



NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections, see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

Plant Name:	<input type="text"/>	Plant State:	<input type="text"/> (Postal Abbreviation)
Plant ID:	<input type="text"/>	Reporting Period:	<input type="text"/> (MM) <input type="text"/> (YYYY)

SCHEDULE 1. IDENTIFICATION

Survey Contact:

Who is the survey contact? (Contact EIA by email message at EIA-923@eia.gov to correct or update this information.):

First Name:	<input type="text"/>	Telephone:	<input type="text"/>
Last Name:	<input type="text"/>	FAX:	<input type="text"/>
Title:	<input type="text"/>	Email:	<input type="text"/>

Survey Contact's Supervisor

Who is the survey contact's supervisor? (Contact EIA by email message at EIA-923@eia.gov to correct or update this information.):

First Name:	<input type="text"/>	Telephone:	<input type="text"/>
Last Name:	<input type="text"/>	FAX:	<input type="text"/>
Title:	<input type="text"/>	Email:	<input type="text"/>

Company and Plant:

Company and plant for which this form is being completed? (Contact EIA by email message at EIA-923@eia.gov to correct or update this information.):

Company Name:	<input type="text"/>	City:	<input type="text"/>
Plant Name:	<input type="text"/>	State:	<input type="text"/> (Postal Abbreviation)
Plant ID:	<input type="text"/>	Zip Code:	<input type="text"/> (5 Digits)
Plant County:	<input type="text"/>		
Address:	<input type="text"/>		

YES NO

Is this a regulated utility plant? (YES/NO):	<input type="checkbox"/>	<input type="checkbox"/>
Is this a combined heat and power plant? (YES/NO):	<input type="checkbox"/>	<input type="checkbox"/>

For combined heat and power plants:

Enter the total plant efficiency of the combined heat and power plant:

Contacts

For questions about or problems with the online filing system, send an email to the Form EIA-923 mailbox at the first address given below. For questions regarding the data requested on the form, please contact:

- Schedule 1 EIA-923@eia.gov
- Schedule 2 [Rebecca Peterson](mailto:Rebecca.Peterson@eia.gov)
- Schedules 3 and 4 [Ron Hankey](mailto:Ron.Hankey@eia.gov)
- Schedules 6, 7, and 8 [Chris Cassar](mailto:Chris.Cassar@eia.gov)

Plant Name:	
Plant ID:	

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**SCHEDULE 3. PART A. BOILER AND GENERATOR INFORMATION FOR STEAM-ELECTRIC PLANTS
FUEL CONSUMPTION AND GENERATION**

Required Respondents: Plants with a total steam nameplate capacity of 10 megawatts or more report for each month. Respondents with total steam-fired nameplate capacity of less than 10 MW report an annual number (not broken down by month).

Report fuel consumption for each boiler and electric power generation for each generator. Boiler and Generator IDs must match those reported on Form EIA-860.

If no fuel is consumed or electricity generated in a reporting period, enter zero. Do not leave blank.

See instructions.

Fuel Consumption:

Prime Mover Code: Only Steam Turbine (ST) is used on Schedule 3, Part A

Boiler ID and Boiler Status: Boiler ID is pre-populated, or choose from the drop down list of Boiler IDs as reported on Form EIA-860. Report changes in the boiler status using options provided in a dropdown list.

Energy Source: Select energy source code from the drop down list. A detailed list of codes and descriptions is found in Table 8 of the instructions. If OTH, OBS, OBG, OBL or OG is selected, specify the actual energy source in the text box at the bottom of the table.

Quantity Consumed: Report the amount of fuel consumed in the boiler for each energy source. Units are populated automatically. Solid fuels are in tons, liquid in barrels and gases in Mcf.

Average Heat Content: Report average heat content (higher heating value) for fuel as burned. Report in MMBtu per short ton for solid fuels; in MMBtu per barrel for liquids; and MMBtu per thousand cubic feet (Mcf) for gases rounded to the nearest 0.001 MMBtu per unit.

Sulfur Content: Report for coal, petroleum coke, and residual oil as a percentage by weight to the nearest 0.01 percent.

Ash Content: Report for Coal and Petroleum Coke the percentage of ash by weight to the nearest 0.1 percent.

Generation:

Generator ID and Generator Status: Generator ID is pre-populated, or choose from the drop down list of Generator IDs as reported on Form EIA-860. Report changes in the generator status using options provided in a dropdown list.

Gross Generation: Enter the total amount of electric energy produced by generating units and measured at the generating terminal, in megawatthours rounded to the nearest whole number.

Net Generation: Net generation is the gross generation minus the parasitic station load, i.e. station use, in megawatthours.

Fuel Consumption Table									Generation Table			
Prime Mover Code	Boiler ID	Boiler Status	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)	Sulfur Content	Ash Content	Generator ID	Generator Status	Gross Generation (MWh)	Net Generation (MWh)
ST												
Specify energy source for OTH, OBS, OBL, OBG and OG:												



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POWER PLANT
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OMB No. 1905-0129
Approval Expires: 05/31/2017
Burden Hours: 2.3

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Plant ID:

Plant State:	<i>(Postal Abbreviation)</i>	
Reporting Period:	<i>(MM)</i>	<i>(YYYY)</i>

**SCHEDULE 3. PART C. FUEL AND GENERATOR INFORMATION FOR
COMBINED-CYCLE PLANTS**

Required Respondents: Plants with combined cycle units.

See instructions.

Fuel Consumption

Prime Mover: Report for single-shaft combined cycle (CS), combustion turbines (CT) and steam turbines (CA) in combined cycle configurations.

Generator or HRSG ID and Status: IDs are prepopulated, or choose from the drop down list from the IDs provided on the Form EIA-860. Contact EIA if an ID needs to be added.

Energy Source: Select energy source code from the drop down list. A detailed list of codes and descriptions is found in Table 8 of the instructions. For heat recovery steam generators (HRSG) that do NOT utilize supplemental firing, use energy source code WH and leave quantity consumed blank. If OTH, OBS, OBG, OBL or OG is selected, specify the actual energy source in the text box at the bottom of the table.

Fuel Consumption: Report fuel consumed in each combustion turbine and each heat recovery steam generator (HRSG) (if supplemental firing is utilized). If the HRSG does not use supplemental firing, report the energy source as WH and leave the consumption blank.

Quantity Consumed: Report fuel quantities for each HRSG and each combustion turbine. IGCC units report the synthesis gas consumed in the combustion turbine and see below for fuel consumed in the gasifier.

Units: Report solids in tons, liquids in barrels and gases in Mcf.

Average Heat Content: Report average heat content (higher heating value) for fuel as burned. Report in MMBtu per short ton for solid fuels; in MMBtu per barrel for liquids; and MMBtu per thousand cubic feet (Mcf) for gases rounded to the nearest 0.001 MMBtu per unit.

Generation

Prime Mover: See above.

Generator ID: Generator IDs are prepopulated and must match the ID provided on the Form EIA-860.

Gross Generation: Enter the total amount of electric energy produced by generating units and measured at the generating terminal, in megawatthours rounded to the nearest whole number.

Net Generation: Net generation is the gross generation minus the parasitic station load, i.e. station use, in megawatthours.

Fuel Consumption							Generation			
Prime Mover Code	HRSG or Generator ID	Status	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)	Prime Mover Code	Generator ID	Gross Generation (MWh)	Net Generation (MWh)
CS							CS			
CT							CT			
CA							CA			
Specify energy source for OTH, OBS, OBL, OBG and OG:										

SCHEDULE 3. PART C. FUEL AND GENERATOR INFORMATION FOR
COMBINED-CYCLE PLANTS

IGCC PLANTS GASIFIER FUEL CONSUMPTION

Required Respondents: IGCC Plants.

Gasifier ID: Report a unique identifier for the gasifier(s). Note gasifier IDs are not required on the Form EIA-860. Once reported, subsequent years will have the Gasifier ID prepopulated.

Energy Source: Select the energy source code for the fuel input to the gasifier unit — coal or petroleum coke.

Quantity Consumed: Enter the quantity of fuel consumed.

Units: Report solid fuel in short tons.

Average Heat Content: Report average heat content (higher heating value) for fuel as burned. Report in MMBtu per short ton for solid fuels.

Sulfur Content: Enter the sulfur content of the fuel in terms of percent sulfur by weight, to the nearest 0.01 percent.

Ash Content: Enter the ash content of the fuel in terms of percent ash by weight, to the nearest 0.1 percent.

IGCC PLANTS						
Fuel Consumption Data for Gasifier Unit(s)						
Gasifier ID	Energy Source	Quantity Consumed	Units	Average Heat Content (High Heating Value)	Sulfur Content	Ash Content

Plant Name:
Plant ID:

Plant State: (Postal Abbreviation)
Reporting Period: (MM) (YYYY)

**SCHEDULE 4. PART A. FOSSIL FUEL STOCKS AT THE END OF THE REPORTING PERIOD
FOR COAL, OIL, AND NATURAL GAS**

Required Respondents: Plants with inventories of coal, petroleum coke, residual and distillate oils and central fuel distribution terminals.

Do not report stocks for waste coal, natural gas, waste oil, or biomass.

Energy Source and Units: Select energy source code from the drop down list. A detailed list of codes and descriptions is found in Table 8 of the instructions. Report solids in short tons and liquids in barrels.

End of Prior Year/Month Stocks, Receipts and Consumption are pre-populated from previously reported data on current Schedules 2 and 3 and prior reporting period Schedule 4A. If required, please complete receipts on Schedule 2 and Consumption on Schedule 3A to 3C prior to completing Schedule 4A. For plants not required to complete Schedule 2, these data fields will be blank and are not required to be completed.

End of Current Month/Year Stocks: Report the tons or barrels of fuel on site at the end of the reporting period. Do not include fuels in transit. Do not leave blank. Enter zero if appropriate.

Adjustments to Stocks: Report fuel not accounted for by consumption on Schedule 3A to 3C. Adjustments to stocks include recalibration of stockpiles, transfers to and from central fuel storage terminals, sales or transfers to other entities or plants or onsite use for purposes other than electricity generation. The adjustment should create a zero fuel balance for plants required to complete Schedule 2, fuel receipts. If not required to complete Schedule 2, fuel receipts, the balance is not applicable. Neither is the Balance applicable to Natural Gas, which is not required on Schedule 4A. Adjustments to Stocks may be negative or positive. All adjustments must have a corresponding comment entered at the bottom of the table.

Fuel Balance: The balance is applicable only to coal and oil stocks where Schedule 2, Fuel Purchases, is also reported. The balance for coal and oil stocks must be zero. If needed, enter an adjustment and comment to bring the balance to zero.

Balance is calculated as follows:

Balance = End of Current Month/Year Stocks - [Prior Month/Year Stocks + Receipts - Consumption + Adjustments to Stocks]

Energy Source	Units	End of Prior Month/Year Stocks	Receipts	Consumption	End of Current Month/Year Stocks	Adjustments to Stocks	Fuel Balance

Energy Source	Comments for Adjustments

Schedule 5 is reserved for future use.

Plant Name:
Plant ID:

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Reporting Period: (MM) (YYYY)

SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

Required Respondents: Non-utility plants (i.e., unregulated plants). Report calendar year data. Report all values in megawatthours (MWh).

See Instructions.

Source of Electricity:

(1) Gross Generation: Report the Total Gross Generation from all prime movers at the plant. Ensure that Total Gross Generation equals the sum of the Gross Generation reported each month on Schedules 3A to 3D.

(2) Other Incoming Electricity: Report all incoming electricity to the facility from purchases, transfers, exchanges, or other arrangements.

(3) Total Sources: The sum of gross generation and other incoming electricity. Total Source must equal Total Disposition.

Disposition of Electricity:

(4) Station Use: Station Use is electricity that is used to operate an electric generating plant (e.g., parasitic loads form auxiliary equipment), regardless of whether the electricity is produced at the plant, or comes from another source).

(5) Direct Use (Industrial and Commercial Sector Plants, both CHP and non-CHP): Report the amount of electricity consumed onsite for processes, such as manufacturing, district heating/cooling, hospital services and campus services, and uses other than power plant station use

(6) Total Facility Use: The sum of Station Use and Direct Use.

(7) Retail Sales to Ultimate Customers: Report the amount of electricity sold directly to an end-use customer (i.e. energy consumed by the customer, onsite, and is not resold to other customers). A positive entry requires corresponding revenue data on Schedule 7B.

(8) Sales for Resale: Report the amount of electricity sold for resale (wholesale sales). A positive entry requires corresponding revenue data on Schedule 7A.

(9) Provided under Tolling Agreements: Report the amount of electricity provided under a tolling agreement.

(10) Other Outgoing Electricity: Report all other outgoing electricity from the facility, such as transfers and exchanges.

(11) Total Disposition: The sum of disposition items. Ensure that Total Disposition equals Total Sources.

Types of Other Incoming Electricity: If a positive value is entered in (2), list all types of incoming electricity included in item (2). Types of Other Incoming Electricity may include purchases, tolling agreements, transfers, exchanges, or other arrangements.

Types of Other Outgoing Electricity: If a positive value is entered in Item (10), list all types of outgoing electricity included in Item (10), such as transfers, exchanges, or other types.

Source of Electricity		Disposition of Electricity	
(1) Gross Generation (Annual) (MWh)	<input type="text"/>	(4) Station Use (MWh)	<input type="text"/>
(2) Other Incoming Electricity (MWh)	<input type="text"/>	(5) Direct Use (Industrial and Commercial Sector Plants, both CHP and non-CHP) (MWh)	<input type="text"/>
		(6) Total Facility Use (Station Use + Direct Use) (MWh)	0
		(7) Retail Sales to Ultimate Customers (MWh)	<input type="text"/>
		(8) Sales for Resale (MWh)	<input type="text"/>
		(9) Provided under Tolling Agreements (MWh)	<input type="text"/>
		(10) Other Outgoing Electricity (MWh)	<input type="text"/>
(3) Total Sources	0	= (11) Total Disposition	0
Total Sources must equal Total Disposition: Item (3) = Item (11)			

Types of Other Incoming Electricity	Types of Other Outgoing Electricity
List the types of incoming electricity included in (2) Other Incoming Electricity.	List the types of outgoing electricity included in item (10) Other Outgoing Electricity.
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>



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Plant ID:	<input type="text"/>

Plant State:	<input type="text" value="(Postal Abbreviation)"/>
Reporting Period:	<input type="text" value="(MM)"/> <input type="text" value="(YYYY)"/>

SCHEDULE 7A. ANNUAL REVENUE FROM SALES FOR RESALE

Required Respondents: Nonutility (i.e. unregulated) plants that report sales for resale on Schedule 6, Item 8.

Sales for Resale are energy supplied to electric utilities, cooperatives, municipalities, federal and state electric agencies, power marketers, or other entities, for resale to end-use consumers.

Report in thousand dollars. For example \$1,987,234 should be entered as 1,987.

Annual Revenue from Sales for Resale (\$ 000's):



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SCHEDULE 7. PART B. ANNUAL RETAIL SALES, REVENUES AND NUMBER OF CUSTOMERS BY STATE

Required Respondents: Nonutilities (i.e., unregulated) plants that report a positive value on Schedule 6, Item 7, Retail Sales. Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).

Annual Retail Sales, Revenue, and Number of Customers:

State: Enter the postal code for the each state where the retail customers are located.

Retail sales: Electric power sold directly to end-use customers (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).

Revenue (\$000's): Enter in thousand dollars the associated revenue for the retail sales above.

Number of Customers: Enter the number of customers for the above retail sales.

State: <input type="text"/> (Postal Abbreviation)					
Item	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (MWh)					
Revenue (\$ 000's)					
Number of Customers					

State: <input type="text"/> (Postal Abbreviation)					
Item	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (Mwh)					
Revenue (\$ 000's)					
Number of Customers					



Independent Statistics & Analysis

U.S. Energy Information Administration

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SCHEDULE 8. PART B. FINANCIAL INFORMATION RELATED TO COMBUSTION BY-PRODUCTS

Required Respondents: Thermoelectric power plants with 100 MW or more steam electric capacity and produce combustion by-products.

See instructions. Report in thousand dollars. For example \$2,876,213.00 should be reported as 2876. O&M Expenditures and Revenue from sales should have correspondence with the by-products reported on Schedule 8. PART A.

O&M Expenditures: Report the calendar year O&M Expenditures for each category of by-product.

Capital Expenditures: Report the capital expenditures for air pollution, water pollution, solid waste and other pollution abatements during the calendar year.

By-Product Sales: Report the revenue from sales of combustion by-products during the calendar year.

Operation and Maintenance (O&M) Expenditures During Year (\$ 000's)						
O&M Expenditure Type	Fly Ash	Bottom Ash	Flue Gas Desulfurization	Water Pollution Abatement	Other Pollution Abatement	Total
	(1)	(2)	(3)	(4)	(5)	(6)
Collection						
Disposal						
Other						

Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (\$ 000's)				
Capital Expenditure Type	Air Pollution Abatement	Water Pollution Abatement	Solid/Contained Waste	Other Pollution Abatement
	(7)	(8)	(9)	(10)
Amount				

By-Product Sales Revenue During Year (\$ 000's)						
By-Product Sales Revenue	Fly Ash	Bottom Ash	Fly and Bottom Ash Sold Intermingled	Flue Gas Desulfurization By-Product	Other By-Product Revenue	Total
	(11)	(12)	(13)	(14)	(15)	(16)
Amount						

Plant Name:
Plant ID:

Plant State: (Postal Abbreviation)
Reporting Period: (MM) (YYYY)

SCHEDULE 8. PART C. AIR EMISSIONS CONTROL INFORMATION

Required Respondents: Thermoelectric power plants with at least 10 MW nameplate steam electric generating capacity, including combined cycle plants.

See instructions. Report operational data for emissions of sulfur dioxide (SO₂), nitrogen oxides (NO_x), particulates, mercury, and acid gases.

Environmental Equipment and/or Technology Type

Equipment IDs (FGD, FGP or Boiler ID): Equipment IDs must match the ID as reported on Schedule 6, Form EIA-860, "Annual Electric Generator Report." IDs are prepopulated. If a revision is needed, contact EIA.

Equipment or Technology Type: Enter the code for the type of emissions control equipment or technology. The equipment/technology type is prepopulated or can be chosen from a drop down list. Report NO_x control technologies with the associated boiler IDs.

Equipment Status: Enter the status from the drop down list.

Hours in Service: Enter the hours operated during the calendar year for each equipment or technology used for air emission control.

Nitrogen Oxide Control

Annual NO_x Emissions Rate: Enter the average annual rate of nitrogen oxide emissions for the technology or equipment in pounds per million Btu.

Seasonal NO_x Emissions Rate (MAY to SEP): Enter the average rate of nitrogen oxide emissions for the technology or equipment in pounds per million Btu during the ozone season (May through September).

Particulate Matter Control

Typical Particulate Matter Emissions Rate: Enter the average rate for particulate matter emissions associated with this equipment type in pounds per million Btu.

Particulate Removal Efficiency Rate at AOF: See instructions for Annual Operations Factor (AOF). Enter the removal efficiency for particulate matter associated with this equipment type as a percentage by weight to the nearest 0.1 percent.

Tested Efficiency Particulate Removal and Test Date: Enter the tested efficiency rate for this equipment at 100% load as a percentage by weight to the nearest 0.1 percent and the latest test date (MMYYYY).

Sulfur Dioxide (SO₂) Control

Sulfur Dioxide Removal Efficiency Rate at AOF: See instructions for Annual Operations Factor (AOF). Enter the removal efficiency for sulfur dioxide associated with this equipment type as a percentage by weight to the nearest 0.1 percent.

Sulfur Dioxide Removal Tested Efficiency and Test Date: Enter the tested efficiency rate for this equipment at 100% load as a percentage by weight to the nearest 0.1 percent and the latest test date (MMYYYY).

Quantity of FGD Sorbent Used: Enter the quantity of sorbent used for sulfur dioxide control in this equipment in thousand tons rounded to the nearest 0.1 thousand.

FGD Unit Electrical Energy Consumption: For FGD units (scrubbers) enter the amount of electricity consumed by the unit during the calendar year in megawatthours (MWh).

Mercury Removal Efficiency: Enter the efficiency for removal of mercury by this equipment as a percentage by weight to the nearest 0.1 percent.

HCl Removal Efficiency: Enter the efficiency for removal of Hydrogen Chloride or other acid gases by this equipment as a percentage by weight to the nearest 0.1 percent.

FGD Operation and Maintenance Expenditures

FGD ID: Enter the ID from the table above for each scrubber utilized for sulfur dioxide control.

O&M Expenditures, excluding electricity: Enter the expenditures to operate the FGD unit during the calendar year in thousand dollars. For example, \$234,872.00 should be entered as 235.

Annual Operations

Environmental Equipment and/or Technology Type				Nitrogen Oxide (NOx) Control		Particulate Matter Control				Sulfur Dioxide(SO ₂) Control				Mercury Control	Acid Gas Control	
Equipment IDs (FGD, FGP, or Boiler ID)	Equipment Type	Equipment Status	Hours in Service	Annual NOx Emissions Rate	Seasonal NOx Emissions Rate (MAY to SEP)	Typical Particulate Matter Emissions Rate (Annual Average)	Particulate Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date	Sulfur Dioxide Removal Efficiency Rate at AOF	Sulfur Dioxide Removal Tested Efficiency (at 100% Load)	Test Date	Quantity of FGD Sorbent Used	FGD Unit Electrical Energy Consumption	Mercury Removal Efficiency	HCl Removal Efficiency
				(lbs/MMBtu)		(lbs/MMBtu)	(nearest 0.1% by weight)		(MMYYYY)	(nearest 0.1% by weight)		(MMYYYY)	(nearest 0.1 thousand tons)	(MWh)	(nearest 0.1% by weight)	

FGD Operation and Maintenance Expenditures During Year, Excluding Electricity (Thousand Dollars)

FGD ID	Feed Materials and Chemicals	Labor and Supervision	Waste Disposal	Maintenance, Materials and All Other Costs	Total

