U.S. Department of Energy Energy Information Administr Form EIA-923 (2008)	ation	POWER PLANT OPERATIONS REPORT					oroval 1905-0129 Expires: 12/31/2010	
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.								
		(Instructions fo		1 are on page	2)			
			Survey Con					
First Name:				.ast Name:				
Title:								
Telephone (include extension):	:		F	ax:				
E-mail:								
Address:			(City:				
State:			Z	Zip:				_
				erson for Surve				
First Name:								
Title:								
				ov:				
Telephone (include extension):				ax				
E-mail:								
Address:			(City:				
State:			2	Zip:				-
			<u>Report Fo</u>	<u>r</u>				
Company Name:				-				
Plant Name:				_ CHP	•	□ Yes	□ No	
Plant ID: Plant C	County:			Real	ulated	d 🗆 Yes	□ No	
Address:				- 7: 0				
City:					Jode	: 		
Reporting Month/Year:				_				
For que	estions or add	itional informatior	n about the For	m EIA-923, conta	act the	e Survey Ma	inager:	
Questions related to filing via the Int	ernet:		<u>CNEAFHelp</u>	center@eia.doe.g	<u>ov</u>	2	02-586-9595	
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EIA-923 Mailbox: EIA-923@eia.doe	e.qov							

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Plant ID:		State:	Repo	orting Month	/Yeai	r:	
SCHEDULE 2. PAGE 1. COST AND QUALITY OF FUEL RECEIPTS – PLANT LEVEL CONTRACT INFORMATION, RECEIPTS, AND COSTS For fossil-fueled plants 50 megawatts and above (Instructions for SCHEDULE 2. Page 1. are on page 3.)							
□ Is there a fuel tolling agreement in place for this plant? (If applicable, please check.)							this plant? (If
Contract Informatio	on		R	eceipts		Cost p	oer Unit
Complete for All Fue	els		A	ll Fuels		All Fuels	
Fuel Supplier Name	Contract Type	Contract Expiration Date	Energy Source	Quantity Received		Total Delivered Cost	Commodity Cost (coal, natural gas)
				Solids: To Liquids: Bai Gases: Mo	rrels	Cents per MMBtu, to the nearest 0.1 cents	Cents per MMBtu, to the nearest 0.1 cents

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Plant ID:		

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SCHEDULE 2. PAGE 2. COST AND QUALITY OF FUEL RECEIPTS - PLANT LEVEL **QUALITY OF FUEL AND TRANSPORTATION**

For fossil-fueled plants 50 megawatts and above (Instructions for SCHEDULE 2. Page 2. are on page 4.)

Contract Information Quality of Fuel as Received Fuel Transportation (from (from page 1) page 1) Coal, Pet Coal, Pet Coke, Complete for All Fuels All Fuels Coke, Oil Coal Only Coal Only Natural Gas and Oil Predomin **Fuel Supplier** Contract Contract Energy Sulfur Ash Mercury Firm or Secondary Heat Name Туре Expiration Date Source Content Content Content Content Interruptible ant Mode Mode Million Btus Percent Percent Parts per Mode Mode used (MMBtus) weight to weight to Million, or used to for final nearest per Unit nearest enter 999 if begin delivery of 0.01% 0.1% shipment the fuel. not available. of the fuel from the supplier.

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SCHEDULE 2. PAGE 3. COST AND QUALITY OF FUEL RECEIPTS - PLANT LEVEL COAL MINE INFORMATION

For fossil-fueled plants 50 megawatts and above

(Instructions for SCHEDULE 2. Page 3. are on page 7.)

Contract Information (from page 1)			(from page 1)	Coal Mine and Type				
Comple	Complete for All Fuels				If you hav	e provide	d the MSHA	ID number,
Fuel Supplier Name	Contract Type	Contract Expiration Date	Energy Source	MSHA ID Number	Name of Mine or Tipple	Mine Type	State or Country of Origin	County
				Leave blank if MSHA ID is not known.			Two-letter code	For imported coal, IMP should be entered.

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Plant ID:	Plant ID: State: Reporting Month/Year:								
	SCHEDULE 3. PART A. BOILER INFORMATION FOR STEAM-ELECTRIC ORGANIC-FUELED PLANTS — FUEL CONSUMPTION (Instructions for SCHEDULE 3. Part A. are on page 7.)								
Report only fuels of on SCHEDULE 3. If this does not ap	This schedule will be completed by plants with a total steam turbine capacity of 10 megawatts and above that burn organic fuels. Report only fuels consumed in the boilers, or for HRSGs in duct burners. Report consumption in combustion turbines or IC engines on SCHEDULE 3. PART B. If this does not apply, go to SCHEDULE 3. PART B. Complete a separate row for each Boiler ID (see page seven of the instructions).								
	oiler produce le, please che		es other than electric p	oower genera	ation during this r	eporting period?			
Prime Mover Code Boiler I	Boiler Status	Energy Source (See Table 8 on pages 22 through 23 in the Instructions.)	Quantity Consumed (Enter zero when a fuel has no consumption for this reporting period)	Type of Physical Units (tons, barrels, or Mcf)	Average Heat Content (as burned) (MMBtu per ton, barrel, or Mcf)	Sulfur Content (petroleum and coal only, to nearest 0.01%)	Ash Content (coal only, to nearest 0.1%)		
			DBL, or OG, please sp						

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Plant ID: State: Reporting Month/Year:							
		EL CONSUMPTION – PRIME CHEDULE 3. Part B. are on pa					
Report fuel consumed by p engines, and pumped stora	plants with organic-fueled steam age hydroelectric units.	turbine capacity UNDER 10 M	IW, AND ALL combus	stion turbines, IC			
turbines should be reporte	med for prime movers of a single d as one number. Report pump for each Prime Mover Type (see	ing energy in megawatthours f	or pumped-storage pl				
□ Was steam produ	Complete a separate row for each Prime Mover Type (see page nine of the instructions). Was steam produced for purposes other than electric power generation during this reporting period? (If applicable, please check.)						
Prime Mover Code	Energy Source (See Table 8 on pages 22 through 23 in the Instructions.)	Quantity Consumed (Enter zero when a fuel has no consumption for this reporting period.)	Type of Physical Units (tons, barrels, or Mcf)	Average Heat Content (MMBtu per ton, barrel, or Mcf)			

If Energy Source reported is OTH, OBS, OBG, OBL, or OG, please specify:

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SCHEDULE 4. FOSSIL FUEL STOCKS AT THE END OF THE REPORTING PERIOD AND DATA BALANCE For Coal, Oil, and Natural Gas Plants

(Instructions for SCHEDULE 4. are on page 10.)

Report stocks for the following fuels:

Coal (tons)

Residual oil (No. 5 and No. 6 fuel oils) (barrels)

Distillate-type oils (including diesel oil, No. 2 oil, jet fuel and kerosene) (barrels)

Petroleum coke (tons)

Include back-up fuels.

Include start-up and flame-stabilization fuels.

Do not report stocks for waste coal, natural gas, or wood waste. Do enter a comment if the natural gas balance does not equal zero.

Stocks held off-site that cannot be assigned to an individual plant are to be reported as stocks held at a central storage site. Each central storage site must be reported separately. New sites should be indicated in the Comment Section, located in SCHEDULE 9 of this form.

Enter zero if the plant has no stocks. Do not leave blank.

Enter adjustments to stocks. An adjustment can be positive or negative. See instructions for additional information. Provide a comment on SCHEDULE 9 to explain adjustments.

Enter a comment if the balance does not equal zero.

Energy Source (See Table 8 on pages 22 through 23 in the Instructions.)	Type of Physical Units (tons or barrels)	Previous Month's Ending Stocks (1)	Current Month's Receipts (2)	Current Month's Consumption (3)	Ending Stocks (4)	Adjustment to Stocks (5)	Balance (6) 4=(1+2-3+5)

Previous Month's Stocks plus Receipts minus Consumption plus (or minus) Adjustment should equal Ending Stocks. The balance will appear in column (6). If the balance is not zero, provide a comment below. Identify the fuel code in the comment.

Balance (from Column 6 above)	Energy Source	Comment

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SCHEDULE 5. PART A. GENERATOR INFORMATION FOR STEAM-ELECTRIC **ORGANIC-FUELED PLANTS**

(Instructions for SCHEDULE 5. Part A. are on page 11.)

This schedule will be completed ONLY for generators at steam-electric organic-fueled plants with a total steam turbine capacity of 10 megawatts and above. Report generation for all other types of prime movers (combustion turbines, IC engines, wind, or hydroelectric turbines), and steam turbine plants with less than 10 megawatts total capacity or fueled by nuclear, solar, geothermal, or other energy sources on SCHEDULE 5. PARTS B or C. Generation reported on SCHEDULE 5, Part A corresponds to the fuel consumption reported on SCHEDULE 3. Part A.

Industrial or Commercial CHP Plants may report ONLY gross generation if net generation is not measured (see instructions for definition of net generation).

Complete a separate row for each Generator ID (see page eleven of the instructions).

Prime Mover Code	Generator ID	Generator Status	Gross Generation (MWh)	Net Generation (MWh)

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Plant ID: _____ Sta

State: _____ Reporting Month/Year: _____

SCHEDULE 5. PART B. PRIME MOVER LEVEL GENERATION

(Instructions for SCHEDULE 5. Part. B. are on page 12.)

This schedule will be completed by steam-electric organic-fueled plants with a total steam turbine capacity less than 10

megawatts, by combined-cycle plants whose steam portion of the operation is under 10 MW, and ALL IC engines, combustion

turbines, and pumped-storage hydroelectric turbines. Generation reported on this schedule corresponds to the fuel consumption reported on SCHEDULE 3. Part B.

In the applicable Gross Generation or Net Generation cell, enter the aggregate generation for prime movers of a single type. For example, enter the total generation from all combustion turbines. Industrial or Commercial CHP Plants may report ONLY gross generation if net generation is not measured (see instructions for definition of net generation).

Complete a separate row for each Prime Mover Type (see Table 7 of the instructions).

Prime Mover Code	Gross Generation (MWh)	Net Generation (MWh)

Plant Name:

Plant ID:

State: Reporting Month/Year:

SCHEDULE 5. PART C. GENERATION FROM NUCLEAR AND OTHER NONCUMBUSTIBLE ENERGY SOURCES (Instructions for SCHEDULE 5. Part C. are on page 12.)

This schedule will be completed by all nuclear plants and by all wind, solar, geothermal, hydroelectric, or other plants where the energy source is noncombustible, such as purchased steam or waste heat. No fuel consumption is required for these types of plants. Report generation by energy source for nuclear, wind, solar, geothermal, conventional hydroelectric, and miscellaneous sources such as purchased steam or waste heat. Do not report generation at a combined-cycle plant. All combined-cycle generation is reported on SCHEDULE 5. PART B. Report nuclear data by generating unit.

In the applicable Gross Generation or Net Generation cell, enter the aggregate generation for prime movers of a single type. For example, enter the total generation from all combustion turbines. Industrial or Commercial CHP Plants may report ONLY gross generation if net generation is not measured (see instructions for definition of net generation).

Complete a separate row for each Prime Mover Type (see Table 7 of the instructions).

Prime Mover Code	Energy Source	Unit Code (nuclear)	Gross Generation (MWh)	Net Generation (MWh)

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SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

(Instructions for SCHEDULE 6. are on page 13.)

SCHEDULE 6 collects calendar year data (no monthly detail). Annual data are due by March 30 following the reporting year.

Report all generation in megawatthours (MWh) rounded to a whole number.

Source of Electricity	Disposition of Electricity		
(1) Gross Generation (Annual)	(4) Station Use		
(2) Other Incoming Electricity	(5) Direct Use (For CHPs only)		
	(6) Total Facility Use (4 + 5)		
	(7) Retail Sales to Ultimate Customers		
	(8) Sales for Resale		
	(9) Other Outgoing Electricity		
(3) Total Sources (1 + 2)	(10) Total Disposition (6 + 7 + 8 + 9)		

Total Sources must equal Total Disposition (3 = 10)

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SCHEDULE 7. ANNUAL REVENUES FROM SALES FOR RESALE

(Instructions for SCHEDULE 7. are on page 14.)

SCHEDULE 7 is to be completed by respondents who entered a positive amount on SCHEDULE 6, Disposition of Electricity, Item 8, Sales for Resale. Annual data are due by March 30 following the reporting year.

Sales for Resale is energy supplied to other electric utilities, cooperatives, municipalities, Federal and State electric agencies, or other entities for resale to end-use consumers.

Annual Revenues from Sales for Resale (in thousand dollars):

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Plant ID: _____ S

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SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION

SCHEDULE 8. PARTS A through F are filed annually and must be reported by steam-electric organic-fueled power plants with a total steam turbine capacity of 100 megawatts and above (only plants that reported boiler-level consumption on SCHEDULE 3. Part A.). All steam-electric organic-fueled power plants with a total steam turbine capacity of 10 megawatts and above are responsible for filing Schedule 8, Parts C, E, and F. Annual data are due by March 30 following the reporting year.

SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

(Instructions for SCHEDULE 8. Part A. are on page 14.)

Enter the quantity of combustion byproducts for the year by type of disposal (to nearest 0.1 thousand tons). Report sales of steam in million Btu (MMBtu). If actual data are not available, provide an estimated value.

□ NO BYPRODUCTS

Durandust		Disposa	I	Sale	e or Benefic	cial Use	Sto	rage	Total
Byproduct	On-Site Landfill	On-Site Ponds	Disposal Off-site	Sold	Used On-site	Used Off-site	Stored On-site	Stored Off-site	TOLAI
Fly ash from standard boiler/PCD units									
Fly ash from units with dry FGD									
Fly ash from FBC units									
Bottom ash from standard boiler units									
Bottom (bed) ash from FBC units									
FGD Gypsum									
Other FGD byproducts									
Ash from coal gasification (IGCC) units									
Other (specify via footnote on SCHEDULE 9)									
Steam Sales (MMBtu)									

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SCHEDULE 8. PART B. FINANCIAL INFORMATION (Instructions for SCHEDULE 8. Part B. are on page 15.)										
If actual data are	not available,	provide a	an estirr	nated value.						
	Operatio	on and M	aintena	ince (O&M) Expend	ditures During Yea	ar (Thousa	and Dollars	5)		
Туре	(1) (2) Fly Ash Bottom Ash			(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement		(6) Total (1 + 2 + 3 + 4 + 5)		
Collection	n									
Disposal										
Other										
Capital E	xpenditures ⁻	for New	Structu	res and Equipmen (Thousand		cluding La	and and In	terest Expense		
Туре	(7) Air Poll Abaten	ution	W	(8) /ater Pollution Abatement	(9) Solid/Contained	l Waste	Other	(10) Pollution Abatement		
Amount										
			Ву	product Sales Rev (Thousand		,				
Туре	(11) Fly Ash	(12 Botton		(13) Fly and Bottom Ash Sold Intermingled	Desulturization		5) yproduct enue	(16) Total (11+12+13+14+15)		
Amount										
L		L		1	1			<u> </u>		

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SCHEDULE			ION NITROGEN OXIDE E 8. Part C. are on page	EMISSION CONTROLS e 16.)						
Complete a separate row for each boiler. Note: The Boiler ID must match the Boiler ID as reported on Form EIA-860, "Annual Electric Generator Report."										
No NOx Controls										
Boiler ID	NOx	Control In-Service	NOx E	mission Rate (Ibs/MMBtu)						
		(hours)	Entire Year	May through Septembe	er					

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Plant ID:				State:			Reporting Y	′ear:								
	SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, ANNUAL OPERATIONS (Instructions for SCHEDULE 8. Part D. are on page 16.) Note: Cooling System ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report." Complete a separate row for each cooling system.															
Cooling	Cooling	Annual Amount						g of Chlorino	Annual Amount of Chlorine	Average An	nual Rate of Co (0.1 ft ³ /sec)	ooling Water		Maximum Cooling Water Temperature at Intake (F)		oling Water Temperature at charge Outlet (F)
System ID	n ID Status added to Cooling	added to Cooling Water (1000 lbs)	Withdrawal	Discharge	Consumption	Winter Peak Month	Summer Peak Month	Winter Peak Month	Summer Peak Month							

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Plant ID:	Plant ID: State: Reporting Year:									
SCHEDULE 8. PART E. FLUE GAS PARTICULATE COLLECTION INFORMATION (Instructions for SCHEDULE 8. Part E. are on page 17.)										
	 Does not apply. Complete a separate row for each flue gas particulate collector. 									
Flue Gas Particulate		Typical Particulate Emissions Rate (nearest	Removal Efficiency of Particulate Matter (nearest 0.1% by weight)							
Collector ID	Cidius		0.01 lb/MMBtu)	At Annual Operating Factor	At 100% Load or Tested Efficiency	Date of Most Recent Efficiency Test (e.g., 12-2005)				

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SCHEDULE 8. PART F. FLUE GAS DESULFURIZATION UNIT INFORMATION – ANNUAL OPERATIONS (Instructions for SCHEDULE 8. Part F. are on page 19.)											
Does not apply. Note: Flue Gas Desulfurization ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report." Complete a separate row for each Flue Gas Desulfurization Unit.									⁻ Report."		
ANNUAL OPERATIONS											
Flue Gas FGD U		GD Unit Hours In-		Quantity of FGD Sorbent Used	Electrical Energy		Removal Efficiency of Sulfur Dioxide (nearest 0.1% by wt)				
Desulfurization Unit ID	Statu	IS	Service	(0.1 thousand tons)	Consumption (MWh)	At Anı	nual Operating Factor	At 100% Load o Tested Efficienc			
	OPE	RATI	ON AND MAINT	ENANCE EXPENDITUR	ES DURING YEAR, I	EXCLUE		CITY (THOUSAND	DOLLARS)		
Flue Gas Desulfurization Un			Materials and Chemicals	Labor and Supervision Waste Disposal		sposal Maintenance, Materials, and All Other Costs		Waste Disposal			Total

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Plant Name	:										
	Plant ID: State: Reporting Month/Year:										
	SCHEDULE 9. COMMENTS (Instructions for SCHEDULE 9. are on page 20.)										
Comment S	Comment Section: Explain any unusual values, occurrences, or changes in ownership.										
Schedule	Part	Item		Comment							
Changes in Ownership (Provide name of purchaser and date sold.)											