

The Energy Information Administration proposed the following revisions to their electricity survey forms in 2011:

Form EIA-411, "Coordinated Bulk Power Supply Program Report."

- Change form name to "Coordinated Bulk Power Supply & Demand Program Report;" return to collecting projected reliability data on a 10-year basis as opposed to 5 years. Change "Council" to "Regional Entity" and add submission of Sub-regional level breakout of data.
- Return to reporting on capacity and transmission planning for a 10-year horizon, rather than a 5-year horizon.
- Adopt the current NERC 2009 Schedule 3 for summer and winter aggregated demand and supply information. Changes are as follows: Demand category additions include "Demand Response," "Critical Peak-Pricing with Control," and "Load as a Capacity Resource;" supply category additions include "Existing-Certain," "Existing-Other," "Existing-Inoperable," "Future-Planned," "Future-Other," and "Conceptual" categories; break out capacity categories of Wind, Solar, Hydro, and Biomass to cover both expected on-peak and derated values; and expand coverage of types of reserve margin calculations.
- Delete Schedule 4 - Regional Imports and Export detail. (Transaction summaries are added to Schedule 3.)
- For Schedule 5, permit the submission of Computer-Aided Design and/or Computer-Aided Design and Drafting (CAD/CADD) file types.
- Schedule 6 changes include: Part A will now collect the following Existing Transmission Circuit Miles values: AC (kV) - 115, 138, 161, 230, 345, 500, 765; DC (kV) 100-299, 300, 400, 450, 500; Part B will now collect Projected Transmission Additions starting at

100kV and information on the reasons why Projected Transmission Additions are being added.

- Change reporting of selected transmission outage data to a mandatory basis on Schedule 7.
- Streamline Schedule 7 to be consistent with the instructions and definitions in the NERC Transmission Availability Data System (TADS) Data Reporting Instruction Manual and TADS Definitions.

**Form EIA-826, “Monthly Electric Sales and Revenue with State Distributions Report.”**

- Schedule 2. Part B. Sales to Ultimate Customers – Energy-Only Service: Collect the names of the companies that deliver electricity on behalf of power marketers and retail service providers.
- Schedule 3 Part A. Green Pricing: Collect, by State and sector, the number of green pricing customers, green pricing sales and revenue as well as green pricing sales and revenue from Renewable Energy Certificates (REC).
- Schedule 3 Part B. Net Metering: collect, by State and sector, the number of net metering customers, net metering capacity and technology type, as well as energy displaced by net metered generating facilities.
- Schedule 3 Part C. Advanced Metering: Collect, by State and sector, the number of Advanced Meter Reading (AMR) and Advanced Metering Infrastructure (AMI) meters installed, as well as the energy served through AMI meters.

### **Form EIA-860, “Annual Electric Generator Report.”**

- Change the collection of planning horizon from 5 years to 10 years.
- Schedule 2 Power Plant Data: add questions on plant membership in Regional Transmission Organization or Independent System Operator.
- Schedule 3 Generator Information: Make revisions (prime movers and energy sources) to distinguish the reporting of energy storage technologies; make revisions (prime movers and energy sources) to distinguish the reporting of hydrokinetic technologies and related information; add question on number of Buoys or Inverters at applicable generators; add geothermal and concentrated solar power generators to the technologies for which tested heat rate data are required; add the data element, “Annual Average Operating Efficiency,” for solar photovoltaic, wind, and hydroelectric generators to the data collection; and replace the questions on reactive power output (MVAR) with new questions related to reactive power output.
- Schedule 6 Part F. Cooling System Information: Add new codes to capture additional cooling system types, source of cooling water and type of cooling water; add a question to collect the percent of cooling load served by dry cooling components (for hybrid cooling systems); and expand the survey frame for cooling system data collection to include all thermoelectric plants greater than or equal to 100 MW in size.

### **Form EIA-860M, “Monthly Update to the Annual Electric Generator Report.”**

- Schedule 2 (Updates To Proposed New Generators) and Schedule 3 (Updates To Proposed Changes To Existing Generators): Make revisions (prime movers and energy sources) to distinguish the reporting of energy storage technologies; and make revisions

(prime movers and energy sources) to distinguish the reporting of hydrokinetic technologies and related information.

**Form EIA-861, “Annual Electric Power Industry Report.”**

- Schedule 2, Part C. Green Pricing: Add, by State and sector, the green pricing sales and revenue from Renewable Energy Certificates (REC).
- Schedule 2, Part D. Net Metering: By State and sector, add the capacity and technology type for net metering generating facilities.
- Schedule 6, Demand-Side Management Information: Collect Demand-Side Management (DSM) information from all respondents, regardless of size; and expand collection of DSM data to include State and sector level breakdown of costs, energy efficiency, and load management effects.
- Schedule 7, Distributed and Dispersed Generation: Collect the capacity for distributed and dispersed generating technologies by State (replaces the percent for each technology); and add “Photovoltaic (PV)” and “Storage” as choices for reporting distributed and dispersed generation types.

**Form EIA-923, “Power Plant Operations Report.”**

- Schedule 1. Total Plant Efficiency for Combined Heat and Power (CHP) Plants: Add the annual average total CHP efficiency (i.e., the energy output’s percentage of the energy input) from combined heat and power plants only.
- Schedule 2, 3A, 3B, and 4: Fuel data, energy sources: Add two new energy source codes, ANT (Anthracite) and RC (Refined Coal).

- Schedule 3B and 5B. Fuel Consumption and Generation at Prime Mover Level: Add compressed air and fuel cell units to Schedules 3B/5B and collect the MWh for the air compression and fuel input to fuel cells.
- Schedule 4. Fossil Fuel Stocks: Add a section to record the required comment for non-zero adjustment values to stocks. Delete the requirement to record these types of comments at the end of the form.
- Schedule 8D. Cooling System Information, Annual Operations: Add a column to collect amount of water diverted; and expand directions to include definitions of diversion, withdrawal, consumption, and discharge.
- Schedule 8D. Cooling System Information: Revise collection to capture monthly data for water flow rates and temperatures. Flow rates are defined as the average monthly rate for diversion, intake, discharge and consumption over the entire month.
- Schedule 8D. Cooling System Information: Add column to collect hours in service for each cooling system to allow users to convert the average monthly flow rate to an operational flow rate based on hours of operation.
- Schedule 8D. Cooling System Information: Add an option to report at the plant level where data cannot be reported for individual cooling systems.
- Schedule 8D. Cooling System Information: Temperatures are redefined to be collected as 1) maximum monthly temperature at intake and discharge and 2) average monthly temperature at intake and discharge
- Schedule 8D. Cooling System Information: Add two columns to collect whether data for flow rates and temperatures is actually measured or estimated, and by what means.

- Expand respondent pool to include any thermoelectric power plant, including nuclear and combined cycle plants, greater than or equal to 100 MW.