



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:		Plant State:	(Postal Abbreviation)
Plant ID:		Reporting Period:	(MM) (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:		Telephone:	
Last Name:		FAX:	
Title:		Email:	

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:		Telephone:	
Last Name:		FAX:	
Title:		Email:	

Company and Plant:

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

Company Name:		City:	
Plant Name:		State:	(Postal Abbreviation)
Plant ID:		Zip Code:	(5 Digits)
Plant County:			
Address:			

	YES NO
Is this plant regulated? (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:

Form Preparer:

— Enter the preparer address information that this form should be mailed to, if it is different from the entity's principal business office):

Preparer's:

Legal Name?		City:	
Current Address:		State:	(Postal Abbreviation)
		Zip Code:	(5 Digits)

Contacts

For questions related to E-filing: EIASurveyHelpCenter@eia.gov, 202-586-9595

For questions about the data requested on this form, contact one of the survey managers below.

- Schedules 1 & 4: Chris Cassar, Christopher.Cassar@eia.gov
- Schedule 2: Rebecca Peterson, Rebecca.Peterson@eia.gov
- Schedules 3 & 5: Ron Hankey, Ronald.Hankey@eia.gov
- Schedules 6, 7, & 8: Orhan Yildiz, Orhan.Yildiz@eia.gov

Plant Name:	<input type="text"/>
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 3. PART A. BOILER AND GENERATOR INFORMATION FOR STEAM-ELECTRIC ORGANIC-FUELED PLANTS
 FUEL CONSUMPTION AND GENERATION**

Annual respondents with generator nameplate capacity of 10MW or above, report an individual Schedule 3, Part A for each month in the reporting year.

Enter the month for which you are reporting:

If you have plants with steam turbine capacity that also burn organic fuels, complete an individual Schedule 3, Part A for each steam-electric organic fueled unit.

Report fuel consumption for each boiler and electric power generation for each generator, in groups of associated boilers and generators at this plant (for plants with generator nameplate capacity is 10MW or above).

- Leave a blank line between groups of associated boilers/generators
- If no fuel is consumed or electricity generated in a reporting period, enter zero. Do not leave blank.

Fuel Consumption:

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

Boiler ID and Boiler Status: Boiler ID reported in EIA-923 must match the boiler ID reported on the Form EIA-860. Report changes in the boiler status using options provided in a pull down menu.

Energy Source: Select correct energy source code from drop down list.

- List coal by rank - e.g. Bituminous, Subbituminous, Lignite, or Waste Coal
- List blended coal products as CBL if they cannot be split by rank. If CBL is entered, provide a footnote characterizing the average percent of each coal type in the blend on Schedule 9.
- For energy source codes OTH, OBS, OBG, OBL and OG, specify the fuel in the area at the bottom of the page.

Quantity Consumed and Fuel Consumption Units:

- Report the amount of fuel consumed for electric power generation. Units will be filled automatically.
- At combined heat and power stations, report the amount of fuel consumed for electric generation and useful thermal output.
- Report in MMBtu per short ton for solid fuels; in MMBtu per barrel for liquids; in MMBtu per thousand cubic ft. for gas

Average Heat Content: Report actual average heat content (higher heating value) for fuel as burned:

- Round average heat content to the nearest 0.001 MMBtu per unit

Sulfur Content: Report for all coal types, petroleum coke, and residual oil:

- Report as percent sulfur by weight, rounded to the nearest .01 percent.
- Refer to Table 1 in the instructions document for approximate ranges

Ash Content: Report for Coal and Petroleum Coke, only:

- Report as percent ash by weight rounded to the nearest 0.1 percent
- Refer to Table 1 in the instructions document for approximate ranges

Generation:

Generator ID and Generator Status:

- The majority of Generator IDs are pre-populated and grouped with the associated boilers on the online forms. Report changes in the generator status using options provided in a pull down menu.
- For a Generator ID that is not pre-populated on the online form, choose the ID from the drop down list of Generator IDs that were reported for your plant on the Form EIA-860
- If the generator ID is not on the list, contact EIA to have the ID added to your form to match those Generator IDs 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 MWh

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

Plant Name:
Plant ID:

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

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

Fuel Consumption and Generation

Report fuels consumed and the associated electric power generation for the following prime movers:

- Single-shaft combustion turbine plants (CS).
- Combined-cycle combustion and steam turbine plants (CA/CT), including integrated gas combined cycle (IGCC) plants.

If you are an **annual combined-cycle combustion and steam turbine(CT/CA) plant with a steam turbine generator nameplate capacity of 10MW or above**, report an individual Schedule 3, Part D for each month in the reporting year.

Enter the month for which you are reporting:

Complete an individual Schedule 3, Part D for each combined-cycle unit:

- Report combined-cycle units in groups of associated combustion turbines, Heat Recovery Steam Generators (HRSGs) and steam turbines.
- Report associated Combined Cycle - Turbine Part (CT) and Combined Cycle - Steam Part (CA) units separately, leaving a space between each associated group.

Fuel Consumption:

- Report fuel consumed in EACH HRSG and in EACH combustion turbine-generator ID combination.
- Report supplemental firing fuels consumed in the HRSG, or if no fuel is consumed, report WH and leave the quantity blank.
- If multiple fuels are consumed in the combustion turbine or HRSG, report consumption for each fuel type; however, report generation as one value for the unit.
- If no fuel is consumed in a reporting period, enter zero. Do not leave blank, except for waste heat (WH).

Energy Source: Use the fuel codes in the Look Up List Worksheet. For energy source codes OTH, OBS, OBG, OBL and OG, specify the fuel in the area at the bottom of the first table.

Quantity Consumed:

- For each combustion turbine or HRSG, report the amount of fuel consumed for electric power generation and, at combined heat and power stations, for both electric power generation and useful thermal output.
- Integrated gasification combined cycle units (IGCC) should report the synthesis gas consumed.
- Non-supplementary fired steam turbines should report waste heat (WH) as the energy source.
- The quantity for waste heat should be left blank.

Boiler ID: The EIA HRSG Boiler ID is pre-populated on the online forms.

Units:

- Solids: Tons
- Liquids: Barrels (one barrel = 42 U.S. gallons)
- Gases: Thousands of cubic feet (Mcf)

Average Heat Content (Higher Heating Value):

- Report actual average heat content for fuel as burned.
- Report in MMBtu per short ton for solid fuels; in MMBtu per barrel for liquids; in MMBtu per thousand cubic ft. for gas.
- Round average heat content to the nearest 0.001 MMBtu per unit.

Generation:

- Report generation for EACH combustion turbine and EACH steam turbine.

Generator ID: The Generator ID must match the ID provided on the Form EIA-860 (and is pre-populated on the online forms).

Gross Generation: Enter the total amount of electric energy produced by generating units and measured at the generating terminal, in MWh.

Net Generation: Enter the gross generation minus the parasitic station load (i.e., station use), in MWh.

Prime Mover CS -- Fuel Consumption and Generation Table									
EIA USE ONLY (Group code)	Prime Mover Code	Generator ID	Generator Status	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)	Gross Generation (MWh)	Net Generation (MWh)
A	B	C	D	E	F	G	H	I	J
1	CS								
Specify other fuel: (for Column E)									

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

Prime Mover CT -- Fuel Consumption and Generation Table									
EIA USE ONLY (Group code)	Prime Mover Code	Generator ID	Generator Status	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)	Gross Generation (MWh)	Net Generation (MWh)
A	B	C	D	E	F	G	H	I	J
1	CT								
2	CT								
Specify other fuel: (for Column E)									

Prime Mover CA -- Fuel Consumption Table							
EIA USE ONLY (Group code)	Prime Mover Code	Boiler (HRSG) ID	Boiler Status	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)
A	B	C	D	E	F	G	H
1	CA						
2	CA						
Specify other fuel (for Column E) :							

Prime Mover CA -- Generation Table				
EIA USE ONLY (Group code)	Generator ID	Generator Status	Gross Generation (MWh)	Net Generation (MWh)
A	B	C	D	E
1				
2				

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

IGCC PLANTS ONLY

Report total fuel consumption for gasifier units at IGCC plants in the table at bottom:

Column A: Gasifier ID. Enter a unique alphanumeric identifier (six or less characters)

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

Column C: Quantity Consumed: Enter the quantity of fuel consumed.

Column D: Units: Report solid fuel in short tons.

Column E: Average Heat Content: Report actual average heat content (higher heating value) for fuel as consumed (Btu).

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

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

IGCC PLANTS						
Total Fuel Consumption Data for Gasifier Unit(s)						
Gasifier ID	Energy Source	Quantity Consumed	Units	Average Heat Content (High Heating Value)	Sulfur Content	Ash Content
A	B	C	D	E	F	G



Independent Statistics & Analysis

U.S. Energy Information Administration

FORM EIA-923
POWER PLANT
OPERATIONS REPORT

OMB No. 1905-0129
Approval Expires: xx/xx/xxxx
Burden Hours: 2.3

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 AND DATA BALANCE FOR COAL, OIL, AND NATURAL GAS

Report stocks for coal, residual oil (No. 5 and No. 6 fuel oils), Distillate-type oils (No. 2 oil, jet fuel, and kerosene), and petroleum coke.

- Central fuel terminals are required to fill both Schedules 4A and 4B.

Include back-up fuels, start-up fuels, and flame-stabilization fuels.

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

Columns A and B: Energy Source and Units: Apply the following units of measure for each fuel stock reported:

- Coal: Short Tons
Residual Oil: Barrels
Distillate-Type Oils: Barrels
Petroleum Coke: Short Tons

Columns C, D and E:

- These columns contain data from Schedules 2 and 3, and the previous month (or year) report, respectively.
These data are pre-populated on the online forms.

Column F: Ending Month/Year Stocks:

- Enter zero if the plant has no stocks. Do not leave blank.
Stocks held off-site that cannot be assigned to an individual plant are reported as stocks held at central fuel storage site(s).
Report each central fuel storage site separately.
Identify the new storage sites for this schedule on Schedule 9: Comments.

Column G: Adjustments to Stocks:

- Enter adjustments to stocks when the calculated fuel balance is not zero.
These adjustments may be either positive, negative (having a negative sign), or zero.
Explain any non-zero adjustments in the "Comments for Adjustments" Section at the bottom of the table below.

Column H: Fuel Balance:

- For coal and oil, calculate the fuel balance as the difference between consumed, received and stocked fuel and the reported ending stocks.
For natural gas, calculate the fuel balance as the difference between consumed and received natural gas.
If the fuel balance does not equal zero, enter an adjustment in Column G to balance the fuel use.
Explain any Column G adjustments in the "Comments for Adjustments" Section at the bottom of the table below.

Table with 8 columns: Energy Source, Units, End of Prior Month/Year Stocks, Receipts, Consumption, End of Current Month/Year Stocks, Adjustments to Stocks, Fuel Balance. Headers A-H are also present.

Table with 2 columns: Energy Source, Comments for Adjustments.

Schedule 5 is reserved for future use.

Plant Name:
Plant ID:

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

Schedule 6 is completed by non-utility plants (i.e., unregulated plants).

Source of Electricity:

- (1) Gross Generation (Annual):
 - Report the Total Gross Generation from all prime movers at the plant.
 - For monthly respondents, 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, tolling agreements, transfers, exchanges, or other arrangements, in MWh.
 - 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.
- (3) Total Source: 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, which is the electricity used in the operation and maintenance of the facility. (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 generated by the plant and consumed onsite for processes, such as manufacturing, district heating/cooling, hospital services and campus services, and uses other than power plant station use
- (6) 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).
 - If a positive value is entered, also complete Schedule 7B.
- (7) Sales for Resale:
 - Report the amount of electricity sold for resale (wholesale sales), in MWh.
 - If a positive value is entered, also complete Schedule 7A.
- (8) Provided under Tolling Agreements: Report the amount of electricity provided under a tolling agreement.
- (9) Other Outgoing Electricity: Report all other outgoing electricity from the facility, such as transfers and exchanges, in MWh.
 - 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.
- (10) Total Disposition: Ensure that Total Disposition equals Total Sources.

Source of Electricity		Disposition of Electricity	
(1) Gross Generation (Annual) (MWh)		(4) Station Use (MWh)	
(2) Other Incoming Electricity (MWh)		(5) Direct Use (Industrial and Commercial Sector Plants, both CHP and non-CHP) (MWh)	
		(6) Total Facility Use (Total Sources + Station Use) (MWh)	0
		(7) Retail Sales to Ultimate Customers (MWh)	
		(8) Sales for Resale (MWh)	
		(9) Provided under Tolling Agreements (MWh)	
		(10) Other Outgoing Electricity (MWh)	
(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 all of the types of incoming electricity included in (2) Other Incoming Electricity.	List all of the types of outgoing electricity included in item (10) Other Outgoing Electricity.
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>



Independent Statistics & Analysis
U.S. Energy Information
Administration

**FORM EIA-923
POWER PLANT
OPERATIONS REPORT**

OMB No. 1905-0129
Approval Expires: xx/xx/xxxx
Burden Hours: 2.3

Plant Name:	<input type="text"/>
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 7. ANNUAL REVENUE FROM SALES FOR RESALE

SCHEDULE 7. PART A. ANNUAL REVENUE FROM SALES FOR RESALE

Complete Schedule 7, Part A, only if a positive value was entered on Schedule 6, Item (8): "Sales for Resale."

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

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

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

Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).

Complete an individual Schedule 7, Part B, for each state where customers are located, only if a positive value was entered on Schedule 6, Item (7), "Retail Sales to Ultimate Customers."

Annual Retail Sales, Revenue, and Number of Customers:

- Retail sales are sold directly to an end-use customer (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).
- Enter annual retail sales, revenue, and number of customers for each state where customer(s) are located.
 - Report Annual Retail Sales in megawatthours (MWh), by sector.
 - Report Annual Revenue in thousand dollars, by sector.
 - Report Number of Customers, by sector.

State: (Postal Abbreviation)

Item	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (MWh)					
Revenue (\$ 000's)					
Number of Customers					

State: (Postal Abbreviation)

Item	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (Mwh)					
Revenue (\$ 000's)					
Number of Customers					



Plant Name:
Plant ID:

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

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

Complete an individual Schedule 8, Part B, annually, for each organically fueled thermoelectric power plant with a total steam turbine capacity greater than or equal to 100 megawatts.

- Data reported in Schedule 8, Part B must correspond to the combustion by-product data reported on Schedule 8, Part A.
- If actual data are not available, provide an estimated value.
- Report all values in thousand dollars, to the nearest thousand.

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

Complete an individual Schedule 8, Part C, annually, for each thermoelectric or combined cycle power plant with a total steam turbine capacity greater than or equal to 10 megawatts. Report operational data for emissions of sulfur dioxide (SO₂), nitrogen oxides (NO_x), particulates, mercury, and acid gases.

Environmental Equipment and/or Technology Type:

Column A: Boiler, Flue Gas Desulfurization (FGD), and Flue Gas Particulate (FGP) unit IDs must match the ID as reported on Form EIA-860, "Annual Electric Generator Report."

Column B: Technology Type: See the forms instructions document to obtain the technology type codes associated with each unit type.

Columns E through Q: See the forms instructions document for detailed guidance in completing the questionnaire items.

Does this plant use Nitrogen Oxide controls? (Yes/No): If **YES** complete Columns A-D and Columns E-F, for each NO_x control unit.

Does this plant use Particulate Matter controls? (Yes/No): If **YES** complete Columns A-D and Columns G-J, for each Particulate Matter control unit.

Does this plant use Sulfur Dioxide controls? (Yes/No): If **YES** complete Columns A-D and Columns K-O, for each SO₂ control unit.

Does this plant use Mercury Controls? (Yes/No): If **YES** complete columns A-D and Column P, for each Mercury control unit.

Does this plant use Acid Gas (HCl) Controls? (Yes/No): If **YES** complete Columns A-D and Column Q, for each Acid Gas control unit.

Annual Operations																
Environmental Equipment and/or Technology Type				Nitrogen Oxide (NO _x) 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	Actual NO _x Emissions Rate (Annual)	Actual NO _x 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
A	B	C	D	(nearest lbs/MMBtu)	(nearest lbs/MMBtu)	(nearest 0.1% by weight)	(MMYY)	(nearest 0.1% by weight)	(MMYY)	(nearest 0.1 thousand tons)	(MWh)	(nearest 0.1% by weight)	P	Q		

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

Range Name = ESSCH2

Schedule 2 Energy Source

Code	Description
BIT	Bituminous Coal
ANT	Anthracite Coal
LIG	Lignite Coal
SUB	Subbituminous Coal
RC	Refined Coal
WC	Waste Coal
DFO	Distillate Fuel Oil
RFO	Residual Fuel Oil
NG	Natural Gas
PC	Petroleum Coke