

EIA Electricity Survey Clearance Stakeholders Meeting



December 1, 2015

Washington, DC

U.S. Energy Information Administration

Office of Energy Statistics

Office of Electricity, Uranium and Renewable Statistics



U.S. Energy Information Administration

Independent Statistics & Analysis | www.eia.gov

Overview

- EIA will be proposing changes to its electricity surveys in 2016
- EIA expects these changes to become effective by January 1, 2017
- EIA proposed changes will include additions, deletions and modifications to data it currently collects
- Today's meeting is intended to
 - Brief stakeholders on EIA's draft proposals
 - Solicit comments on EIA's draft proposals
 - Today's meeting will discuss only proposed major changes to the forms

Electricity Surveys to be Cleared

- EIA-411: Annual survey of bulk power system data (collected by NERC)
- EIA-826: Monthly survey of retail sales and other utility and power marketer data
- EIA-860: Annual inventory of electric power generators
- EIA-861: Long-form version of the annual survey of retail sales and other utility and power marketer data
- EIA-861S: Short-form version of the annual survey of retail sales and other utility data
- EIA-923: Monthly/annual survey of power plant operations
- EIA-930: Hourly and daily survey of balancing authority operations

U.S. Office of Management and Budget (OMB) Triennial Survey Clearance Process

- OMB generally clears agency surveys on a 3-year cycle
- EIA Electricity Surveys were last cleared in CY 2014
- Currently scheduled to expire in May 2017
- EIA will institute formal clearance process in CY 2016
- EIA expects to complete survey clearance process in CY 2016 – with changes effective by January 1, 2017

EIA Tentative Clearance Schedule

- Issue 60-day EIA Federal Register Notice (≈ March/April 2016)
- 60-day Public Comment Period (≈ April thru June 2016)
- 30-day OMB Federal Register Notice (≈ late August 2016)
- 30-day OMB Public Comment Period (≈ September 2016)
- OMB Review/Approval Process (≈ September – October 2016)
- EIA posts approved survey instruments (≈ November - December 2016)
- EIA begins new survey cycle (January 2017)

Summary of Proposed Significant Changes to Electric Power Survey Forms (Changes to be effective on or about January 1, 2017)

November 2015

List of Surveys	
EIA-411: Annual survey of bulk power system data; survey data supplied by NERC EIA-826: Monthly survey of retail sales and other utility and power marketer data EIA-860: Annual inventory of electric power generators	EIA-861: Long-form version of the annual survey of retail sales and other utility and power marketer data. EIA-8615: Short-form version of the annual survey of retail sales and other utility data. EIA-923: Monthly and annual survey of power plant operations EIA-930: Hourly and daily survey of balancing authority operations

Num	Survey1	Survey2	General Topic	Summary	Notes
1	826	---	Net metering and distributed generation	Add distributed capacity to the 826 monthly collection	Collection of this data will improve EIA's ability to make monthly estimates of generation from distributed capacity.
2	860	861 and 826	Net metering and distributed generation	Modify the reporting thresholds and other requirements in these surveys to avoid double counting of distributed generating capacity	
3	860	923	Storage	Collect additional information on utility-scale electricity storage (primarily batteries).	EIA is working with Sandia National Laboratory on the selection and definition of data collection elements.
4	860		Capacity	Collect the "Reference Unit Power" value for each nuclear generator as of December 31 of the data collection year.	EIA is requested to provide this information to the International Atomic Energy Agency.
5	861	826	Distributed generation and electricity storage	Collect the capacity of small-scale storage associated with net metered and non-net metered capacity.	We are receiving requests to collect this data.
6	861	---	Net metering and distributed generation	Eliminate dispersed generation from the 861	The amount of capacity is small and the ability of utilities to accurately report this information is unclear.
7	8615	---	Reporting Requirements	About 1100 utilities (out of 3300 utilities in the U.S.) currently report on the short form. These small utilities are currently required to complete the long form every fifth year to provide updated information for the statistical estimation of uncollected data. The proposal is to extend the time for when the long form needs to be completed to seven or ten years.	EIA statisticians are completing a study of this proposal. The work to date indicates that the reporting interval can be extended to seven years and possibly 10 years.
8	923	---	Cooling Water	The survey currently collects 12 months of cooling water operating data once a year (Schedule 8D). The proposed change is to collect the data each month rather than annually.	The change is expected to be burden neutral or reduce burden as the provision of the data will become routine.
9	923	---	Confidentiality	Remove confidentiality restriction for coal and petroleum stocks held at power plants and related facilities.	Stocks data would be released (as is other plant-specific data, such as generation) about seven weeks after the end of the reporting month. It is not clear that stocks data has any competitive value by that time.

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10	923		Fuel Receipts and Costs	Natural gas receipts would no longer be reported by individual contract. Receipts data would be aggregated by pipeline and, for each pipeline, into categories such as firm and interruptible supply. The cost of purchases would be aggregated by the same categories.	The object is to collect more useful information and to reduce the reporting burden.
11	930		Balancing Authority Data	Reduce period for reporting demand on same-day file from 1 hour to 30 minutes	This change would be consistent with the observed reporting capabilities of respondents.
12	930		Confidentiality	Drop limited withholding of small BA data	There is no indication to date that the data being reported on this survey is commercially sensitive.
13	930		Balancing Authority Data	Require Balancing Authorities with very large geographic footprints to report at a sub-BA level.	This would apply to: MISO, SWPP, PJM, CISO, ERCOT
14	930	---	Balancing Authority Data	Report net generation by standard fuel type categories (daily reporting of data for each hour)	Object is to provide current information on the rapidly evolving generation mix.

Electricity Storage Data Issues

- Currently, EIA collects the same design and operational data from energy storage applications as it does from conventional generators, despite the fundamental differences between them.
- The rapid growth in the number and capacity of energy storage applications along with their unique operational characteristics compels us to adjust our surveys accordingly.
- Based on feedback from Sandia National Laboratory, EIA has developed prospective data elements to add to electric surveys.
- EIA will cognitively test these new data elements and adjust the final 2017 survey versions accordingly.

Alternative for Collecting Natural Gas Receipts and Price Data (EIA-923)

	TYPE OF TRANSPORTATION ARRANGEMENT	DATA FOR THE MONTH OF:		JANUARY 2017	
		COMMODITY COST (\$/mmbtu)	VARIABLE TRANSPORTATION COST (\$/mmbtu)	FIXED TRANSPORTATION CHARGES (thousands of dollars)	ALL OTHER FIXED CHARGES (thousands of dollars)
Enterprise Texas Pipeline Co.	FIRM				
	INTERRUPTIBLE				
	HYBRID				
Energy Transfer Partners LP	FIRM				
	INTERRUPTIBLE				
	HYBRID				
PIPELINE C	FIRM				
	INTERRUPTIBLE				
	HYBRID				
TOTAL	FIRM				
	INTERRUPTIBLE				
	HYBRID				

For more information

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