

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

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		Plant State:	(Postal Abbre	viation)
Plant Name:		Reporting Period:	(MM))	(YYYY)
Plant ID:				

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:				
Plant Name:		City	/:	
Plant ID:		Sta	te:	(Postal Abbreviation)
Plant County:		Zip	Code:	(5 Digits)
Address:				
	YES NO			
	Is this plant regulated? (YES/NO):			
Is this a comb	ined heat and power plant? (YES/NO):			
East a such in a different				
For combined neat	and power plants:			
Er	nter the total plant efficiency of the combined heat an	d power plant:		
Is this a comb For combined heat Er	YES NO Is this plant regulated? (YES/NO): ined heat and power plant? (YES/NO): and power plants: the total plant efficiency of the combined heat and	d 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?	
Current Address:	

City:	
State:	(Postal Abbreviation)
Zip Code:	(5 Digits)

Contacts								
For questions related to E-filing: EI	ASurveyHelpCenter@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							
Form EIA-923 Mailbox: EIA-923@eia.go	V							

Independent Statistic & AnalysisFORM EIA-923 POWER PLANTOMB No. 1905-0129 Approval Expires: xx/xx/xx Burden HourU.S. Energy Information AdministrationPOWER PLANT OPERATIONS REPORTOMB No. 1905-0129 Approval Expires: xx/xx/xx Burden Hour							
Plant Name:			Plant State:	(Postal Abbreviation)			
Plant ID:			Reporting Period:	(MM)) (YYYY)			
SCHEDULE 2.	PART A. COST AND QUALITY OF FUEL CONTRA	PURCHASES - PLANT LEVEL CT INFORMATION, PURCHASE	S, AND COSTS				
Complete an ind • Each coal-fir • Each natura • A central fue	dividual Schedule 2. Part A for the following red plant with a nameplate capacity greater Il gas, petroleum coke, distillate and residu el terminal or storage facility for which Schu YES	: than, or equal to, 50 megawatts al fuel oil-fired plant with a namepl dule 2A data is not available to pl IO	ate capacity greater than, or ants served by it	equal to, 200 megawatt			
Was fuel purcha	ased this month? (YES/NO):	If YES complete Schedule 2	if NO skip to Schedule 3				
Report Fuel Co	intract information, Fuel Purchases and	Fuel Cost per Unit in the table t	elow:				
Contract Inform	nation:	If not on list, coloct "Nome Dans	ling" and provide name on C	abadula O			
Column A: Fue	I Supplier Name: Select from drop down lis	. If not on list, select "Name Pend	ling" and provide name on So	chequie 9.			
Column B. Cor	C - Contract C - Contract NC - New Contract or Renego S - Spot Market Purchase T - Tolling Agreement	tiated Contract Purchase	rop-down list.				
Column C: Exp	iration Date: Report contract expiration dat	9					
Fuel Purchase	s:						
Column E: Qua	ntity: Report only fuel purchas Report the quantity of so Report the quantity of liq Report the quantity of ga	es received for the use of electrici lid fuels purchased (in short tons). uid fuels purchased (in barrels). ses purchased (in thousand cubic	y generation. feet).				
Cost per Unit:							
Columns F and	G: Delivered Cost and Commodity Cost: R	eport as cents per million Btu. Rou	Ind to the nearest 0.1 cent.				
	Contract Information	Purchases	Cost (Cents per million Btu to the nearest 0.1 cent.)				

Contract Information			Purc	hases	(Cents per million Btu to the nearest 0.1 cent.)		
Fuel Supplier Name	Purchase Type or Tolling Agreement	Contract Expiration Date (MMYY)	Energy Source	Quantity	Total Delivered Cost	Commodity Cost	
А	В	С	D	Е	F	G	

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Plant Name: Plant ID:												Plant State: Reporting Pe	riod:	(Postal Abbre (MM))	riation) (YYYY)
				SCHEDULE 2	. PART B. COST		OF FUEL PURC	CHASES - PLAN				rteporting r e	100.	(1-11-1)/	()
					QUALITY	OF FUEL AND T	RANSPORTAT	TION							
• Each coal-fired plant with a nameplate capacity greater than, or equal to, 50 megawatts • Each natural gas, petroleum coke, distillate and residual fuel oil-fired plant with a nameplate capacity greater than, or equal to, 200 megawatts • A central fuel terminal or storage facility for which Schedule 2B data is not available to plants served by it															
Report Fuel Quality as Received, Con	tract Informati	on, and Fuel ⁻	Transportation	Information in the table	e below:										
Purchases: All data for Columns A through D is from	m responses or	n Schedule 2A	(and is pre-popu	lated for the online form	s)										
Quality of Fuel as Received: Column E: Average Heat Content: Re Report in MMBtu per short ton for Round average heat content to the	eport actual ave solid fuels; in N e nearest 0.001	erage heat con IMBtu per barr I MMBtu/unit.	tent (higher heat rel for liquids; in	ing value) for each fuel p MMBtu per thousand cut	urchase. Do not bic ft. for gas.	report the contrac	ctual Btu heat c	ontent.							
Column F: Sulfur Content: Report for • Report as percent sulfur by weigh • Refer to Table 1 in the Instructions	all coal types, p t, rounded to th s document for	etroleum coke e nearest 0.01 approximate ra	e, and residual oil . percent. anges.												
Column G: Ash Content: Report for C • Report as percent ash by weight r • Refer to Table 1 in the Instructions Column H: Moisture Content: Report	oal and Petrole ounded to the r s document for for Coal, only,	um Coke, only nearest 0.01 pe approximate ra as percent by y	ercent. anges. weight rounded t	o the nearest 0.01 perce	nt.										
Columns I1, I2 and J1, J2: Mercury ar • Report each as parts per million (p • Enter the amount specified in com	nd Chlorine Cor opm); if content tract with suppli	ntent: Report fo is unknown, le ier when lab te	or coal only. eave column I1/J ests of coal do no	1 blank and fill the check t provide content.	kbox in column I2	/J2.									
Contract Information - Natural Gas, Columns K and L: Natural Gas Supply • Select "F" if natural gas transporta • Select "I" if natural gas transportal	Dnly: / Contract Type ttion service or tion service or s	e and Natural G supply contrac supply provided	Sas Delivery Con at provided on a t d under schedule	tract Type irm basis. es or contracts which ant	icipate and permi	it interruption on s	short notice.								
Column N: Secondary Mode - Mode of tr • Select fuel transportation codes fr • Column N: Secondary Mode - Mode of	and Petroleu ansport over th om the Instruct	m Coke Only the longest distance tions document	ance L												
Select fuel transportation codes fr	om the Instructi	ions document	i.												
Purchases (Fro	n Schedule 2,	Part A)				Qua	ality of Fuel as	Received				Natu Contract	ral Gas	Fuel Trans	portation
								Mercury	/ Content	Chlori	ne Content				
Fuel Supplier	Purchase Type	Energy Source	Quantity	Average Heat Content (High Heating Value) (MMBtu/unit)	Sulfur Content (% weight)	Ash Content (% weight)	Moisture Content (% weight)	Mercury Content (ppm)	Check if Mercury Content is Not Available	Chlorine Content (ppm)	Check if Chlorine Content is Not Available	Primary Mode	Secondary Mode	Supply Contract Type	Delivery Contract Type
А	в	с	D	Е	F	G	н	11	12	J1	J2	к	L	м	N
									H						
									H						



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Plant Name: Plant ID: Plant State: (Posta Reporting Period: (MM),

(Postal Abbreviation) (MM)) (YYYY)

SCHEDULE 2. PART C. COST AND QUALITY OF FUEL PURCHASES - PLANT LEVEL COAL MINE INFORMATION

Complete an individual Schedule 2, Part C for:

- Each coal-fired plant with a nameplate capacity of greater than, or equal to, 50 megawatts
- A central fuel terminal or storage facility for which Schedule 2B data is not available to plants served by it

Report information on coal purchases in the table, at bottom:

Purchases:

All data for Columns A through D is from coal purchases responses on Schedule 2A (and is pre-populated on the online form).

Coal Mine Information:

Column E: Coal Mine State: Select the two-letter U.S. Postal Service abbreviation or country code from the drop down list of coal producing states or countries. Columns F through I: Mine Information: Select the information about the mine of origin from the drop-down list that will be populated once the coal mine state has been selected.

Contact EIA immediately for assistance in reporting Coal State or Origin or Mine Information if the mine is not included in the look up list.

Purchases (From Schedule 2, Part A)				Coal Mine Information				
Fuel Supplier A	Purchase Type B	Energy Source C	Quantity D	Coal Mine State E	Coal Mine MSHA ID F	Coal Mine Type G	Coal Mine Name H	Coal Mine County I

eia Interpretent 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))
SCHEDULE 3. PART A. BOILER AND GENERATOR FUEL CONSU	INFORMATION FOR STEAM-ELECTRIC ORGANIC-FUELED P IMPTION AND GENERATION	LANTS
Annual respondents with generator nameplate capacity of 10MW or above, report an individual If you have plants with steam turbine capacity that also burn organic fuels, complete an individual Report fuel consumption for each boiler and electric power generation for each generator, in group – 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 the function of the statement of the stat	al Schedule 3, Part A for each month in the reporting year. Enter the month for which Schedule 3, Part A for each steam-electric organic fueled unit. os of associated boilers and generators at this plant (for plants wi plank.	you are reporting:
 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 of 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 For energy source codes OTH, OBS, OBG, OBL and OG, specify the fuel in the area at the I Quantity Consumed and Fuel Consumption Units: Report the amount of fuel consumed for electric power generation. Units will be filled autom At combined heat and power stations, report the amount of fuel consumed for electric gener Report in MMBtu per short ton for solid fuels; in MMBtu per lor liquids; in MMBtu per Average Heat Content: Report actual average heat content (higher heating value) for fuel as b 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 	in the Form EIA-860. Report changes in the boiler status using o a footnote characterizing the average percent of each coal type i bottom of the page. atically. ation and useful thermal output. thousand cubic ft. for gas urned:	pptions provided in a pull down menu. n the blend on Schedule 9.
 Generation: Generator ID and Generator Status: The majority of Generator IDs are pre-populated and grouped with the associated boilers or For a Generator ID that is not pre-populated on the online form, choose the ID from the drop If the generator ID is not on the list, contact EIA to have the ID added to your form to match the Gross Generation: Enter the total amount of electric energy produced by generating units and Net Generation: Net generation is the gross generation minus the parasitic station load, i.e. station 	the online forms. Report changes in the generator status using down list of Generator IDs that were reported for your plant on the hose Generator IDs on the Form EIA-860 measured at the generating terminal, in MWh tion use, in MWh.	options provided in a pull down menu. he Form EIA-860

Generators With Nameplate Capacity 10MW or Above:

			Fuel	Consumpti	on Table						Gener	ation Table	
Boiler Generator Group code (EIA use only)	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)
A	В	С	D	E	F	G	н	1	J	Α	В	С	D
1	ST												
	ST												
	ST												
	ST												
	ST												
2	ST												
	ST												
	ST												
	ST												
	ST												
Specify other fuel	(for Column E):												

Generators With Nameplate Capacity Less Than 10MW

		Fuel Con	sumptio	n Table	_			Gener	ation Table	
Prime Mover Code	Energy Source	Quantity Consumed	Units	Average Heat Content (High Heating Value)	Sulfur Content	Ash Content	Generator ID	Generator Status	Gross Generation (MWh)	Net Generation (MWh)
Α	В	с	D	E	F	G	A	В	С	D
ST										
ST										
ST										
ST										
ST										
ST										
Specify othe	r fuel (for Colu	imn E):								

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Plant Name: Plant ID:

FORM EIA-923 POWER PLANT OPERATIONS REPORT

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(YYYY)

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

SCHEDULE 3. PART B. FUEL AND GENERATION INFORMATION FOR SINGLE CYCLE GAS TURBINES, INTERNAL COMBUSTION ENGINES, HYDROELECTRIC PUMPED STORAGE, AND COMPRESSED AIR STORAGE

Fuel Consumption and Generation

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

- Reversible (pumped storage) hydraulic units (PS) Single cycle gas turbines (GT)
- Internal combustion engines (IC) · Compressed air units (CE)
- Fuel Cells (FC) Battery (BA) and Flywheel (FW) electric storage units.
- Other miscellaneous prime mover types (OT), not covered in Schedules 3A-3D

Do not report for each individual prime mover unit.

For example, report natural gas consumed and megawatthours produced for all single cycle GT at the plant as one value.

Monthly respondents report data for each month.

Annual respondents report data for the calendar year (do not break down by month).

Fuel Consumption:

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

Prime Mover Code: Report for codes GT, IC, FC, PS, CE, and OT.

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 page.

Quantity Consumed:

- · Report the amount of fuel consumed for electric power generation.
- At combined heat and power stations, report the amount of fuel consumed for electric power generation and useful thermal output.

Units: Report fuel consumption in the following units:

Solids: Tons; Liquids: Barrels (one barrel = 42 U.S. gallons); Gases: Thousands of cubic feet (Mcf); Energy Storage (for compressed air or hydro pumped storage): Megawatthours (MWh).

Average Heat Content:

- Report actual average heat content (high heating value) for each 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:

Prime Mover Code: Report for codes GT, IC, FC, PS, CE, BA, FW, and OT.

Peaking Unit (Yes/No):

- Enter "Y" if the unit(s) can be described as a "peaking unit," as opposed to a base load unit, and "N" if the unit cannot be described as a "peaking unit."
- · Peaking units typically run only during hours of high, or peak, demand as opposed to base load units that run continuously, except for maintenance or other outages.

Gross Generation:

- Enter the total amount of electric energy produced by generating units and measured at the generating terminal, in MWh.
- · Report gross generation for each prime mover type as an individual value.

Net Generation:

- Report the gross generation minus the parasitic station load (i.e. station use), in MWh.
- · Report the net generation for each prime mover type as an individual value.
- The net generation for (pumped) storage units must comply to the following relationship:

Net generation (MWh) = Gross Generation (MWh) - Energy Consumed for storage/pumping (MWh) (Note: all three elements of this equation must be reported.)

		Fuel Consumption Table	;				Gene	eration Table	
Prime Mover Code	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)		Prime Mover Code	Peaking Unit (Yes/No)	Gross Generation (MWh)	Net Generation (MWh)
A	В	С	D	E		Α	В	С	D
Specify other fuel (for	Column B):								

											OMB No. 1905 Ap	-0129 proval Expires:
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CIU Admin	nistration									Plant State:	(Postal Abbrevi	ation)
Plant Name:										Reporting Period:	(MM))	(YYYY)
Fiant ID.				SCHEDULE	3. PART C. FUEL AN			FOR				
			Fuel Co	nsumption and	Generation	TULEP	LANTS					
Report fuels consume	d and the associated	l electric nower gen	eration for the fo	llowing prime m	overs.							
Single-shaft con	hustion turbine plan	ts (CS).		nowing prime in	00013.							
Combined-cycle	combustion and ste	am turbine plants (C	CA/CT), including	integrated gas	combined cycle (IGCC)	plants.						
If you are an annual c	combined-cycle con	nbustion and stear	n turbine(CT/C/	A) plant with a	steam turbine generat	or name	plate capacity of 10MW	or above, r	eport an indivi	dual Schedule 3, Part D for e	ach month in th	e reporting year.
Complete an individua	al Schedule 3, Part D	for each combined	-cycle unit:					ich you are re	porung.			
Report combin	ed-cycle units in gro	ups of associated co	ombustion turbin	es, Heat Recov	ery Steam Generators (HRSGs)	and steam turbines.	accepted a	10110			
- Report associa	alea Combinea Cycle	- Turbine Part (CT)) and Combined	Cycle - Steam F	art (CA) units separate	iy, ieavir	ig a space between each	associated g	roup.			
Fuel Consumption:	sumed in EACH HR	SC and in EACH or	mbustion turbin	- generator ID (combination							
 Report luer cor Report suppler 	nental firing fuels co	nsumed in the HRS	G or if no fuel is	consumed rep	ort WH and leave the g	iantity bl	ank					
 If multiple fuels 	are consumed in the	e combustion turbin	e or HRSG, repo	rt consumption	for each fuel type; how	ever, rep	ort generation as one val	ue for the uni	t.			
 If no fuel is cor 	nsumed in a reporting	g period, enter zero.	Do not leave bla	ank, except for v	vaste heat (WH).		•					
Energy Source: Us	se the fuel codes in t	he Look Up List Wo	rksheet. For ene	ergy source cod	es OTH, OBS, OBG, OB	BL and C	G, specify the fuel in the	area at the b	ottom of the fi	rst table.		
Quantity Consume	ed:											
 For each combu 	stion turbine or HRS	G, report the amour	nt of fuel consum	ed for electric p	ower generation and, a	combin	ed heat and power statio	ns, for both e	lectric power g	generation and useful therma	l output.	
 Integrated gasifi 	cation combined cyc	le units (IGCC) shou	uld report the syr	nthesis gas con	sumed.							
 Non-supplement 	tary fired steam turbi	nes should report w	aste heat (WH) a	as the energy so	ource.							
 The quantity for 	waste heat should b	e left blank.										
Boiler ID: The EIA	HRSG Boiler ID is pr	e-populated on the	online forms.									
Units:												
Solids:	Tons											
Liquids:	Barrels (one barrel =	42 U.S. gallons)										
Gases	I housands of cubic 1	eet (Mcf)										
Average Heat Con	tent (Higher Heating	g Value): or fuel ee burned										
Report actual av Report in MMBti	uper short ton for so	lid fuels: in MMRtu r	per harrel for liqu	ids: in MMBtu n	er thousand cubic ft for	nas						
Round average	heat content to the n	earest 0.001 MMBtu	u per unit.	ido, in minota p		gus.						
Constation												
— Report general	tion for EACH combi	ustion turbine and E	ACH steam turbi	ne.								
Generator ID: The	Generator ID must n	natch the ID provide	d on the Form E	IA-860 (and is p	re-populated on the onl	ine form	s).					
Gross Generation:	Enter the total amo	unt of electric energy	y produced by g	enerating units a	and measured at the ge	nerating	terminal, in MWh.					
Net Generation: E	nter the gross genera	ation minus the para	sitic station load	(i.e., station us	e), in MWh.							
		Prime M	over CS Fu	el Consumpt	ion and Generatior	n Table						
								Gross	Net			
EIA USE ONLY	Prime Mover	Generator ID	Generator	Energy	Quantity	Units	Average Heat Content	Generation	Generation			
(Group coue)	Coue		Status	Source	Consumed		(ingher ricating value)	(MWh)	(MWh)			
А	В	С	D	Е	F	G	н	I	J			
1	CS											

Specify other fuel: (for Column E)

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

		Prime M	over CT Fu	el Consumpt	ion and Generation	n 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)
А	в	С	D	Е	F	G	н	I	J
1	СТ								
2	СТ								
Specify other fuel	: (for Column E)								

		Prime Move	er CA Fuel (Consumption	n Table				Prime Mover	CA Gen	eration Table	e
EIA USE ONLY (Group code)	Prime Mover Code	Boiler (HRSG) ID	Boiler Status	Energy Source	Quantity Consumed	Units	Average Heat Content (Higher Heating Value)	EIA USE ONLY (Group code)	Generator ID	Generator Status	Gross Generation (MWh)	Net Generation (MWh)
Α	В	С	D	E	F	G	н	Α	В	С	D	E
1	CA							1				
2	CA							2				
Specify other fuel	(for Column E) :											

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 F	PLANTS			
	Total	Fuel Consumption	n Data for Gasif	ier Unit(s)		
Gasifier ID	Energy Source	Quantity Consumed	Units	Average Heat Content (High Heating Value)	Sulfur Content	Ash Conten t
А	В	с	D	Е	F	G

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FORM EIA-923 POWER PLANT OPERATIONS REPORT

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Plant Name: Plant ID:

Plant State:	(Postal Abl	breviation)
Reporting Period:	(MM))	(YYYY)

SCHEDULE 3. PART D.

GENERATION FROM NUCLEAR, NONCOMBUSTIBLE, AND RENEWABLE ENERGY SOURCES

Complete an individual Schedule 3, Part C for each nuclear plant and all wind, solar, geothermal, hydroelectric, or other plants where the energy source is noncombustible, such as purchased steam or waste heat. Do not report for combined cycle plants, which belong on Schedule 3D.

- $-\,$ 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.
- Report nuclear data by generating unit.
- Complete a separate row for each prime mover type.

Column A: Prime Mover Code: Select the prime mover code from the drop down list.

Column B: Energy Source: Select the energy source code from the drop down list.

Column C: Nuclear Unit Code: This must match the nuclear unit code reported on the Form EIA-860 (and is pre-filled for the online forms).

Column D: Gross Generation:

- Enter the aggregate generation for prime movers of a single type, in MWh.
- Report gross generation for Industrial or Commercial Sector plants only if net generation is not measured.

Column E: Net Generation:

- Enter the gross generation minus the parasitic station load (i.e., station use), in MWh.
- Enter the aggregate generation for prime movers of a single type. For example, enter the total generation from all wind turbines.

		Generation Table		
Prime Mover Code	Energy Source	Nuclear Unit Code	Gross Generation (MWh)	Net Generation (MWh)
А	В	С	D	E



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ne:	Plant State:	(Postal Abbrevi
	Reporting Perio	I: (MM)) (Y)

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.

 $\ensuremath{\bullet}$ 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.

Energy Source	Units	End of Prior Month/Year Stocks	Receipts	Consumption	End of Current Month/Year Stocks	Adjustments to Stocks	Fuel Balance
А	В	С	D	E	F	G	Н

Energy Source	Comments for Adjustments

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Plant Name:			Plant State:	(Postal Abbreviation)					
Plant ID:			Reporting Period:	(MM)) (YYYY)					
SCHEDULE 4. PART B. FOSSIL FUEL DISTRIBUTION FROM CENTRAL FUEL TERMINALS TO POWER PLANTS									
Report distribu Do NOT repor	utions of coal, residual oil (No. 5 and No. t fuel in transit on Schedule 4, Part B. F	. 6 fuel oils), Distillate-type oils (No. 2 oil, jet fuel, and kerose Report fuel in transit on Schedule 4, Part A, as part of negative	ene), and petroleum coke ve adjustments.						
Column A: P	lant ID: Enter the Plant ID for the plant to	to which fuels were distributed.							

Column B: Plant Name: Enter the name of the plant to which fuels were distributed.

Column C: Fuel Type: Report fuel type using energy source codes.

Column D: Quantity of Fuel Shipped to Plant:

 Report the Quantity of Fuel Shipped to Plant in the following units: Coal: Short Tons Residual Oil: Barrels Distillate-Type Oils: Barrels Petroleum Coke: Short Tons

• Enter zero if no shipments were made to this plant this month.

FUEL TERMINAL - PLANT RELATIONSHIPS AND FUEL SHIPMENTS Plant ID Plant Name Quantity of Fuel Shipped to Plant A B C D I

Schedule 5 is reserved for future use.

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Plant Name:					
Plant ID:					

Plant State: Reporting Period:

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	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.



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(YYYY)

Plant State:

Reporting Period:

Plant Name:	
Plant ID:	

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):



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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					

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Plant Name:			1				Plant State	:	(Postal Abb	previation)		
Plant ID:			1				Reporting F	Period:	(MM))	(YYYY)		
Complete an – Enter the – If actual – Report tf – Report s – If no by-p	SCHED SCHEDU individual Schedule 8, Part A annually for each organ e quantity of combustion by-products for the year, by data are not available, provide an estimated value. ne quantity of combustion by-products rounded to the ales of steam in million Btu (MMBtu). product was produced, place a check in the checkbo	ULE 8. ANN LE 8. PART nic-fueled the type of disp e nearest 0.1 x labeled "So	IUAL ENVIR A. ANNUA ermoelectric osal. I. thousand t elect if no co	RONMENTA L BY-PROD power plant cons.	L INFORMA UCT DISPC (i.e., steam-	ATION DSITION -electric plan	ts, including	nuclear and	combined	cycle plants) with	at	
Note:												
	FGD = Flue Gas Desulfurization											
	FBC = Fluidized Bed Combustion											
	IGCC = Integrated Gasification Combined Cycle											
Select box if	no combustion by-products were produced:											
	Combustion By-Product		Disposal		В	Beneficial Us	se	Storage				
		On-Site	On-Site Ponds	Disposal Off-Site	Sold	Used On-Site	Used Off-Site	Stored	Stored	Total		

	Landfill	Ponds	Off-Site	Sold	On-Site	Off-Site	On-Site	Off-Site	Total
	Α	В	С	D	Е	F	G	Н	1
Fly ash from standard boiler/PCD units (0.1 thousand tons)									
Fly ash from units with dry FGD (0.1 thousand tons)									
Fly ash from FBC units (0.1 thousand tons)									
Bottom ash from standard boiler units (0.1 thousand tons)									
Bottom (bed) ash from FBC units (0.1 thousand tons)									
FGD Gypsum (0.1 thousand tons)									
Other FGD by-products (0.1 thousand tons)									
Ash from coal gasification (IGCC) units (0.1 thousand tons)									
Other (specify by-product via comments on Schedule 9)									
Steam Sales (MMBtu)									



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Plant State:

Reporting Period:

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(MM)) (YYYY)

Plant Name:	
Plant ID:	

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 AshBottom AshFlue Gas DesulfurizationWater Pollution AbatementOther Pollution Abatement										
	(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 AshBottom AshFly and Bottom Ash Sold IntermingledFlue Gas Desulfurization By-ProductOther By-Product RevenueTotal										
	(11)	(12)	(13)	(14)	(15)	(16)					
Amount											

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(YYYY)

Plant Name:			Plant State						
Plant ID:			Reporting Period:						
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 (NOx), 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 NOx 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 SO_2 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 n and/or Technology Type				Nitrogen Oxide (NOx) Control		Particulate Matter Control				Sulfur Dioxide(SO ₂) Control					Acid Gas Control
Equipment IDs (FGD, FGP, or Boiler ID)'	Equipment Type	Equipment Status	Hours in Service	Actual NOx Emissions Rate (Annual)	Actual NOx Actual NOx Emissions Emissions Rate Rate (Annual) (May to Sep.)		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	HCI Removal Efficiency
				(nearest lbs/MMBtu)		(nearest lbs/MMBtu) (nearest 0.1% by weight)		(MMYY)	(nearest 0.1% by weight)		6 by weight) (MMYY) (nearest 0.1 thousand (MWh) tons)		(MWh)	(nearest 0.1% by weight)		
Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	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						



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(MM))

Plant State:

Reporting Period:

Plant Name: Plant ID:

SCHEDULE 8. PART D. MONTHLY COOLING SYSTEM INFORMATION

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than or equal to 100 megawatts.

- Complete a separate schedule for each reporting month.

- Complete a separate row for each cooling system.
- If actual data are not available, provide an estimated value.

- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

- To convert water flow rates from cubic feet per second (CFS) to gallons per minute (GPM), use conversion factor: 1 CFS = 448.8 GPM

Reporting Month (MM):

				Average Monthly Rate of Cooling Water (to nearest gallons per minute)				Cooling Water Temperature (degrees Fahrenheit)				Volume of Cooling Water (to nearest 0.001 million gallons per month)						
Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service per month	Amount of Chlorine (Elemental) Added (to nearest 0.001 thousand pounds)	Diversion	Withdrawal	Discharge	Consumption	Method of Measurement	Average at Intake	Maximum at Intake	Average at Discharge	Maximum at Discharge	Method of Measurement	Diversion	Withdrawal	Discharge	Consumption
А	в	С	D	E	F	G	н	1	J	к	L	М	N	0	Р	Q	R	S

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				Plant State.	(Postal Abbreviation)							
Plant Name:				Reporting Period:	(MM)) (YYYY)							
Plant ID:												
	SCHEDULE 9: COMMENTS											
Schedule	Part	Item	Comment or Footnote									

Generator Retirement Dates

Complete this section for generators with retirement dates planned for the next twelve months.

Generator ID	Proposed Retirement Date	Comment

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