



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

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# Supporting Statement for Quarterly Electricity Imports and Exports Report

## **Part B: Collections of Information Employing Statistical Methods**

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*Form EIA-111, Quarterly Electricity Imports and Exports Report*

**OMB No. 1905-0208**

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## B.1. Respondent Universe

Form EIA-111 collects import and export data from a census of licensed importers and exporters of electricity. The data collected on Form EIA-111 provides estimates of the flow of electricity into and out of the United States. EIA collects data from U.S. entities that purchase, sell or exchange electricity, including persons authorized to export electric energy from the United States to foreign countries. These respondents report monthly flows of electric energy received or delivered across the border as a total volume in megawatthours and the cost associated with the transactions. EIA also collects data from U.S. Balancing Authorities that are interconnected with foreign Balancing Authorities. These respondents report actual and implemented interchange. The third group are Presidential Permit holders who construct, operate, maintain, or connect electric power transmission lines that cross the U.S. international border, and export authorization holders. These respondents report events where their Department of Energy Order flow limit terms were exceeded.

## B.2. Statistical Methods

There are no statistical methodologies used with this form.

## B.3. Maximizing Response Rates

To maximize response rates, the form has been designed and the instructions written to be clear and concise.

Non-respondents are contacted by e-mail, telephone, and letter to request their data submission. If no response occurs, additional correspondence is sent to higher level management officials to request the submission of the data. Form EIA-111 is a census survey, and has had a 100% response rate for the past three quarters.

Q1 2018- 100%  
Q4 2017- 100%  
Q3-2017- 100%  
Q2 2017- 99%

If non-response does occur, EIA will know the magnitude of missing data since implemented interchange reported by Balancing Authorities will be greater than aggregated imports and exports of electricity. In that case, the ratio of aggregated transfers filed by Balancing Authorities divided by the aggregated imports and exports filed by entities will be used to adjust the payments for imports or exports.

The reliability of data are subject to two types of possible errors: non-sampling errors and sampling errors. Form EIA-111 does not rely on sampling. Non-sampling errors occur for all surveys and can be attributed to many sources in the collection and processing of data, such as incomplete sampling frame coverage, a difference in interpretations of definitions or questions, mistakes in recording or coding the data from respondents. Response error, or reporting error (the difference between the true value and

the value reported on a survey form), is typically the major component of the total survey error for this survey.

To aid in detecting and minimizing response errors, data validation procedures are used to check current data. Automated edits provide a first level check as the data are submitted. Checks include verifying the current data for consistency with past data, for internal consistency (e.g. totals equal sum of parts), examining orders of magnitude, and cell position. Data elements that fail validation are flagged for manual review and possible editing.

#### **B.4. Test Procedures and Form Consultations**

Form EIA-111 was not independently tested.

#### **B.5. Statistical Consultations**

Form EIA-111 was designed by a collaborative effort of three EIA offices, one with an in-depth knowledge of the electric power transmission systems, one with survey design expertise, and one with automated collection processing and operations expertise. This collaboration resulted in a relatively low burden survey instrument that collects useful data. The U.S. Department of Energy Office of Electricity Delivery and Energy Reliability provided concurrence that the collected data was technically adequate.

For information concerning this request for OMB approval, please contact Tosha Beckford, at 202-287-6597, or [tosha.beckford@eia.gov](mailto:tosha.beckford@eia.gov).