with plants shutting down
- Does state need nuclear generation?

Rajeev Lalwani, Vice President
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1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Chatterjee, Bishu[bishu.chatterjee@cpuc.ca.gov]
Sent: Wednesday, September 26, 2012 11:16 AM
To: 'Lalwani, Rajeev' <Rajeev.Lalwani@morganstanley.com>
Subject: RE: Meeting

Thank you Rajeev. The heads-up questions are very helpful.

_ _ _ _

SONGS
- Thoughts on situation there? Precedent?
- What happens if not brought on-line soon? Change in rates?
- Company may have to rebuild steam generators and receive limited recovery from NEIL or Mitsubishi. Full recovery of capex and replacement power costs?
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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, September 26, 2012 11:17 AM
To: bishu.chatterjee@cpuc.ca.gov
Subject: Re: Meeting

Great. See you at 2:00.

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

----- Original Message -----
From: Chatterjee, Bishu [mailto:bishu.chatterjee@cpuc.ca.gov]
Sent: Wednesday, September 26, 2012 02:16 PM
To: Lalwani, Rajeev (Research)
Subject: RE: Meeting

Thank you Rajeev. The heads-up questions are very helpful.

Bishu Chatterjee, PhD
Senior Energy Policy Advisor to Commissioner Timothy Alan Simon
California Public Utilities Commission
415 703 1247
bbc@cpuc.ca.gov

-----Original Message-----
From: Lalwani, Rajeev [mailto:Rajeev.Lalwani@morganstanley.com]
Sent: Wednesday, September 26, 2012 11:10 AM
To: Chatterjee, Bishu
Subject: Meeting

Hi Bishu,

Thanks for the message. We will be at the CPUC today for meetings from 1:00 to 4:00 and expect to meet with you from 2:00 to 3:00. Below are a broad list of questions. We are happy to focus more or less on certain topics.

General
- Overall view on the four large electric/gas utilities in the state? Compare and contrast?
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Cost of Capital
- Thoughts on timing around resolution
- Views on ROEs for gas versus electric and if they should differ
- Any read through for water cost of capital case settlement approval?
- Views on a likely adjustment in ROEs for water per the adjustment band
- Thoughts on different utilities having different capital structures
- Views on treasury bonds as a proxy given market dynamics

- Do you care to be close to the natural average in terms of ROEs?

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- Timeline?
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- View on general cause and response
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Rajeev Lalwani, Vice President
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Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Sent: Wednesday, September 26, 2012 9:15 PM
To: mark.ferron@cpuc.ca.gov
Subject: Thank you

Commissioner Ferron, thank you very much for your time today. The investors on the trip all expressed to me their appreciation for your time, and for the dialogue on the topics of greatest interest to the investing community. Best regards, Stephen Byrd.

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From: Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Sent: Tuesday, October 2, 2012 2:38 PM
To: Byrd, Stephen <Stephen.Byrd@morganstanley.com>; mark.ferron@cpuc.ca.gov
Subject: RE: Thank you

Commissioner Ferron, thank you again for your time this past week. I wanted to offer one follow up item, to the extent it is helpful to you. If you'd like to discuss the credit issues to utilities associated with PPAs, I'd be happy to discuss that topic further and pass along some info from S&P on the topic. If I can be helpful regarding the assessment of any of the risk factors we discussed in the meeting, please feel free to reach out to me. As I mentioned in my prior email, investor feedback was positive for all of the CPUC meetings we held. I am very thankful for your time, especially given how busy things are at the CPUC these days. Regards, Stephen.

Stephen Byrd, Executive Director
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

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-----Original Message-----
From: Byrd, Stephen (Research)
Sent: Thursday, September 27, 2012 12:15 AM
To: 'mark.ferron@cpuc.ca.gov'
Subject: Thank you

Commissioner Ferron, thank you very much for your time today. The investors on the trip all expressed to me their appreciation for your time, and for the dialogue on the topics of greatest interest to the investing community. Best regards, Stephen Byrd.

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From: Stephen Byrd <stephen.byrd@morganstanley.com>
Sent: Thursday, October 4, 2012 2:11 AM
To: mark.ferron@cpuc.ca.gov
Subject: Regulated Utilities: California Visit Takeaways

Morgan Stanley

OCTOBER 04, 2012 GMT

Regulated Utilities

California Visit Takeaways

Morgan Stanley Research
North America

Stephen Byrd
+1 212 761 3865
Rajeev Lalwani
+1 212 761 8518
Michael Dandurand
+1 212 761 1817

Edison International |Sempra Energy |PG&E Corp

Regulated Utilities

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Morgan Stanley & Co. LLC

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The key takeaway from our meeting with all Commissioner offices at the CPUC is that regulation will remain balanced. We expect ROEs to remain above-average with supportive rate case resolution this quarter. We are also upgrading EIX to OW, but maintaining ratings on SRE (OW) and PCG (EW).

ROE premium to continue, but not likely to be large. From our meetings in California, there was recognition that premium returns were needed to incentivize investment and accomplish energy goals. While the magnitude was not noted, we expect it to be modest. We now utilize a 10.5% return for all three CA utilities as we believe it supports CPUC efforts. We also believe a 52% equity ratio is likely for SRE and PCG.

Supportive rate case decisions coming soon. There was frustration at the CPUC over delays with pending rate cases at EIX and SRE. However, decisions appear likely in the coming months. There was general support for healthy utilities that would be able to carry out state policy in a reliable and safe manner. This would likely lead to utilities earning allowed ROEs going forward.

San Bruno resolution getting close, but San Onofre just starting. A settlement relating to the San Bruno explosion is progressing. An agreement may not include all parties, which the CPUC noted some comfort with. We believe our $500mn fine estimate remains appropriate. Conversely, a San Onofre nuclear plant investigation is likely, but the CPUC appears to be reserving judgment on the cause/recovery. As a result, we do not expect a near-term EPS hit to EIX/SRE.

Supportive CPUC benefits all CA utilities. However, we are upgrading EIX given attractive valuation and more confidence in management walking away from its merchant power business. For SRE, we believe it is in great position through year-end with CA regulatory items and for 2013 with LNG export approvals. For PCG we appreciate the upcoming San Bruno settlement, but believe rate case uncertainty and considerable equity needs (~$1bn per year) limit upside.

Download the complete report (12 pgs)

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Kindle: click here to register and edit alerts you want sent to your Kindle

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From:	Ferron, Mark J.[mark.ferron@cpuc.ca.gov]
Sent:	Sunday, October 7, 2012 8:23 AM
To:	Byrd, Stephen <Stephen.Byrd@morganstanley.com>
Cc:	TerKeurst, Charlotte <charlotte.terkeurst@cpuc.ca.gov>; Colvin, Michael <michael.colvin@cpuc.ca.gov>
Subject:	Re: Thank you

Hi Stephen,

Thank you for arranging the trip and for including me on your research mailing. I found the session really very helpful in the overall process and appreciated the exchange of views.

I'd welcome any information on the credit issues associated with PPAs. I have the original research piece from S&P on debt equivalence (and met with their utility analysts last November) but if you have anything further that you think might be useful, I'd appreciate it.

Thanks and regards

Mark

Mark J. Ferron
Commissioner
California Public Utilities Commission
mark.ferron@cpuc.ca.gov

On Oct 2, 2012, at 2:37 PM, "Byrd, Stephen" <Stephen.Byrd@morganstanley.com> wrote:

Commissioner Ferron, thank you again for your time this past week. I wanted to offer one follow up item, to the extent it is helpful to you. If you'd like to discuss the credit issues to utilities associated with PPAs, I'd be happy to discuss that topic further and pass along some info from S&P on the topic. If I can be helpful regarding the assessment of any of the risk factors we discussed in the meeting, please feel free to reach out to me. As I mentioned in my prior email, investor feedback was positive for all of the CPUC meetings we held. I am very thankful for your time, especially given how busy things are at the CPUC these days. Regards, Stephen.

Stephen Byrd, Executive Director
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-3865
Stephen.Byrd@morganstanley.com

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-----Original Message-----
From: Byrd, Stephen (Research)

Sent: Thursday, September 27, 2012 12:15 AM
To: 'mark.ferron@cpuc.ca.gov'
Subject: Thank you

Commissioner Ferron, thank you very much for your time today. The investors on the trip all expressed to me their appreciation for your time, and for the dialogue on the topics of greatest interest to the investing community. Best regards, Stephen Byrd.

NOTICE: Morgan Stanley is not acting as a municipal advisor and the opinions or views contained herein are not intended to be, and do not constitute, advice within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. If you have received this communication in error, please destroy all electronic and paper copies and notify the sender immediately. Mistransmission is not intended to waive confidentiality or privilege. Morgan Stanley reserves the right, to the extent permitted under applicable law, to monitor electronic communications. This message is subject to terms available at the following link: http://www.morganstanley.com/disclaimers. If you cannot access these links, please notify us by reply message and we will send the contents to you. By messaging with Morgan Stanley you consent to the foregoing.

From: Stephen Byrd <stephen.byrd@morganstanley.com>
Sent: Monday, October 15, 2012 2:15 AM
To: mark.ferron@cpuc.ca.gov
Subject: PG&E Corp(PCG.N): Harsh Treatment in Pipeline Safety Proposed Decision

Morgan Stanley

OCTOBER 15, 2012 GMT

PG&E Corp (PCG.N)

Harsh Treatment in Pipeline Safety Proposed Decision

Download the complete report (13 pgs)

Friday's Proposed Decision on pipeline safety cost recovery was harsher than expected. If approved, it may lead to weaker EPS and additional equity needs, potentially lowering the relative valuation discount. Accordingly, we remain comfortable with our EW-rating and prefer OW-rated EIX and SRE.

The Proposed Decision (PD) filed by the California Commission late Friday cut return levels on capital items by almost half and reduced expense recovery in all years for the pipeline safety plan PG&E filed following an explosion in the city of San Bruno. The PD reflected: 1) Reduced ROE levels on capital outlays associated with the plan to 6.05% for 5 years; 2) An authorized spending plan of ~$1bn through 2014 despite a request of ~$1.4bn that may still be needed; 3) Operating expense recovery on about a quarter of the original request (~$1.1bn) versus the 50% PCG offered. We broadly assumed a full return level on the filed amount and modestly higher expense recovery.

The potential impact to estimates and equity is meaningful. In aggregate, the Commission is providing the company 36% of its requested revenue requirement increase. In terms of the impact to EPS, we estimate that in each 2013 and 2014 the negative effect is ~$0.15 per share. In addition, net of tax benefits we estimate equity needs as a result of this decision to likely be higher by $200-300mn based on unrecovered costs.

Despite upside to our PT, we remain comfortable with our Equal-weight rating. Although San Bruno issues are close to being resolved, we believe the upcoming rate case uncertainty and considerable equity needs (~$1bn per year) may limit upside. In addition, we believe there is downside potential to consensus estimates, which are not fully factoring in equity needs, under-earning from the prior rate agreement, and the recent Proposed Decision. Our valuation is based on 2014 EPS but we now note that there may be downward pressure given these recent developments.

Download the complete report (13 pgs)

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iPad, iPhone, and Android: visit the Apple App Store or Android Market and download the Morgan Stanley Research app
Kindle: click here to register and edit alerts you want sent to your Kindle

Morgan Stanley Research
North America

Stephen Byrd
+1 212 761 3865
Rajeev Lalwani
+1 212 761 8518
Michael Dandurand
+1 212 761 1817

PG&E Corp
Stock Rating: Equal-weight
Share Price: USD 42.50
Target Price: USD 48.00

Market Cap (mm): USD 18,189

Industry View: Attractive

Regulated Utilities

Ask the Author a Question

Remove me from this distribution

Morgan Stanley & Co. LLC

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This is not an offer to buy or sell or the solicitation of an offer to buy or sell any security/instrument or to participate in any particular

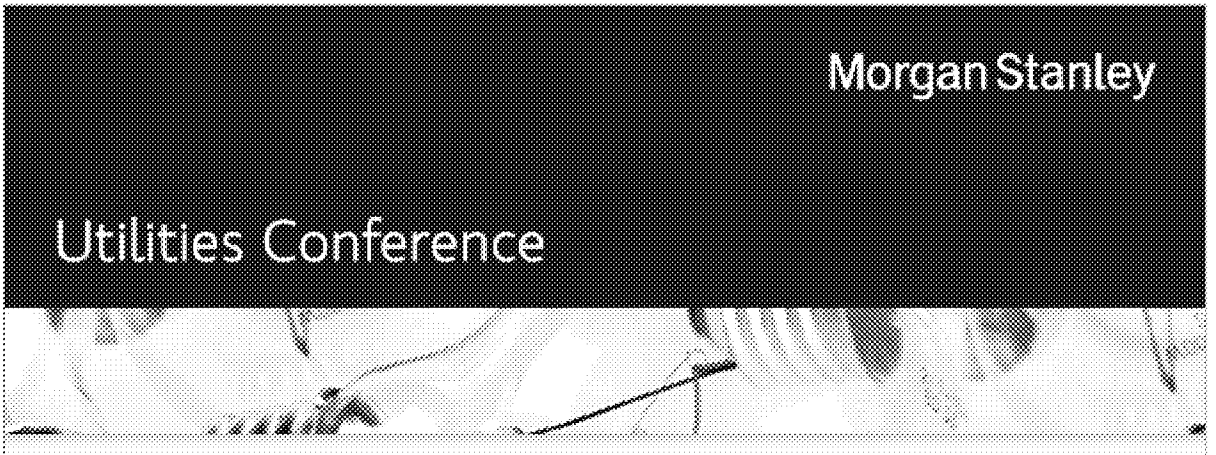
trading strategy. Morgan Stanley may advise the issuers mentioned herein or deal as a principal in or own or act as a market maker for securities/instruments mentioned herein. The research and other information provided herein speaks only as of its date. We have not undertaken, and will not undertake, any duty to update the research or information or otherwise advise you of changes in the research or information. This email message and any attachments are being sent by Morgan Stanley and may be confidential. If you are not the intended recipient, please notify the sender immediately by email an delete all copies of this message and any attachments.

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Friday, November 2, 2012 10:33 AM
To:	rsm@cpuc.ca.gov
Cc:	prw@cpuc.ca.gov
Subject:	Conference invitation for Commissioner Simon - Thurs., March 7th, 2013
Attach:	Comm Simon - conference invite.doc; Stephen Byrd biography and picture.pdf

Hi Scott and Phyllis,

Hope this e-mail finds you doing well.

Regards,
Georgina



Morgan Stanley Utilities Conference

SAVE THE DATE

DATE
Thursday, March 7 – Friday, March 8, 2013

LOCATION
New York City

We are pleased to announce that the Morgan Stanley Utilities Conference will take place in New York City on Thursday, March 7 – Friday, March 8, 2013.

No response is necessary. An invitation will follow shortly.

Morgan Stanley seeks to comply with U.S. federal, state and local regulations, including those which impose reporting requirements and constraints on the expenses that Morgan Stanley may pay on behalf of public officials and employees of government owned or controlled entities, as well as with anti-corruption laws of various countries, including the Foreign Corrupt Practices Act and the UK Bribery Act. This notice is to inform you that Morgan Stanley may be required to report expenditures made on your behalf under applicable laws. Further, you acknowledge that reimbursement may be required if applicable laws, regulations or policies prohibit Morgan Stanley from making expenditures on your behalf. Therefore, to the extent that applicable laws, regulations or policies of your employer, including a municipality, state, country, agency or other government entity, require you as an attendee to pay any part of the costs of attending this event, please contact your Morgan Stanley relationship manager or event planner listed above to make the necessary arrangements (i.e., payment, reimbursement, or other means). This notice is not an offer to provide you with meals or anything else of value if applicable laws or rules would not permit it.

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Timothy A. Simon

MEETING REQUEST FORM

Please complete and return, as instructed:

X To request a meeting with Commissioner, send this form to Scott Mosbaugh(rsm@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)

☐ **To request a meeting with the Commissioner's advisors, send this form to Cristine Fernandez (cmf@cpuc.ca.gov) and copy Phyllis White (prw@cpuc.ca.gov)**

☐ ***For Fax, send all* to** 415.703-1294

NOTE: Double click on the checkboxes below to activate/deactivate a checkmark.

1. PERSON (and COMPANY) : **Stephen Byrd, Morgan Stanley**	**Today's Date:** **11/2/12**
2. REASON (please provide as much in a paragraph covering the subject and purpose of your meeting so it is clear why you would like to meet): **As a follow-up to the field trip hosted on Wed., Sept. 26th, Stephen would like to extend an invitation for Commissioner Simon to attend Morgan Stanley's Utilities Conference on Thursday, March 7th in New York City and participate in a state regulatory panel. The panel will likely take place in the morning as we are currently in the planning stages.**	
3. Meeting parameters:	
PROPOSED MEETING DATE(S) AND TIME (S) **Thursday, March 7th, 2013, in the morning**	☒ In Person ☐ By phone
PROPOSED STAFF: ☒ Comr. Simon ☐Phyllis White ☐Lauren Saine ☐Rahmon Momoh ☐Bishu Chatterjee	

4. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☒ Cancel this meeting request ☐ Assign an advisor

5. INDUSTRY: ☒ Energy ☐ Telecom ☐ Transportation ☐ Water ☐ General

6. IS THIS PROCEEDING SUBJECT TO SB 960? ☐ Yes ☒ No ☐ Do not know

7. IF SUBJECT TO SB 960, SELECT CATEGORY: ☐ Ratesetting ☐ Adjudicatory ☐ Quasi-Legislative

For meetings with the Commissioner regarding a ratesetting proceeding, address the following statement:

I am the first party in the proceeding to meet with the Comr. & meeting with me will trigger the "equal time" requirement:

0 True - If true, you must 1) notify all parties of the meeting at least 3 days before the meeting
2) provide a copy of that notice to Commissioner Simon's office. (See Rule 8.2(c)(2))

0 False - If false, name the initial party _____ , meeting date _____ , meeting duration___

8. DOCKET NUMBER(S) **PROCEEDING DESCRIPTION:**

9. IS THIS A COMMISSION MEETING AGENDA ITEM? ☐ Yes ☒ No ☐ Do not know

If yes, specify the anticipated Commission meeting: date: sequence or item number:

10. **LIST YOUR MEETING ATTENDEE(S).** (We prefer a short biography for attendees who have never visited this office.)

Name	BIO Attached	Company	Title
Stephen Byrd	**Yes**	**Morgan Stanley**	**Executive Director**

9. **CONTACT INFORMATION:**

Contact name: Georgina Yeboah		**E-mail: gyeb@ms.com**
Office phone: 212-761-6978	**Cell:**	**Fax No.: 212-507-6936**

Office use only:

TAS PRW LBS RMM BBC	Comments:	Confirmed date: Confirmed time:

CPUC07185

CPUC07186

Stephen Byrd

Executive Director
Head of Morgan Stanley's North American Equity Research
for the Power & Utilities and Clean Energy sectors
Tel: (212) 761-3865
E-mail: Stephen.Byrd@morganstanley.com

- Prior to joining Morgan Stanley Equity Research, Stephen was Head of Corporate Strategy at NRG Energy, a Fortune 500 power generation and renewable energy development company.

- Prior to working at NRG Energy, Stephen held a number of executive positions in the industry, including:

  - CEO of an energy storage company;

  - Senior Vice President at PSEG, a Fortune 200 power company, where Stephen was in charge of Treasury, Finance, Corporate Planning and Strategy; Stephen was later promoted to President of PSEG Energy Holdings, a business unit of PSEG;

  - Investment banker for over 8 years in Morgan Stanley's Power & Utilities Group.

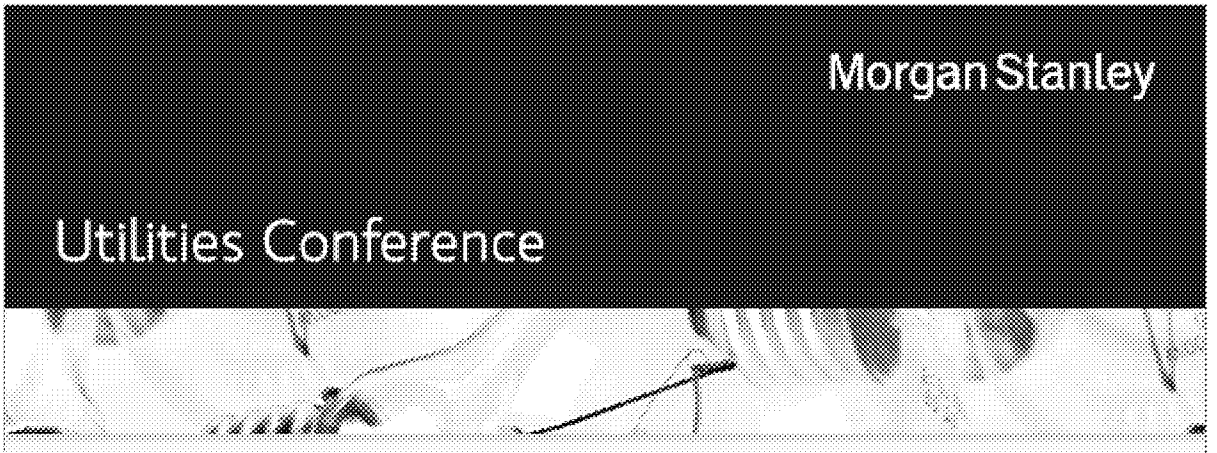
- Stephen has JD and MBA degrees from the University of Virginia, and a BBA degree from the College of William and Mary. He is a member of the New York Bar.

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, November 5, 2012 9:53 AM
To:	bnk@cpuc.ca.gov
Subject:	Conference invitation for Commissioner Ferron - Thurs., March 7th, 2013
Attach:	MeetingRequest_Ferron_ Morgan Stanley conference.doc; Stephen Byrd biography and picture.pdf

Hi Juliane,

I hope this e-mails finds you doing well.

Regards,
Georgina



Morgan Stanley Utilities Conference

SAVE THE DATE

DATE
Thursday, March 7 – Friday, March 8, 2013

LOCATION
New York City

We are pleased to announce that the Morgan Stanley Utilities Conference will take place in New York City on Thursday, March 7 – Friday, March 8, 2013.

No response is necessary. An invitation will follow shortly.

Please contact your Morgan Stanley Representative with any questions.

Morgan Stanley seeks to comply with U.S. federal, state and local regulations, including those which impose reporting requirements and constraints on the expenses that Morgan Stanley may pay on behalf of public officials and employees of government owned or controlled entities, as well as with anti-corruption laws of various countries, including the Foreign Corrupt Practices Act and the UK Bribery Act. This notice is to inform you that Morgan Stanley may be required to report expenditures made on your behalf under applicable laws. Further, you acknowledge that reimbursement may be required if applicable laws, regulations or policies prohibit Morgan Stanley from making expenditures on your behalf. Therefore, to the extent that applicable laws, regulations or policies of your employer,

including a municipality, state, country, agency or other government entity, require you as an attendee to pay any part of the costs of attending this event, please contact your Morgan Stanley relationship manager or event planner listed above to make the necessary arrangements (i.e., payment, reimbursement, or other means). This notice is not an offer to provide you with meals or anything else of value if applicable laws or rules would not permit it.

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California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, CA 94102

Office of Commissioner Mark J. Ferron
Meeting Request Form

Return the completed meeting requests, as follows:

☒ **To request a meeting with the Commissioner, send this form to Juliane Banks (bnk@cpuc.ca.gov)**
☐ **To request a meeting with only the Commissioner's advisors, send this form to Josie Emelo (je3@cpuc.ca.gov)**
☐ ***For Fax, send all to 415-703-1903***

NOTE: **Double click on the checkboxes below to activate/deactivate a checkmark.**

1. Person (and company) requesting meeting:	**Today's Date:** 11/5/12
Stephen Byrd (Morgan Stanley)	

2. Reason for meeting (subject, topic, issues):
As a follow-up to the field trip hosted on Wed., Sept 26th, Stephen would like to extend an invitation for Commissioner Ferron to attend Morgan Stanley's Utilities Conference on Thurs., March 7th 2013 in NYC and take part in a state regulatory panel. The panel will likely take place in the morning as we are currently in the planning stages.

3. Docket or Proceeding # (if applicable) and case name: N/A

4. List the proposed meeting parameters:

Proposed meeting date(s) & time(s): Thurs., March 7, 2013 ☒ **In Person** ☐ **By phone**

Proposed staff: ☒ **Comr. Ferron*** ☐ **Charlotte TerKeurst** ☐ **Michael Colvin** ☐ **Sara Kamins** ☐ **Charlyn Hook**

5. For meetings with the Commissioner alone (no advisors requested):
If the Commissioner is unavailable: ☒ Cancel this meeting request ☐ Assign an advisor

6. Industry: ☒ **Energy** ☐ **Telecom** ☐ **Transportation** ☐ **Water** ☐ **General**

7a. Proceeding category: ☐ **Ratesetting** ☐ **Adjudicatory** ☐ **Quasi-Legislative**

7b. If a proceeding is ratesetting and requires hearings, any meeting with a Commissioner triggers a requirement that the Commissioner grant an equal time meeting to every other party to the case. If you meet with the Commissioner, will he be required to grant equal time meetings with other parties to the proceeding? ☐ Yes** ☐ No

7c. Is this an adjudicatory, complaint or enforcement case? ☐ Yes ☒ No
If you answered yes, ex parte contacts are probably not allowed, so please explain why a meeting is allowed if you believe it is.

8a. Is this a Commission meeting agenda item? ☐ Yes ☒ No ☐ Do not know
If yes, specify the anticipated Commission meeting: date: Agenda Item number:
8b. If no, provide status of proceeding:

9. List your meeting attendee(s). (We prefer a short biography for attendees who have never visited this office.)

Name	Company	Title
Stephen Byrd	Morgan Stanley	Executive Director, Utilities Analyst

10. List your contact information:

Contact name: Georgina Yeboah		**E-mail: gyeb@ms.com**
Office phone: 212-761-6978	**Cell:**	**Fax No.: 212-507-6936**

Office use only:

FER CFT MC3 SMK CHH	**Comments:**	**Confirmed date:** **Confirmed time:**

***If meeting with Commissioner Ferron, please email all handouts to Juliane Banks in advance.**

** **Rule 8.3(c)(2) of the Rules of Practice and Procedure specifies that the party who requested the INITIAL individual meeting that creates an equal time requirement has to file and serve a 3-day notice.** ***If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Commissioner Ferron.***

CPUC07191

CPUC07192

Stephen Byrd

Executive Director
Head of Morgan Stanley's North American Equity Research
for the Power & Utilities and Clean Energy sectors
Tel: (212) 761-3865
E-mail: Stephen.Byrd@morganstanley.com

- Prior to joining Morgan Stanley Equity Research, Stephen was Head of Corporate Strategy at NRG Energy, a Fortune 500 power generation and renewable energy development company.

- Prior to working at NRG Energy, Stephen held a number of executive positions in the industry, including:

  - CEO of an energy storage company;

  - Senior Vice President at PSEG, a Fortune 200 power company, where Stephen was in charge of Treasury, Finance, Corporate Planning and Strategy; Stephen was later promoted to President of PSEG Energy Holdings, a business unit of PSEG;

  - Investment banker for over 8 years in Morgan Stanley's Power & Utilities Group.

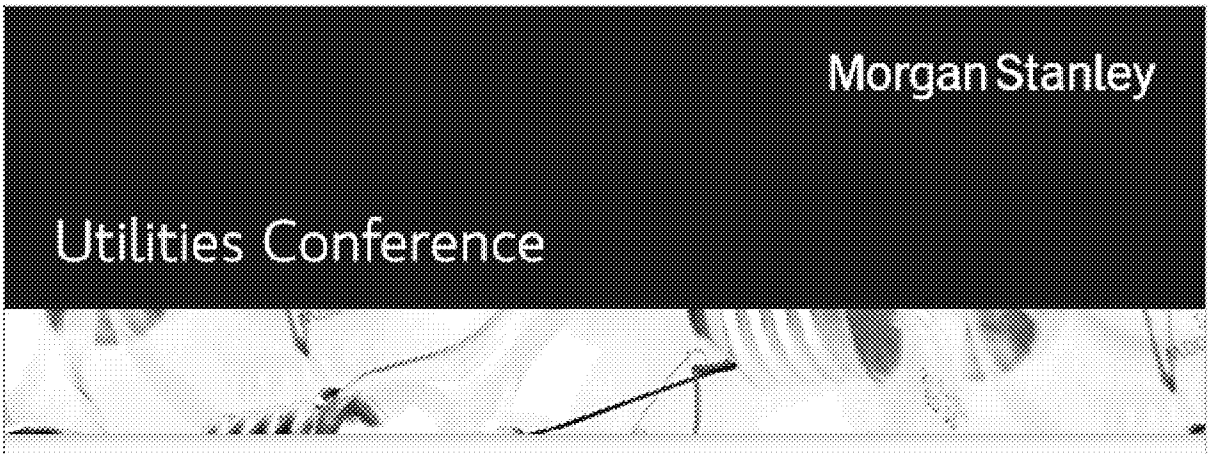
- Stephen has JD and MBA degrees from the University of Virginia, and a BBA degree from the College of William and Mary. He is a member of the New York Bar.

From: Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent: Monday, November 5, 2012 1:47 PM
To: Dahlgren, Joan <joan.dahlgren@cpuc.ca.gov>
Cc: sepideh.khosrowjah@cpuc.ca.gov; amy.brodrick@cpuc.ca.gov
Subject: Conference invitation for Commissioner Florio
Attach: MEETINGREQUEST Florio MS conference.doc

Dear all,

Hope this e-mail finds you doing well.

Regards,
Georgina



Morgan Stanley Utilities Conference

SAVE THE DATE

DATE
Thursday, March 7 – Friday, March 8, 2013

LOCATION
New York City

We are pleased to announce that the Morgan Stanley Utilities Conference will take place in New York City on Thursday, March 7 – Friday, March 8, 2013.

No response is necessary. An invitation will follow shortly.

Please contact your Morgan Stanley Representative with any questions.

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COMMISSIONER MIKE FLORIO
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-2440, FAX 415-703-2532

MEETING REQUEST FORM

Today's Date: 11/5/12
Party requesting meeting: Stephen Byrd
Docket # and Short Name: N/A
Reason for the meeting: As a follow-up to the field trip hosted on Wed., Sept 26th, Stephen would like to extend an invitation for Commissioner Florio to attend Morgan Stanley's Utilities Conference on Thurs., March 7th 2013 in NYC and take part in a state regulatory panel. The panel will likely take place in the morning as we are currently in the planning stages.
If the commissioner is not available, are you willing to meet with an advisor only? Thank you, no
Industry: Energy (X) Telecom ( ) Transportation ( ) Water ( )
SB 960 category: Adjudicatory( ) Quasi-Legislative( ) Rate-Setting ( ) No Proceeding (X)
Is this issue on the Commission meeting agenda? *Yes* ( ) *No* (X) If yes, please indicate the date of the Commission meeting:
Is this an equal time meeting? *Yes* ( ) *No* (X) Do rate-setting requirements apply to this proceeding, e.g., three-day advance notice and other reporting requirements? *Yes* ( ) *No* ( )
Has or will a hearing be held in this matter? *Yes* ( ) *No* (X)
Attendees (name, title, company) Attach additional sheet if necessary: Stephen Byrd, Executive Director, Morgan Stanley and clients of the firm
Proposed date/time of meeting: Thurs., March 7th 2013, most likely in the morning
Contact name, Phone, e-mail: Georgina Yeboah, 212-761-6978, gyeb@ms.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

The rules of Practice and Procedure, Rule 8.3(c)(2) specifies that the party who requested the INITIAL individual meeting that kicks off the equal time requirements has to provide the 3-day notice. *If the rule applies to you, bring a copy of the served Notice on the day of your meeting w/ Comr.Florio.*

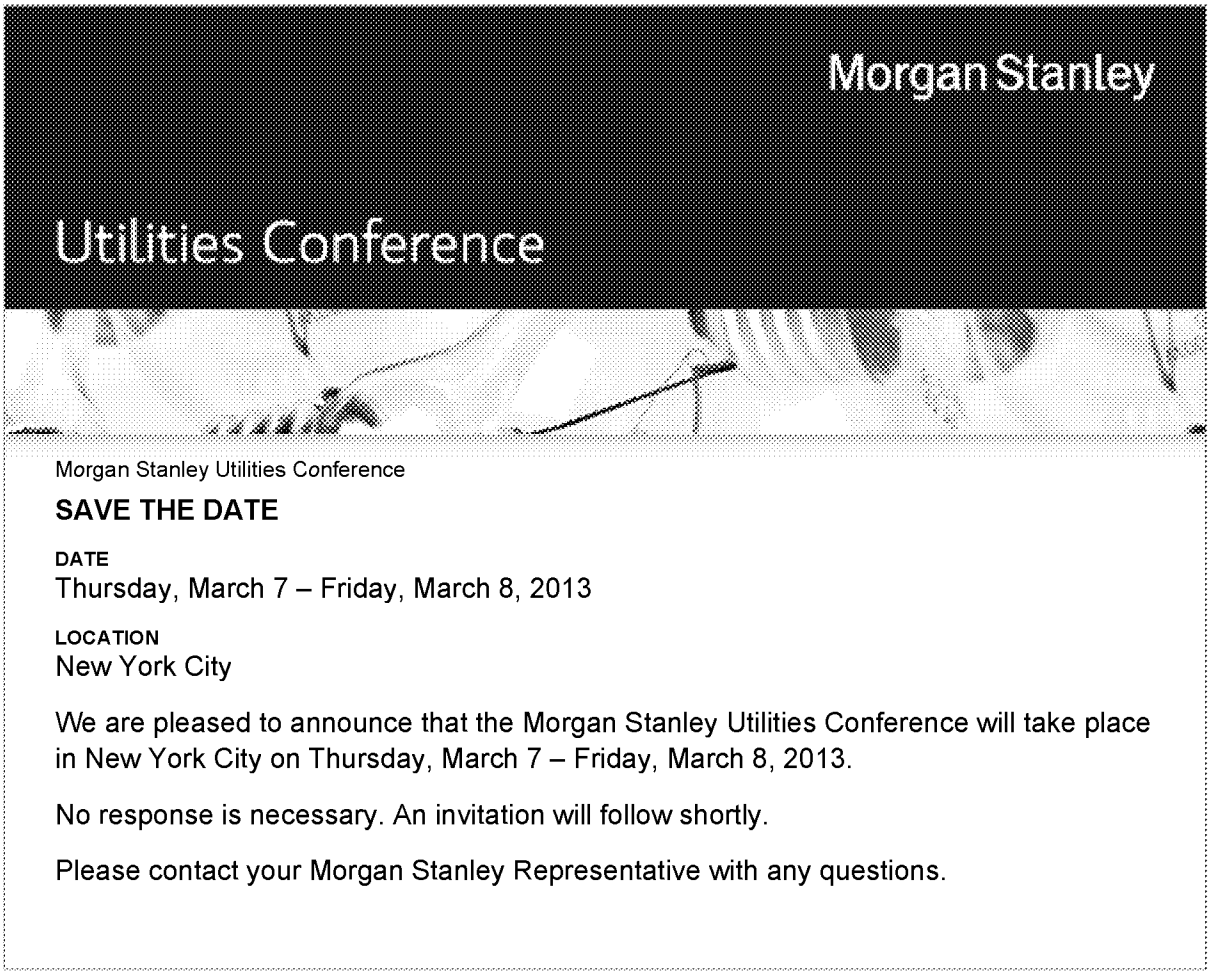
Email meeting request to Joan Dahlgren: joan.dahlgren@cpuc.ca.gov
Please cc Sepideh Khosrowjah: sepideh.khosrowjah@cpuc.ca.gov and
Amy Brodrick: amy.brodrick@cpuc.ca.gov

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, November 13, 2012 2:39 PM
To:	SandovalRequest@cpuc.ca.gov
Cc:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	Conference/speaking invitation for Commissioner Sandoval - Thurs., March 7th, 2013
Attach:	Stephen Byrd biography and picture.pdf; SandovalSpeakingInvite MS conference.doc

Good afternoon,

I hope this e-mails finds you doing well.

Regards,
Georgina



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Stanley from making expenditures on your behalf. Therefore, to the extent that applicable laws, regulations or policies of your employer, including a municipality, state, country, agency or other government entity, require you as an attendee to pay any part of the costs of attending this event, please contact your Morgan Stanley relationship manager or event planner listed above to make the necessary arrangements (i.e., payment, reimbursement, or other means). This notice is not an offer to provide you with meals or anything else of value if applicable laws or rules would not permit it.

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CPUC07199

Stephen Byrd

Executive Director
Head of Morgan Stanley's North American Equity Research
for the Power & Utilities and Clean Energy sectors
Tel: (212) 761-3865
E-mail: Stephen.Byrd@morganstanley.com

- Prior to joining Morgan Stanley Equity Research, Stephen was Head of Corporate Strategy at NRG Energy, a Fortune 500 power generation and renewable energy development company.

- Prior to working at NRG Energy, Stephen held a number of executive positions in the industry, including:

  - CEO of an energy storage company;

  - Senior Vice President at PSEG, a Fortune 200 power company, where Stephen was in charge of Treasury, Finance, Corporate Planning and Strategy; Stephen was later promoted to President of PSEG Energy Holdings, a business unit of PSEG;

  - Investment banker for over 8 years in Morgan Stanley's Power & Utilities Group.

- Stephen has JD and MBA degrees from the University of Virginia, and a BBA degree from the College of William and Mary. He is a member of the New York Bar.

Commissioner Catherine J. K. Sandoval
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (45) 1703-3700
SandovalRequest@cpuc.ca.gov

EVENT INVITATION OR SPEAKING REQUEST FORM

Use this form to request Commissioner Sandoval's presence at your event or to ask her to speak.

Today's Date:	11/13/12
Requesting Party and website:	Stephen Byrd
Event Name:	Morgan Stanley 2013 Utilities conference
Date of Event:	Thurs., March 7th 2013
Subject of Event or Speaking Engagement:	Regulatory panel
Location of Event:	NYC
RSVP date:	As soon as possible
Contact name:	Georgina Yeboah
Contact phone:	212-761-6978
Contact email:	gyeb@ms.com

Please tell us about your event. Include whether you are asking for a Keynote Speaker or Panelist, approximate length of time and subject matter, size of the audience and who is expected to attend, the type of presentation requested (for instance, should she prepare a PowerPoint presentation).
Unfortunately, Commissioner Sandoval was unavailable to meet with Stephen Byrd during his field trip on Wed., Sept 26th. Stephen would like to extend an invitation for Commissioner Sandoval to attend Morgan Stanley's Utilities Conference on Thurs., March 7th 2013 in NYC and take part in a state regulatory panel. The panel will likely take place in the morning as we are

currently in the planning stages. We have invited all of the Commissioners from the State of California and are currently extending invites to Commissioners of the NY/NJ/CT tri-state area.

Email meeting request to SandovalRequest@cpuc.ca.gov along with any materials regarding the event. Please include an agenda and a description of the event and organization. An agenda is not yet available, can forward at a later date.

From: Banks, Juliane[juliane.banks@cpuc.ca.gov]
Sent: Monday, January 28, 2013 4:25 PM
To: Yeboah, Georgina (Georgina.Yeboah@morganstanley.com)
Cc: Banks, Juliane <juliane.banks@cpuc.ca.gov>
Subject: Morgan Stanley's Utilities Conference--March 7, 2013

Hi Georgina,

Regrettably, Comr. Ferron will not be able to participate in the Morgan Stanley's Utilities Conference being held on March 7th. He just became aware of a scheduling conflict that would prevent him from traveling and asked that I contact your office to express his gratitude for the kind invitation and to send his regrets for not being able to attend the conference. In addition, he sends his best wishes for a successful event.

Thank you,

Juliane

Juliane Banks
Assistant to Commissioner Mark Ferron
California Public Utilities Commission
Direct: 415-703-2284 / Main: 415-703-2444 / Fax: 415-703-1903
bnk@cpuc.ca.gov

From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Tuesday, January 29, 2013 8:40 AM
To:	Banks, Juliane <juliane.banks@cpuc.ca.gov>
Cc:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Subject:	RE: Morgan Stanley's Utilities Conference--March 7, 2013

Hi Juliane,

Thank you kindly for your responsiveness. It is quite understandable that Comr. Ferron can not attend. I will forward his regards to Stephen.

Take care,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
Georgina.Yeboah@morganstanley.com

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From: Banks, Juliane [mailto:juliane.banks@cpuc.ca.gov]
Sent: Monday, January 28, 2013 6:25 PM
To: Yeboah, Georgina (Research)
Cc: Banks, Juliane
Subject: Morgan Stanley's Utilities Conference--March 7, 2013

Hi Georgina,

Regrettably, Comr. Ferron will not be able to participate in the Morgan Stanley's Utilities Conference being held on March 7th. He just became aware of a scheduling conflict that would prevent him from traveling and asked that I contact your office to express his gratitude for the kind invitation and to send his regrets for not being able to attend the conference. In addition, he sends his best wishes for a successful event.

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From: Stephen Byrd <stephen.byrd@morganstanley.com>
Sent: Monday, May 6, 2013 9:21 PM
To: mark.ferron@cpuc.ca.gov
Subject: PG&E Corp(PCG.N): Tough Headline Penalty, But Subject to Interpretation

Morgan Stanley

MAY 07, 2013 GMT

PG&E Corp (PCG.N)

Tough Headline Penalty, But Subject to Interpretation

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Potentially more negative than positive versus expectations. Yesterday the consumer safety division at the California Commission, the party overseeing the three main investigations relating to the San Bruno pipeline explosion, recommended a headline penalty of $2.25bil. This amount will be invested in the pipeline system to offset rate-payer costs. While at a first look this figure is well-above the $500-600mil expectation, we believe the figures are not comparable as some costs to-date may be credited, although it remains unclear based on PG&E and Commission comments. Accordingly, we evaluate a best and worst case:

Best Case: Assuming all related costs to-date (~$1.4bil) plus future unrecorded pipeline safety related disallowances (~$100mil) can be used as an offset to the headline penalty, we estimate that the after-tax amount would be about $450mil, close to expectations.

Worst Case: Assuming disallowed and other costs incurred to-date are not included (but are deductible for taxes), we assume $1.35bil will be paid over several years as an offset to future safety related spending. Based on our conversation with the Commission, however, some costs to-date are likely to be credited, although the tax deductibility remains a question.

What's our view? We are concerned the figure could trend up and earnings power could be reduced. The former is due to the politically sensitive nature of the incident (and supported by precedent from the less severe Rancho Cordova case). And for the latter, while it is a positive that PG&E will not have to make a large cash payment (reducing equity needs), the earnings power will likely be lowered as the pipeline safety plan represents a ~$1bil rate base investment through 2014. Our forecast continues to reflect a $550mil after-tax figure and we remain Equal-weight given considerable uncertainty.

What's next? More clarity in 2H13. PG&E's and intervener replies are respectively due in late May and early June. A recommended/final decision is likely in 3Q.

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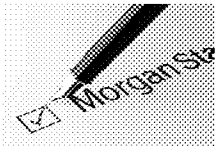

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Morgan Stanley Research
North America

Stephen Byrd
+1 212 761 3865
Rajeev Lalwani
+1 212 761 8518
Michael Dandurand
+1 212 761 1817

PG&E Corp
Stock Rating: Equal-weight
Share Price: USD 46.50

Market Cap (mm): USD 20,076

Industry View: Attractive

Regulated Utilities

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From: Stephen Byrd <stephen.byrd@morganstanley.com>
Sent: Monday, June 3, 2013 9:08 PM
To: mark.ferron@cpuc.ca.gov
Subject: Regulated Utilities: California Utilities - Same State, Different Stories

Morgan Stanley

JUNE 04, 2013 GMT

Regulated Utilities

California Utilities - Same State, Different Stories

Morgan Stanley Research
North America

Stephen Byrd
+1 212 761 3865
Rajeev Lalwani
+1 212 761 8518
Michael Dandurand
+1 212 761 1817

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All three California utilities have had notable developments recently, and despite each having large regulated assets in the same state, they offer very different investment propositions. In addition, they all appear to have upside based on our updated PTs, but we prefer SRE, EIX, then PCG.

EIX: Closer to a Bottom - Post underperformance recently, shares nearly reflect our bear case, which includes a punitive outcome relating to the San Onofre Nuclear Generating Station (SONGS), a discounted P/E, and below-consensus EPS. In our view, despite considerable uncertainty, upside exists in the medium- term as the likelihood of a nuclear retirement around year-end has increased. Our $52 PT (using a debt-like return on SONGS) implies a ~16% total return.

PCG: Almost Cleaned Up - Resolution surrounding San Bruno appears to be near following a balanced recommendation from the California Commission's Consumer Safety and Enforcement Division on a penalty. Remaining items to monitor include the pending California/FERC rate cases and any lingering San Bruno related items (criminal liabilities and third party claims). Our $47 PT (from $45.50) implies a ~9% total return.

SRE: A Good Infrastructure Growth Story - The company offers a play on US and LatAm energy infrastructure growth with an EPS CAGR of as high as 11% through decade-end. We see a continuation of positive developments on LNG export approval, MLP formation, and investment backlog growth. Our $87 PT (from $89) implies a ~10% total return

We have an order of preference, but all three have upside. Although they all appear to have upside based on our updated price targets, over the next 12 months our preference remains SRE (OW), followed by EIX (OW), and then PCG (EW). We also believe a strategy of owning all three may make sense given their idiosyncratic value drivers.

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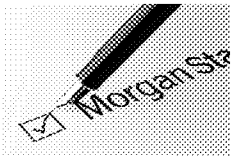

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Regulated Utilities

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From: Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Sent: Monday, July 22, 2013 8:56 AM
To: carol.brown@cpuc.ca.gov
Subject: call to discuss topical CPUC items

Hi Carol,

Hope you're doing well. If you're around this week, would like to catch up on a few topical items at the CPUC. My schedule is fairly open… Please let me know.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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From: Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent: Monday, July 22, 2013 9:00 AM
To: Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Cc: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: RE: call to discuss topical CPUC items

Good morning Rajeev,

Carol is out of the office until Tuesday, July 30th. Upon her return, I can check with her and schedule something if you wish.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:rajeev.lalwani@morganstanley.com]
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From: Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Sent: Monday, July 22, 2013 9:26 AM
To: cody.goldthrite@cpuc.ca.gov
Subject: RE: call to discuss topical CPUC items

Thanks Cody that would be great.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Monday, July 22, 2013 12:00 PM
To: Lalwani, Rajeev (Research)
Cc: Brown, Carol A.
Subject: RE: call to discuss topical CPUC items

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Cody.goldthrite@cpuc.ca.gov

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From: Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Sent: Wednesday, July 31, 2013 9:10 AM
To: cody.goldthrite@cpuc.ca.gov
Subject: RE: call to discuss topical CPUC items

Hi Cody, wanted to follow up on this and see if Carol is available to do a quick call next week.

Thanks,

Rajeev

From: Lalwani, Rajeev (Research)
Sent: Monday, July 22, 2013 12:26 PM
To: cody.goldthrite@cpuc.ca.gov
Subject: RE: call to discuss topical CPUC items

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From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
Sent: Monday, July 22, 2013 12:00 PM
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Cc: Brown, Carol A.
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415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

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From: Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, July 31, 2013 9:43 AM
To: Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Subject: RE: call to discuss topical CPUC items

My apologies for the delayed response. You are on EST, correct? I can schedule an 11AM call with you and Carol for Wednesday, August 7th. Does that work for you?

From: Lalwani, Rajeev [mailto:rajeev.lalwani@morganstanley.com]
Sent: Wednesday, July 31, 2013 9:10 AM
To: Goldthrite, Cody
Subject: RE: call to discuss topical CPUC items

Hi Cody, wanted to follow up on this and see if Carol is available to do a quick call next week.

Thanks,

Rajeev

From: Lalwani, Rajeev (Research)
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To: cody.goldthrite@cpuc.ca.gov
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Sent: Monday, July 22, 2013 12:00 PM
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Cc: Brown, Carol A.
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Office of President Peevey
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Cody.goldthrite@cpuc.ca.gov

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From:	Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent:	Wednesday, July 31, 2013 9:45 AM
To:	Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Subject:	RE: call to discuss topical CPUC items

That's not going to work. What about Thursday, August 8th at 11:30AM PST?

From: Lalwani, Rajeev [mailto:rajeev.lalwani@morganstanley.com]
Sent: Wednesday, July 31, 2013 9:10 AM
To: Goldthrite, Cody
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From:	Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov] <carol.brown@cpuc.ca.gov>
Sent:	Wednesday, July 31, 2013 9:47 AM
To:	rajeev.lalwani@morganstanley.com
Cc:	Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject:	Call to Discuss Topical CPUC Items
Attach:	fileno 0

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

.

Subject: Call to Discuss Topical CPUC Items
Location: 415-703-2971

Start: Thu 8/8/2013 11:30 AM
End: Thu 8/8/2013 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Brown, Carol A.

Rajeev Lalwani, Vice President
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Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com<mailto:Rajeev.Lalwani@morganstanley.com>

From: Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent: Wednesday, July 31, 2013 9:49 AM
To: Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Cc: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: RE: call to discuss topical CPUC items

Good morning Rajeev,

I have scheduled the call with Carol Brown for Thursday, August 8th at 11:30AM PST.

Carol's phone number: 415-703-2971

Please let me know if you have any questions.

Regards,

Cody Goldthrite
Office of President Peevey
415-703-2722 (Phone)
415-703-5091 (Fax)
Cody.goldthrite@cpuc.ca.gov

From: Lalwani, Rajeev [mailto:rajeev.lalwani@morganstanley.com]
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Subject: RE: call to discuss topical CPUC items

Hi Cody, wanted to follow up on this and see if Carol is available to do a quick call next week.

Thanks,

Rajeev

From: Lalwani, Rajeev (Research)
Sent: Monday, July 22, 2013 12:26 PM
To: cody.goldthrite@cpuc.ca.gov
Subject: RE: call to discuss topical CPUC items

Thanks Cody that would be great.

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
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Cc:	carol.brown@cpuc.ca.gov
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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, July 31, 2013 9:55 AM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: Accepted: Call to Discuss Topical CPUC Items
Attach: Untitled Attachment

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From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, July 31, 2013 9:55 AM
To: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>; Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject: Accepted: Call to Discuss Topical CPUC Items
Attach: Untitled Attachment

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From: Lalwani, Rajeev [Rajeev.Lalwani@morganstanley.com]
Subject: Accepted: Call to Discuss Topical CPUC Items

From:	Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov]
Sent:	Wednesday, July 31, 2013 10:03 AM
To:	Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Cc:	Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject:	RE: call to discuss topical CPUC items

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Carol's phone number: 415-703-2971

Please let me know if you have any questions.

Regards,

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From:	Lalwani, Rajeev <rajeev.lalwani@morganstanley.com>
Sent:	Wednesday, July 31, 2013 10:05 AM
To:	cody.goldthrite@cpuc.ca.gov
Cc:	carol.brown@cpuc.ca.gov; Georgina.Yeboah@morganstanley.com
Subject:	RE: call to discuss topical CPUC items

Sure. Whatever is easier for you. I actually have a dial in if that works better?

From: Goldthrite, Cody [mailto:cody.goldthrite@cpuc.ca.gov]
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From:	Yeboah, Georgina <georgina.yeboah@morganstanley.com>
Sent:	Wednesday, July 31, 2013 11:05 AM
To:	Rajeev.Lalwani@morganstanley.com; cody.goldthrite@cpuc.ca.gov
Cc:	carol.brown@cpuc.ca.gov
Subject:	RE: call to discuss topical CPUC items

Dial in # - 877-777-8895, please use passcode: 801228#

Regards,
Georgina Yeboah
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-6978
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From:	Goldthrite, Cody[cody.goldthrite@cpuc.ca.gov] <carol.brown@cpuc.ca.gov>
Sent:	Wednesday, July 31, 2013 11:14 AM
To:	'rajeev.lalwani@morganstanley.com'
Cc:	Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>; 'Fogarty, Eric' <eric.fogarty@gs.com>
Subject:	Call to Discuss Topical CPUC Items
Attach:	fileno 0

Dial in # - 877-777-8895, please use passcode: 801228#

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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Subject: Call to Discuss Topical CPUC Items
Location: Dial in # - 877-777-8895, please use passcode: 801228#

Start: Thu 8/8/2013 11:30 AM
End: Thu 8/8/2013 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Brown, Carol A.

Dial in # - 877-777-8895, please use passcode: 801228#

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com<mailto:Rajeev.Lalwani@morganstanley.com>

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, July 31, 2013 11:22 AM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: Accepted: Call to Discuss Topical CPUC Items
Attach: Untitled Attachment

.

From: Lalwani, Rajeev [Rajeev.Lalwani@morganstanley.com]
Subject: Accepted: Call to Discuss Topical CPUC Items

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Wednesday, July 31, 2013 11:22 AM
To: Gonzalez, Nuria <nuria.gonzalez@cpuc.ca.gov>; Goldthrite, Cody <cody.goldthrite@cpuc.ca.gov>
Subject: Accepted: Call to Discuss Topical CPUC Items
Attach: Untitled Attachment

.

From: Lalwani, Rajeev [Rajeev.Lalwani@morganstanley.com]
Subject: Accepted: Call to Discuss Topical CPUC Items

From: Lalwani, Rajeev <Rajeev.Lalwani@morganstanley.com>
Sent: Tuesday, January 21, 2014 7:55 AM
To: Brown, Carol A. <carol.brown@cpuc.ca.gov>
Subject: Utilities Conference Panel on California Regulation

Hi Carol,

Hope the holidays went well.

We are hosting our annual utilities conference here in New York on March 3 and wanted to get your thoughts on whether a Commissioner (Peevey or other recommendation) would have an interest in attending. It would be for a panel on California regulation along side the CFO of Edison International. And meetings with investors would be optional. Please let us know.

Best,

Rajeev Lalwani, Vice President
Morgan Stanley | Research
1585 Broadway, 38th Floor | New York, NY 10036
Phone: +1 212 761-8518
Rajeev.Lalwani@morganstanley.com

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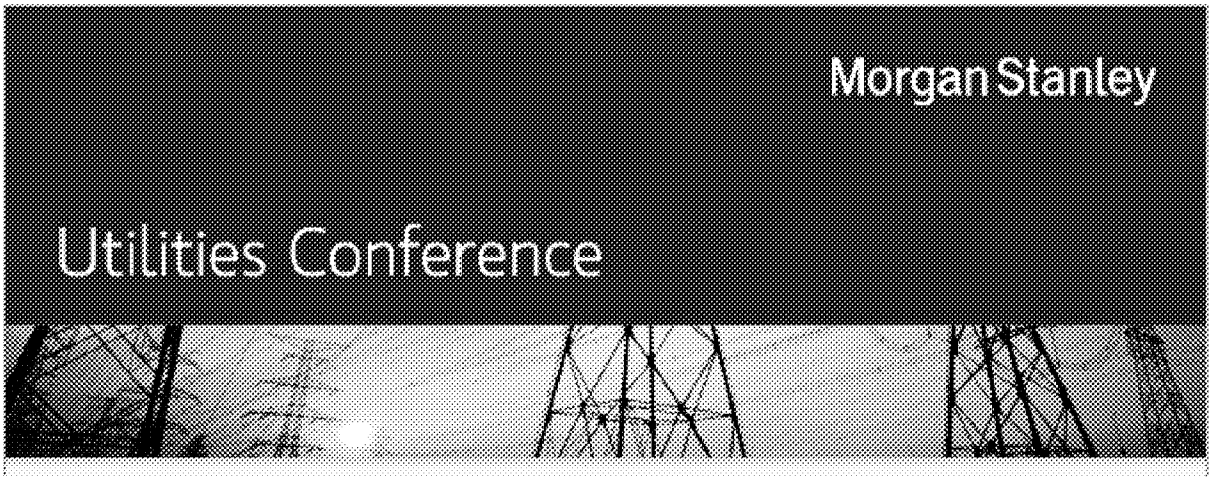
From:	Yeboah, Georgina <Georgina.Yeboah@morganstanley.com>
Sent:	Monday, January 27, 2014 11:05 AM
To:	'rsm@cpuc.ca.gov'; 'cmf@cpuc.ca.gov'
Cc:	'jf2@cpuc.ca.gov'
Subject:	Conference/panelist invitation for Commissioner Peterman - Mon., March 3rd, 2014
Attach:	PetermanEventRequest3-3-14.doc

Good day,

I hope this e-mail finds you all doing well.

Stephen Byrd, Lead Utilities analyst of Morgan Stanley, would like to extend an invitation for Commissioner Peterman to attend our Utilities Conference on Mon., March 3rd, 2014 in NYC and take part in a state regulatory panel. Please see the attached event request for for further details.

An agenda is not yet available but can be forwarded at a later date. I can be reached at 212-761-6978 or by e-mail at gyeb@ms.com for further discussion.



Morgan Stanley Utilities Conference

Please Join Us

DATE

Monday, March 3, 2014

LOCATION

The St. Regis New York
2 East 55th Street
New York City

Please join us for the Morgan Stanley Utilities Conference, which will take place Monday, March 3, 2014 at the St. Regis New York.

We look forward to having you join us.

Thank you,

The Morgan Stanley Utilities
and Corporate Access Teams

Morgan Stanley seeks to comply with anti-corruption laws of various countries, including the Foreign Corrupt Practices Act, the UK Bribery Act and U.S. federal, state and local regulations which impose constraints on the expenses the Firm may pay on behalf of public officials and employees of government owned or controlled entities. You confirm that your acceptance of this invitation, and the payment by Morgan Stanley of expenses associated with the event, do not violate your organization's policies or laws to which you may be subject, including applicable anti-corruption laws. You further acknowledge that if applicable laws, regulations or policies prohibit Morgan Stanley from making expenditures on your behalf, reimbursement by you may be required. If this is the case, please contact your Morgan Stanley relationship manager or event planner listed above to make the necessary arrangements (i.e., payment, reimbursement, or other means). Morgan Stanley may be required to report expenditures made on your behalf under applicable laws.

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COMMISSIONER CARLA J. PETERMAN
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
Telephone: (415) 703-1407, FAX (415) 703-1294

EVENT REQUEST FORM

Today's Date: January 27, 2014
Person (and entity) requesting Commissioner Peterman's Attendance: Stephen Byrd of Morgan Stanley
Name, Date and Location of Event: Morgan Stanley Utilities Conference, 3/3/2014, NYC
Information regarding event and size: This is Morgan Stanley's annual Utilities conference. The conference features a wide variety of companies within the space, and provides first-hand insight into corporate strategy, positioning and growth objectives. Morgan Stanley hosts moderate panels of company management teams and regulatory leaders in informal discussions. In addition to the panels, there are one-on-one and small group meetings with institutional investors throughout the conference.
Is this a Keynote Speaker Request ( ) Panel Speaker Request (X) Attendance Only Request ( )
If this is a Panel Request, please list all other members of the panel: William J. Scilacci, CFO of Edison International
What is the topic you are requesting Commissioner Peterman to speak on? Generally speaking, this will be an informal discussion on the California regulatory environment.
Is there a draft agenda for this event? If yes, then please attach. No, can forward when available.
Can a member of Commissioner Peterman's staff accompany her? Yes (X) No ( )
Contact name, phone, e-mail: Rajeev Lalwani, 212-761-8518, rajeev.lalwani@morganstanley.com
---For Internal Use Only Do Not Write in This Space--- Advisor: _____ Comment:

Please be aware that submission of this request does not guarantee Commissioner Peterman's attendance.

Email meeting requests to Scott Mosbaugh: rsm@cpuc.ca.gov, Cristine Fernandez: cmf@cpuc.ca.gov and cc Julie Fitch: jf2@cpuc.ca.gov