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Description of document: Tennessee Valley Report (TVA) 2017 Greenhouse Gas Inventory Qualitative Statement FY 2017, 2018

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FOIA Request
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Tennessee Valley Authority, 400 West Summit Hill Drive, Knoxville, Tennessee 37902

May 13, 2019

This responds to your request under the Freedom of Information Act (FOIA) 5 U.S.C. § 552 to the Council for Environmental Quality (CEQ) for a copy of the Greenhouse Gas (GHG) Inventory Qualitative Statements for FY 2017 for each agency. Your request was referred to this office for a direct response for TVA's report and was processed under tracking number #5448.

Enclosed is a copy of the report TVA submitted to CEQ for FY 2017.

If you have questions about this response, you may contact me at (865) 632-6945.

Sincerely,

A handwritten signature in blue ink that reads "Denise Smith".

Denise Smith
TVA FOIA Officer

Enclosure

Tennessee Valley Authority
GHG Inventory Qualitative Statement
FY 2017

Prepared by:



January 30, 2018

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The Tennessee Valley Authority (TVA) is pleased to submit its FY 2017 Greenhouse Gas (GHG) Inventory. The point of contact for the TVA GHG Inventory is Chris Azar (423/751-4814).

For the reporting period FY 2008, TVA had a total of 11,584 employees and estimated 10,691 onsite contractors. For the reporting period FY 2017, TVA had a total of 10,092 employees and estimated 13,157 onsite contractors. For the reporting period FY 2008, TVA had a total of 9,066,000 square feet for goal-subject (GS) and 19,100,800 square feet for the goal-excluded (GE) buildings. For the reporting period FY 2017, TVA had a total of 8,572,079 square feet for goal-subject (GS) and 15,760,310 square feet for the goal-excluded (GE) buildings.

The Inventory was developed in accordance with the *Federal GHG Accounting and Reporting Guidance (Revision 1) June 4, 2012*. TVA's power system was specifically excluded from E.O. 13514 and E.O.13693 (TVA's power system GHG emissions were reported to the EPA and was 105,916,379 tons of CO₂ for FY 2008 and 62,142,441 tons of CO₂ for CY 2016).

The GHG inventory includes Scope 1, 2 and 3 emissions for all of TVA, calculated in accordance with the *Guidance* and the *Federal GHG Accounting and Reporting Guidance Technical Support Document (TSD)*. All calculations were based on the Federal Energy Management Program's (FEMP) Greenhouse Gas and Sustainability Data Report Version 8-1 and any exception noted on the FEMP spreadsheets. Data was collected throughout TVA utilizing established databases. Uncertainty in data quality is footnoted in the reporting spreadsheets.

Scope 1 & 2 target FY 2017 emissions have been reduced 36.1% over the FY 2008 baseline inventory. TVA scope 1 & 2 emissions showed a large reduction due to the retirement and de-energizing of two fossil plants. In addition, TVA has been reviewing its building inventory and has improved the accuracy of the inventory. TVA continues to be on track towards meeting its Scope 1 & 2 target.

Scope 3 target FY 2017 emissions have reduced 26.5% over the 2008 baseline inventory. TVA showed progress towards meeting its Scope 3 target through a number of ways, which include reducing business air travel, employee commuting, contracted waste water treatment, and transmission and distribution losses. These efforts resulted in a 2.7% reduction in Scope 3 emissions from FY 2016.

Looking at GHG emission totals, overall, TVA reduced target subject emissions 31.9% from FY 2008 baseline (revised in FY 2012 submission) compared to FY 2016. In addition for CY 2016, TVA's emission of CO₂ from its sources was approximately 62.1 million tons, a 41 percent reduction from 2005 levels. TVA's as-delivered CO₂ emission rates are lower than the current EPA E-GRID national and regional averages.

As recommended by the *Federal Reporting Guidance*, TVA maintains an *Inventory Management Plan (IMP)* which describes the steps taken to develop its inventory and documents the processes used to collect the inventory, including points of contact. As a corporation owned by the U.S. government, TVA strives to transparently balance the *Guidance* with commonly accepted greenhouse gas accounting and reporting practices currently in use within the U.S. electric utility industry. TVA describes the steps taken to develop its inventory, documents the processes used to collect inventory data, as well as points of contact in its *IMP*.

TVA's 2017 *IMP* is provided as an attachment to this document and includes a description of the Agency's current internal verification process, as well as its applicable error identification and correction processes.