

# Electricity 2008: Proposed Changes to the EIA Electric Power Surveys

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# Electricity 2008 Phased Approach

## Phase I Data Requirements

- Analysis of Key Issues
- Stakeholder Coordination
- Evaluation of Confidentiality Policy
- Federal Register Notice

February 2007

## Phase II Forms Design

- Consolidations
- Revisions
- Pilot Testing
- OMB Clearance

November 2007

## Phase III Collection and Processing

- Data Processing System
- Internet Data Collection

December 2007

## Phase IV Dissemination

- Electric Power Annual
- Electric Power Monthly
- Detailed Spreadsheets
- Databases
- State Electricity Profiles
- Cost and Quality  
June 2008

# Stakeholder Meetings

- National Association of Regulatory Utility Commissioners
- American Council for Energy-Efficient Economy
- American Public Power Association
- Combined Heat and Power Association
- Edison Electric Institute
- Environmental Protection Agency
- Federal Energy Regulatory Commission
- National Association of State Energy Officials
- DOE Office of Electricity Delivery and Energy Reliability
- EIA Office of Integrated Analysis and Forecasting
- EIA Interoffice Issues Group
- North American Electric Reliability Council
- Electricity Consumers Resource Council
- Electric Power Supply Association
- National Mining Association
- National Rural Electric Cooperative Association

# Merged Form

## EIA-423/906/920/767 Proposal

- **Plant level**
  - **Quantity and Quality (heat, sulfur, ash, mercury content) of receipts**
  - **Commodity and Delivered cost**
  - **Transportation Mode**
  - **MSHA Number**
  - **Ending Stocks**
  - **Previous Month's Stocks + Receipts – Consumption +/- Adjustment = Ending Stocks**

# Merged Form EIA-423/906/920/767 Proposal

- **Prime Mover/Boiler Level**
  - Net and gross generation for all-electric plants
  - Gross generation for CHP plants
  - Consumption by fuel type and heat content
  - Boiler level for fossil fueled plants 10 MW or greater
  - Prime mover level for all other plants

# Merged Form

## EIA-423/906/920/767 Proposal

- **Annual Data on Sources and Disposition of Electricity**
  - **Sources**
    - Gross Generation
    - Other Incoming Electricity
  - **Disposition**
    - Station Use
    - Direct Use
    - Wholesale Sales and Revenue
    - Retail Sales
    - Other Outgoing Electricity

# **Merged Form EIA-423/906/920/767 Proposal**

- **Annual Emissions Data: to be paid for by the Office of Fossil Energy**
  - **By Product Disposition**
  - **Financial Information**
  - **Cooling System, Annual Operations**
  - **Flue Gas Desulfurization, Annual Operations**

# Merged Form EIA-860/767 Proposal

- **Move EIA-767 static information to EIA-860**
  - **Plant configuration**
  - **Air emissions standards**
  - **Boiler design parameters**
  - **NO<sub>x</sub> emissions controls**
  - **Cooling system design parameters**
  - **Flue gas particulate collector design parameters**
  - **Stack and flue design parameters**



# Proposals for Form EIA-861

- Incentive-based demand response programs
  - Direct load control programs
  - Interruptible programs
  - Demand bidding/buyback programs
  - Emergency demand response
  - Capacity market programs
  - Ancillary service market programs
- Time-based rate programs
  - Real-time pricing
  - Critical peak pricing

# Proposals for Form EIA-826

- Add names of the ESP's for which distributors deliver electricity

# Proposals for Form EIA-860M

- **No major changes**

# Proposals for Form EIA-411

- **New Methodology to go from EIA-860 total capacity value to the NERC Net Capacity Resources value**
- **To become a mandatory form**

# Existing Confidential Data Elements

- **Fuel cost (EIA-423)**
- **Fuel stocks (EIA-906, EIA-920)**
- **Monthly retail sales, revenue, and number of customers (energy service providers only) (EIA-826)**
- **Latitude and longitude (EIA-767, EIA-860)**
- **Maximum tested heat rate under full load conditions (EIA-860)**
- **Maps and power flow cases (EIA-411)**

# Potential Changes to Confidentiality Policy

- **Remove confidentiality from latitude and longitude**
- **Release data 9 months after year end**
  - **Fuel cost**
  - **Fuel stocks**
  - **Monthly retail sales, revenue, and number of customers (energy service providers) (EIA-826)**
- **Publish data at aggregate level even if it does not conceal individual respondents' data**

# Federal Register Notice

- Issued March 29, 2007
- Comments due May 29, 2007
- Notice and copy of proposed forms located at <http://www.eia.doe.gov/fuelelectric.html>

# Thank you

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