



Independent Statistics & Analysis
U.S. Energy Information
Administration

Form EIA-860
ANNUAL ELECTRIC
GENERATOR REPORT

Year: 2012
Form Approval: OMB No. 1905-0129
Approval Expires: 10/31/2013
Burden: 9.4 Hours

GLOSSARY

The glossary for this form is available online at the following URL:
<http://www.eia.gov/glossary/index.html>

SANCTIONS

The timely submission of Form EIA-860 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than \$2,750 per day for each civil violation, or a fine of not more than \$5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. **Title 18 U.S.C. 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.**

REPORTING BURDEN

Public reporting burden for this collection of information is estimated to average 6.75 hours per response for respondents without environmental information and 12.5 hours per response for respondents with environmental information, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the U.S. Energy Information Administration, Office of Survey Development and Statistical Integration, Mail Stop EI-21, 1000 Independence Avenue, SW, Washington, DC 20585-0670; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. A person is not required to respond to the collection of information unless the form displays a valid OMB number.

DATA PROTECTION PROCEDURES

Information reported on Form EIA-860 will be treated as non-sensitive and may be publicly released in identifiable form except as noted below.

The information reported for the data element "Tested Heat Rate" contained on SCHEDULE 3, PART B. GENERATOR INFORMATION – EXISTING GENERATORS will be treated as sensitive and protected to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905.

The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another component of the Department of Energy (DOE); to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are applied to the sensitive statistical data published from SCHEDULE 3 PART B. GENERATOR INFORMATION – EXISTING GENERATORS, Tested Heat Rate, on Form EIA-860 to ensure that the risk of disclosure of identifiable information is very small.



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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 disclosure information, see the provisions stated on the last page of 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.**

SCHEDULE 1. IDENTIFICATION

Survey Contact

Name: _____ Title: _____
Address: _____
City: _____ State: _____
Zip: _____
Phone (include extension): _____ Fax: _____
Email: _____

Supervisor of Contact Person for Survey

Name: _____ Title: _____
Address: _____
City: _____ State: _____
Zip: _____
Phone (include extension): _____ Fax: _____
Email: _____

Report For

Operator Name: _____
Operator ID: _____
Reporting as of December 31 of year: _____

Operator Information

Legal Name of Operator: _____
Current Address of Principal Business Office of Plant Operator: _____

Is the Operator an Electric Utility? [] Yes [] No

If you are having a problem with logging into or using the e-file system, contact the Help Center at: EIASurveyHelpCenter@eia.gov or 202-586-9595.

If you have a question about the data requested on this form, email EIA-860@eia.gov (preferred) or contact one of the survey managers listed below.

Vlad Dorjets, 202-586-3141

Suparna Ray, 202-586-5077

Tosha Richardson, 202-287-6597



Operator Name: _____

Operator ID: _____ Reporting as of December 31 of Year: _____

SCHEDULE 2. POWER PLANT DATA
(EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 10 YEARS)

LINE	PLANT (USE SEPARATE PAGE FOR EACH PLANT)		
1	Plant Name		EIA Plant Code
2	Street Address		
3	County Name		City Name
4	State		
5	Zip Code		
6	Plant Latitude (Decimal)		Plant Longitude (Decimal)
	Plant Latitude (Degrees, Minutes, Seconds)		Plant Longitude (Degrees, Minutes, Seconds)
7	Enter Datum for Latitude and Longitude, if Known; Otherwise Enter "UNK"		
8a	NERC Region		
8b	Is this Plant in an RTO or ISO Territory?		<input type="checkbox"/> Yes <input type="checkbox"/> No
8c	Name of RTO or ISO	<input type="checkbox"/> California ISO <input type="checkbox"/> Southwest Power Pool <input type="checkbox"/> PJM Interconnection <input type="checkbox"/> ISO New England	<input type="checkbox"/> Electric Reliability Council of Texas <input type="checkbox"/> Midwest ISO <input type="checkbox"/> New York ISO <input type="checkbox"/> Other
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)		
10	Steam Plant Status	<input type="checkbox"/> existing <input type="checkbox"/> planned <input type="checkbox"/> retired <input type="checkbox"/> NA	
11	Steam Plant Type	<input type="checkbox"/> 1. Combustible-fueled steam generators with 100 MW or more nameplate capacity (including steam generators with duct firing). <input type="checkbox"/> 2. Combustible-fueled steam generators with more than 10 MW but less than 100 MW nameplate capacity (including steam generators with duct firing). <input type="checkbox"/> 3. All nuclear generators, combined cycle steam turbine generators without duct firing and solar thermal generators using a steam cycle with 100 MW or more nameplate capacity. <input type="checkbox"/> 4. Non-steam fueled generators (wind, PV, geothermal, fuel cell, etc.) and generators not meeting conditions of categories above.	
12	Primary Purpose of the Plant (North American Industry Classification System)		
13	Does this plant have Federal Energy Regulatory Commission (FERC) Qualifying Facility (QF) Cogenerator status? If Yes, provide all QF docket number(s). Separate by using a comma. _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	Does this plant have Federal Energy Regulatory Commission (FERC) Qualifying Facility (QF) Small Power Producer status? If Yes, provide all QF docket number(s). Separate by using a comma. _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15	Does this plant have Federal Energy Regulatory Commission (FERC) Qualifying Facility (QF) Exempt Wholesale Generator status? If Yes, provide all QF docket number(s). Separate by using a comma. _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16a	Owner of Transmission and/or Distribution Facilities		
16b	Grid Voltage (in kilovolts)		



Operator Name: _____

Operator ID: _____ Reporting as of December 31 of Year: _____

SCHEDULE 3. GENERATOR INFORMATION
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 10 YEARS)

SCHEDULE 3, PART A. GENERATOR INFORMATION – GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

1	Plant Name						
2	EIA Plant Code						
		Generator (a)		Generator (b)		Generator (c)	
3	Operator's Generator Identification						
4	Prime Mover						
5	Associated Boiler Identifications	1 _____	5 _____	1 _____	5 _____	1 _____	5 _____
		2 _____	6 _____	2 _____	6 _____	2 _____	6 _____
		3 _____	7 _____	3 _____	7 _____	3 _____	7 _____
		4 _____	8 _____	4 _____	8 _____	4 _____	8 _____
6	Unit Code (Multi-Generator Code)						
7	Ownership						
8	Is This Generator an Electric Utility Generator?	[] Yes	[] No	[] Yes	[] No	[] Yes	[] No
9	Date of Sale if Sold (MM-YYYY)						
10	Can This Generator Deliver Power to the Transmission Grid?	[] Yes	[] No	[] Yes	[] No	[] Yes	[] No
11	For Combined-Cycle Steam Turbines (i.e. Prime Mover = CA, CS or CC) Does this Generator Have Duct-Burners?	[] Yes	[] No	[] Yes	[] No	[] Yes	[] No



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

Reporting as of December 31 of Year: _____

SCHEDULE 3, PART B. GENERATOR INFORMATION – EXISTING GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)				Generator (b)				Generator (c)			
1	Generator Nameplate Capacity (AC MW)												
2	Net Capacity (AC MW)	Summer:				Summer:				Summer:			
		Winter:				Winter:				Winter:			
3a	Maximum Reactive Power Output (MVAR) [Leave Blank if Test Has Not Been Conducted]												
3b	Maximum Reactive Power Absorption (MVAR) [Leave Blank if Test Has Not Been Conducted]												
4	Status Code												
5	If Status Code is Standby, Can the Generator be Synchronized to the Grid?	<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
6	Initial Date of Operation (MM-YYYY)												
7	Retirement Date (MM-YYYY)												
8a	Is This Generator Associated with a Combined Heat and Power System?	<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
8b	If Yes, Is This Generator Part of a Topping or Bottoming Cycle?	<input type="checkbox"/> Topping		<input type="checkbox"/> Bottoming		<input type="checkbox"/> Topping		<input type="checkbox"/> Bottoming		<input type="checkbox"/> Topping		<input type="checkbox"/> Bottoming	
ENERGY SOURCES													
9	Predominant Energy Source												
9a	If coal-fired or petroleum coke-fired, check all combustion technologies that apply to the associated boiler(s) and steam conditions	<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
10	Start-Up and Flame Stabilization Energy Sources (Steam Units Only)	a	b	c	d	a	b	c	d	a	b	c	D
11	Second Most Predominant Energy Source												
12	Other Energy Sources	a	b	c	d	a	b	c	d	a	b	c	D



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

Reporting as of December 31 of Year: _____

SCHEDULE 3, PART B. GENERATOR INFORMATION – EXISTING GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)				Generator (b)				Generator (c)			
13	Is This Generator Part of a Solid Fuel Gasification System?	[] Yes [] No				[] Yes [] No				[] Yes [] No			
14	Number of Turbines, Buoys, or Inverters												
15a	Tested Heat Rate												
15b	Fuel Used For Heat Rate Test												
16	Operating Efficiency for Solar Photovoltaic Generators (If Available)												
PROPOSED CHANGES TO EXISTING GENERATORS (WITHIN THE NEXT 10 YEARS)													
17a	Are There Any Planned Modifications to This Generator, Including Retirement?	[] Yes [] No				[] Yes [] No				[] Yes [] No			
17b	Planned Upgrades:												
	1. Incremental Net Summer capacity (MW)												
	2. Incremental Net Winter capacity (MW)												
17c	3. Planned Effective Date (MM-YYYY)												
	Planned Derates:												
	1. Incremental Net Summer capacity (MW)												
17d	2. Incremental Net Winter capacity (MW)												
	3. Planned Effective Date (MM-YYYY)												
	Planned Repowering:												
17e	1. New Prime Mover												
	2. New Energy Source												
	3. New Nameplate Capacity												
17e	4. Planned Effective Date (MM-YYYY)												
17e	Other Modifications? (explain in Notes)	[] Yes [] No				[] Yes [] No				[] Yes [] No			



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

Reporting as of December 31 of Year: _____

SCHEDULE 3, PART B. GENERATOR INFORMATION – EXISTING GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)			Generator (b)			Generator (c)		
	Planned Effective Date (MM-YYYY)									
17f	Planned Generator Retirement Date (MM-YYYY)									
FUEL SWITCHING AND CO-FIRING CAPABILITY										
18	Can This Generator be Powered by Multiple Fuels?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If No, Skip to SCHEDULE 3, PART C.			If No, Skip to SCHEDULE 3, PART C.			If No, Skip to SCHEDULE 3, PART C.		
19	Can This Unit Co-Fire Fuels?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If No, Skip to Line 23.			If No, Skip to Line 23.			If No, Skip to Line 23.		
20	Fuel Options for Co-Firing	a	b	c	a	b	c	a	b	c
		d	e	f	d	e	f	d	e	f
21	Can This Generator be Powered by Co-Fired Fuel Oil and Natural Gas?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If Yes, Skip to Line 23.			If Yes, Skip to Line 23.			If Yes, Skip to Line 23.		
22	Can This Generator be Run on 100% Oil?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If Yes, Skip to Line 23.			If Yes, Skip to Line 23.			If Yes, Skip to Line 23.		
	If No, What is the Maximum Oil Heat Input When Co-Firing with Natural Gas?	_____ %			_____ %			_____ %		
	What is the Maximum Output Achievable (Net Summer Capacity in MW) When Making the Maximum Use of Oil and Co-Firing Natural Gas?	_____ MW			_____ MW			_____ MW		
23	Can This Unit Fuel Switch?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If No, Skip to Schedule 3, Part C.			If No, Skip to Schedule 3, Part C.			If No, Skip to Schedule 3, Part C.		
24	Can This Unit Switch Between Oil and Natural	[] Yes [] No			[] Yes [] No			[] Yes [] No		



Operator Name: _____
Plant Name: _____
Reporting as of December 31 of Year: _____

Operator ID: _____
Plant Code: _____

SCHEDULE 3, PART B. GENERATOR INFORMATION – EXISTING GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)			Generator (b)			Generator (c)		
	Gas?	If No, Skip to Line 26.			If No, Skip to Line 26.			If No, Skip to Line 26.		
	If Yes, Can the Unit Switch Fuels While Operating?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
	What is the Maximum Net Summer Output Achievable (MW) When Running on Natural Gas?	_____ MW			_____ MW			_____ MW		
	What is the Maximum Net Summer Output Achievable (MW) When Running on Fuel Oil?	_____ MW			_____ MW			_____ MW		
	How Much Time is Required to Switch This Unit From Using 100% Natural Gas to Using 100% Oil?	<input type="checkbox"/> 0 to 6 hours <input type="checkbox"/> over 6 to 24 hours <input type="checkbox"/> over 24 to 72 hours <input type="checkbox"/> over 72 hours. <input type="checkbox"/> Unknown or uncertain			<input type="checkbox"/> 0 to 6 hours <input type="checkbox"/> over 6 to 24 hours <input type="checkbox"/> over 24 to 72 hours <input type="checkbox"/> over 72 hours. <input type="checkbox"/> Unknown or uncertain			<input type="checkbox"/> 0 to 6 hours <input type="checkbox"/> over 6 to 24 hours <input type="checkbox"/> over 24 to 72 hours <input type="checkbox"/> over 72 hours. <input type="checkbox"/> Unknown or uncertain		
25	Are There Factors That Limit the Unit's Ability to Switch From Natural Gas to Oil?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
	If Yes, Check All Factors That Apply	<input type="checkbox"/> Limited on site fuel storage <input type="checkbox"/> Air Permit limits <input type="checkbox"/> Other			<input type="checkbox"/> Limited on site fuel storage <input type="checkbox"/> Air Permit limits <input type="checkbox"/> Other			<input type="checkbox"/> Limited on site fuel storage <input type="checkbox"/> Air Permit limits <input type="checkbox"/> Other		
26	Fuel Switching Options	a	b	c	a	b	c	a	b	C
		d	e	f	d	e	f	d	e	f



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

Reporting as of December 31 of Year: _____

SCHEDULE 3, PART C. GENERATOR INFORMATION – PROPOSED GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)				Generator (b)				Generator (c)			
1	Generator Nameplate Capacity (AC MW)												
2	Net Capacity (AC MW)	Summer:				Summer:				Summer:			
		Winter:				Winter:				Winter:			
3a	Maximum Expected Reactive Power Output (MVAR) [Leave Blank if Uncertain]												
3b	Maximum Expected Reactive Power Absorption (MVAR) [Leave Blank if Uncertain]												
4	Status Code												
5	Planned Original Effective Date (MM-YYYY)												
6	Planned Current Effective Date (MM-YYYY)												
7	Will This Generator be Associated with a Combined Heat and Power System?	<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
8	Will This Generator be Part of a Solid Fuel Gasification System?	<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
9	Is This Generator Part of a Site That Was Previously Reported as Indefinitely Postponed or Cancelled?	<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
PLANNED ENERGY SOURCES													
10	Expected Predominant Energy Source												
11	If coal-fired or petroleum coke fired, check all combustion technologies that apply to the associated boiler(s) and steam conditions	<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
		<input type="checkbox"/> Pulverized coal		<input type="checkbox"/> Fluidized Bed		<input type="checkbox"/> Sub-critical		<input type="checkbox"/> Super-critical		<input type="checkbox"/> Ultra super-critical		<input type="checkbox"/> Carbon-capture	
12	Expected Second Most Predominant Energy Source												
13	Other Energy Sources	a	b	c	d	a	b	c	d	a	b	c	d



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

Reporting as of December 31 of Year: _____

SCHEDULE 3, PART C. GENERATOR INFORMATION – PROPOSED GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)			Generator (b)			Generator (c)		
14	Number of Turbines, Buoys, or Inverters									
FUEL SWITCHING AND CO-FIRING CAPABILITY										
15	Will This Generator be Able to be Powered by Multiple Fuels?	[] Yes [] No [] Undetermined			[] Yes [] No [] Undetermined			[] Yes [] No [] Undetermined		
		If No or Undetermined, Skip to SCHEDULE 4.			If No or Undetermined, Skip to SCHEDULE 4.			If No or Undetermined, Skip to SCHEDULE 4.		
16	Will this Unit be Able to Co-Fire Fuels?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If No, Skip to Line 20.			If No, Skip to Line 20.			If No, Skip to Line 20.		
17	Fuel Options for Co-Firing	a	b	c	a	b	c	a	b	c
		d	e	f	d	e	f	d	e	f
18	Will This Generator be Able to be Powered by Co-Fired Fuel Oil and Natural Gas?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If No, Skip to Line 20.			If No, Skip to Line 20.			If No, Skip to Line 20.		
19	Will This Generator be able to Run on 100% Oil?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If Yes, Skip to Line 20.			If Yes, Skip to Line 20.			If Yes, Skip to Line 20.		
	If No, What is the Expected Maximum Oil Heat Input When Co-Firing with Natural Gas?	_____ %			_____ %			_____ %		
	What is the Expected Maximum Output Achievable (Net Summer Capacity in MW) When Making the Maximum Use of Oil and Co-Firing Natural Gas?	_____ MW			_____ MW			_____ MW		
20	Will This Unit be Able to Fuel Switch?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
		If No, Skip to Schedule 4.			If No, Skip to Schedule 4.			If No, Skip to Schedule 4.		
21	Will This Unit be Able to	[] Yes [] No			[] Yes [] No			[] Yes [] No		



Operator Name: _____
Plant Name: _____
Reporting as of December 31 of Year: _____

Operator ID: _____
Plant Code: _____

SCHEDULE 3, PART C. GENERATOR INFORMATION – PROPOSED GENERATORS
(COMPLETE ONE COLUMN FOR EACH GENERATOR, BY PLANT)

		Generator (a)			Generator (b)			Generator (c)		
	Switch Between Oil and Natural Gas?	If No, Skip to Line 23.			If No, Skip to Line 23.			If No, Skip to Line 23.		
	If Yes, Will this Unit be Able to Switch Fuels While Operating?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
	What is the Expected Maximum Net Summer Output Achievable (MW) When Running on Natural Gas?	_____ MW			_____ MW			_____ MW		
	What is the Expected Maximum Net Summer Output Achievable (MW) When Running on Fuel Oil?	_____ MW			_____ MW			_____ MW		
	How Much Time is Expected to be Required to Switch This Unit From Using 100% Natural Gas to Using 100% Oil?	<input type="checkbox"/> 0 to 6 hours <input type="checkbox"/> over 6 to 24 hours <input type="checkbox"/> over 24 to 72 hours <input type="checkbox"/> over 72 hours. <input type="checkbox"/> Unknown or uncertain			<input type="checkbox"/> 0 to 6 hours <input type="checkbox"/> over 6 to 24 hours <input type="checkbox"/> over 24 to 72 hours <input type="checkbox"/> over 72 hours. <input type="checkbox"/> Unknown or uncertain			<input type="checkbox"/> 0 to 6 hours <input type="checkbox"/> over 6 to 24 hours <input type="checkbox"/> over 24 to 72 hours <input type="checkbox"/> over 72 hours. <input type="checkbox"/> Unknown or uncertain		
22	Are There Factors That Will Limit the Unit's Ability to Switch From Natural Gas to Oil?	[] Yes [] No			[] Yes [] No			[] Yes [] No		
	If Yes, Check All Factors That Apply	<input type="checkbox"/> Limited on site fuel storage. <input type="checkbox"/> Air Permit limits <input type="checkbox"/> Other			<input type="checkbox"/> Limited on site fuel storage. <input type="checkbox"/> Air Permit limits <input type="checkbox"/> Other			<input type="checkbox"/> Limited on site fuel storage. <input type="checkbox"/> Air Permit limits <input type="checkbox"/> Other		
23	Fuel Switching Options	a	b	c	a	b	c	a	b	C
		d	e	f	d	e	f	d	e	f



Operator Name: _____

Operator ID: _____ Reporting as of December 31 of Year: _____

SCHEDULE 4. OWNERSHIP OF GENERATORS OWNED JOINTLY OR BY OTHERS

PLANT NAME (a)	
EIA PLANT CODE (b)	
OPERATOR'S GENERATOR IDENTIFICATION (c)	

IF JOINTLY OWNED – OWNER NAME AND CONTACT INFORMATION (d)

Owner/Joint Owner 1: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 2: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 3: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 4: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 5: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 6: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 7: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 8: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 9: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA OWNER CODE:	
Joint Owner 10: Name		% OWNED (e):	
Street Address			
City, State and Zip Code		EIA CODE:	
		Total	100%



Operator Name: _____

Operator ID: _____ Reporting as of December 31 of Year: _____

SCHEDULE 5. NEW GENERATOR INTERCONNECTION INFORMATION
(COMPLETE FOR EACH GENERATOR THAT ENTERED SERVICE DURING CALENDAR YEAR 2010)

LINE				
1	Plant Name and EIA Plant Code	Name:	Name:	Name:
		Code:	Code:	Code:
2	Generator ID			
3	Date of Actual Generator Interconnection (MM-YYYY)			
4	Date of Initial Interconnection Request (MM-YYYY)			
5	Interconnection Site Location	City:	City:	City:
		State:	State:	State:
6	Grid Voltage At The Point Of Interconnection (kV)			
7	Owner of the Transmission or Distribution Facilities to Which Generator is Interconnected			
8	Total Cost Incurred for the Direct, Physical Interconnection (Thousand \$)			
9	Equipment Included in the Direct Interconnection Cost (Check All of the Following that Apply)			
	a. Transmission or Distribution Line	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	b. Transformer	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	c. Protective Devices	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	d. Substation or Switching Station	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	e. Other Equipment (specify in SCHEDULE 7. COMMENTS)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
10	a. Total Cost for Other Grid Enhancements/ Reinforcements Needed to Accommodate Power Deliveries From the Generator (Thousand \$)			
	b. Will This Cost Be Repaid?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
11	Were Specific Transmission Use Rights Secured as a Result of the Interconnection Costs Incurred?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

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SCHEDULE 6. BOILER INFORMATION
PART A. PLANT CONFIGURATION
(FOR PLANTS EQUAL TO OR GREATER THAN 10 MW BUT LESS THAN 100 MW,
COMPLETE ONLY LINES 1, 2, 3 AND, IF APPLICABLE, LINES 5 AND 6)

LINE	EQUIPMENT TYPE	EQUIPMENT IDENTIFICATION (a)	EQUIPMENT IDENTIFICATION (b)	EQUIPMENT IDENTIFICATION (c)	EQUIPMENT IDENTIFICATION (d)	EQUIPMENT IDENTIFICATION (e)
1	Boiler ID(s)					
2	Associated Generator ID(s)					
3	Generator Associations with Boiler as Actual or Theoretical					
4	Associated Cooling System ID(s)					
5	Associated Flue Gas Particulate Collector ID(s)					
6	Associated Flue Gas Desulfurization Unit ID(s)					
7	Associated Flue ID(s)					
8	Associated Stack ID(s)					



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Operator ID: _____

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Plant Code: _____

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SCHEDULE 6, PART B. BOILER INFORMATION – AIR EMISSION STANDARDS
(DATA NOT REQUIRED FOR PLANTS LESS THAN 100 MW)
(COMPLETE A SEPARATE PAGE FOR EACH BOILER)

LINE				
1	Boiler ID			
2a	Type Of Boiler Standards Under Which The Boiler Is Operating (use codes)	D [] Da [] Db [] Dc [] N []		
2b	Is Boiler Operating Under a New Source Review (NSR) Permit?	[] Yes [] No		
	If Yes, list date (MM-YYYY) and identification number of the issued permit	Date	Permit Number	
	CATEGORY	PARTICULATE MATTER (a)	SULFUR DIOXIDE (b)	NITROGEN OXIDES (c)
3	Type of Statute or Regulation (use codes)	FD [] ST [] LO [] NA []	FD [] ST [] LO [] NA []	FD [] ST [] LO [] NA []
	Emission Standard Specified			
4a	Emission Rate			
4b	Percent Scrubbed	N/A		N/A
4c	Enter "N/A" if no Standard Specified			
5	Unit of Measurement Specified (use codes)			
6	Time Period Specified (use codes)			
7	Year Boiler Was or is Expected to Be in Compliance With Federal, State and/or Local Regulation			
8	If Not in Compliance with Nitrogen Oxides Standard, Strategy for Compliance (use codes)	N/A	N/A	
9	Select Existing Strategies to meet the Sulfur Dioxide and Nitrogen Oxides Requirements of Title IV of the Clean Air Act Amendment of 1990 (use codes)	N/A		
10	Select Planned Strategies to meet the Sulfur Dioxide and Nitrogen Oxides Requirements of Title IV of the Clean Air Act Amendment of 1990 (use codes)	N/A		



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SCHEDULE 6, PART C. BOILER INFORMATION – DESIGN PARAMETERS
(DATA FOR LINES 3 – 18 NOT REQUIRED FOR PLANTS LESS THAN 100 MW)
(COMPLETE A SEPARATE PAGE FOR EACH BOILER)

LINE		
1	Boiler ID	
2	Boiler Status (use codes)	
3	Boiler Actual or Projected Date of Commercial Operation (MM-YYYY)	
4	Boiler Actual or Projected Retirement Date (MM-YYYY)	
5	Boiler Manufacturer (use code)	
6	Type of Firing Used with Primary Fuels (use codes)	
7	Maximum Continuous Steam Flow at 100 Percent Load (thousand pounds per hour)	
8	Design Firing Rate at Maximum Continuous Steam Flow for Coal (nearest 0.1 ton per hour)	
9	Design Firing Rate at Maximum Continuous Steam Flow for Petroleum (nearest 0.1 barrels per hour)	
10	Design Firing Rate at Maximum Continuous Steam Flow for Gas (nearest 0.1 thousand cubic feet per hour)	
11	Design Firing Rate at Maximum Continuous Steam Flow for other (specify fuel and unit in SCHEDULE 7. COMMENTS)	
12	Design Waste Heat Input Rate at Maximum Continuous Steam Flow (million Btu per hour)	
13	Primary Fuels Used in Order of Predominance (use codes)	
14	Boiler Efficiency When Burning Primary Fuel at 100 Percent Load (nearest 0.1 percent)	
15	Boiler Efficiency When Burning Primary Fuel at 50 Percent Load (nearest 0.1 percent)	
16	Total Air Flow Including Excess Air at 100 Percent Load (cubic feet per minute at standard conditions)	
17	Wet Or Dry Bottom (for coal-capable boilers), (enter "W" for Wet or "D" for Dry)	
18	Fly Ash Re-injection (enter "Y" for Yes or "N" for No)	



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**SCHEDULE 6, PART D. BOILER INFORMATION – NITROGEN OXIDE EMISSION CONTROLS
(COMPLETE A SEPARATE PAGE FOR EACH BOILER)**

1	Boiler ID	
---	-----------	--

2	Nitrogen Oxide Control Status (use codes)	
---	---	--

NITROGEN OXIDE CONTROL EQUIPMENT AND OR PROCESS

3	Low Nitrogen Oxide Control Process (use codes)	
---	--	--

4	Manufacturer of Low Nitrogen Oxide Control Burners (use code)	
---	---	--

SCHEDULE 6, PART E. BOILER INFORMATION – MERCURY EMISSION CONTROLS

1	Does This Boiler Have Mercury Emission Controls?	Yes []	No []
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2	If "Yes," Enter All Available Emission Controls Separated by Commas (use codes)	
---	---	--



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

Reporting as of December 31 of Year: _____

SCHEDULE 6, PART F. COOLING SYSTEM INFORMATION - DESIGN PARAMETERS
(DATA NOT REQUIRED FOR PLANTS LESS THAN 100 MW)
(COMPLETE A SEPARATE PAGE FOR EACH COOLING SYSTEM)

LINE		
1	Cooling System ID (as reported on SCHEDULE 6, PART A, Line 4)	
2	Cooling System Status (use codes)	
3	Cooling System Actual or Projected In-Service Date of Commercial Operation (MM-YYYY)	
4a	Type of Cooling System (use codes)	
4b	For Hybrid Cooling Systems, Indicate Percent of Cooling Load Served by Dry Cooling Components	
5a	Source (Name) of Cooling Water Including Makeup Water (if discharge is into different water body, specify in SCHEDULE 7. COMMENTS)	
5b	Type of Cooling Water Source (use codes)	
5c	Type of Cooling Water (use codes)	
6	Design Cooling Water Flow Rate at 100 percent Load at Intake (cubic feet per second)	
7	Actual or Projected In-Service Date for Chlorine Discharge Control Structures and Equipment (MM-YYYY)	
COOLING PONDS		
8	Actual or Projected In-Service Date (month and year of commercial operation (MM-YYYY))	
9	Total Surface Area (acres)	
10	Total Volume (acre-feet)	
COOLING TOWERS		
11	Actual or Projected In-service Date (MM-YYYY)	
12	Type of Towers (use codes)	
13	Maximum Design Rate of Water Flow at 100 Percent Load (cubic feet per second)	
14	Maximum Power Requirement at 100 Percent Load (megawatts)	
INSTALLED COST OF COOLING SYSTEM EXCLUDING LAND AND CONDENSERS (thousand dollars)		
15	Total System	



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16	Ponds (if applicable)		
17	Towers (if applicable)		
18	Chlorine Discharge Control Structures and Equipment (if applicable)		
COOLING WATER INTAKE AND OUTLET LOCATIONS			
	ITEM	INTAKE (a)	OUTLET (b)
19	Maximum Distance from Shore (feet)		
20	Average Distance below Water Surface (feet)		



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SCHEDULE 6, PART G. FLUE GAS PARTICULATE COLLECTOR INFORMATION
(COMPLETE A SEPARATE PAGE FOR EACH FLUE GAS PARTICULATE COLLECTOR)

LINE		
1	Flue Gas Particulate Collector ID (as reported on SCHEDULE 6, PART A line 5)	
2	Flue Gas Particulate Collector Actual or Projected In-Service Date of Commercial Operation (MM-YYYY)	
3	Flue Gas Particulate Collector Status (use code)	
4	Type of Flue Gas Particulate Collector (use codes)	
5	Installed Cost of Flue Gas Particulate Collector Excluding Land (thousand dollars)	
DESIGN FUEL SPECIFICATIONS FOR ASH (AS BURNED, TO NEAREST 0.1 PERCENT BY WEIGHT)		
6	For Coal	
7	For Petroleum	
DESIGN FUEL SPECIFICATIONS FOR SULFUR (AS BURNED, TO NEAREST 0.1 PERCENT BY WEIGHT)		
8	For Coal	
9	For Petroleum	
DESIGN SPECIFICATIONS AT 100 PERCENT GENERATOR LOAD		
10	Collection Efficiency (to nearest 0.1 percent)	
11	Particulate Emission Rate (pounds per hour)	
12	Particulate Collector Gas Exit Rate (actual cubic feet per minute)	
13	Particulate Collector Gas Exit Temperature (degrees Fahrenheit)	



Operator Name: _____

Operator ID: _____

Plant Name: _____

Plant Code: _____

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SCHEDULE 6, PART H. FLUE GAS DESULFURIZATION UNIT INFORMATION (INCLUDING COMBUSTION TECHNOLOGIES)
(COMPLETE A SEPARATE PAGE FOR EACH FLUE GAS DESULFURIZATION UNIT)

LINE		
1	Flue Gas Desulfurization Unit ID (as reported on SCHEDULE 6, PART A line 6)	
2	Flue Gas Desulfurization Unit Status (use codes)	
3	Flue Gas Desulfurization Unit Actual or Projected In-Service Date of Commercial Operation (MM-YYYY)	
4	Type of Flue Gas Desulfurization Unit (use code)	
5	Type of Sorbent (use code)	
6	Salable Byproduct Recovery (enter "Y" for Yes or "N" for No)	
7	Flue Gas Desulfurization Unit Manufacturer (use code)	
8	Annual Pond and Land Fill Requirements (nearest acre foot per year)	
9	Is Sludge Pond Lined (enter "Y" for Yes, "N" for No, or "NA" for Not Applicable)	
10	Can Flue Gas Bypass Flue Gas Desulfurization Unit (enter "Y" for Yes or "N" for No)	
DESIGN FUEL SPECIFICATIONS FOR COAL		
11	Ash (to nearest 0.1 percent by weight)	
12	Sulfur (to nearest 0.1 percent by weight)	
NUMBER OF FLUE GAS DESULFURIZATION UNIT SCRUBBER TRAINS (OR MODULES)		
13	Total	
14	Operated at 100 Percent Load	
DESIGN SPECIFICATIONS OF FLUE GAS DESULFURIZATION UNIT AT 100 PERCENT GENERATOR LOAD		
15	Removal Efficiency for Sulfur Dioxide (to nearest 0.1 percent by weight)	
16	Sulfur Dioxide Emission Rate (pounds per hour)	
17	Flue Gas Exit Rate (actual cubic feet per minute)	
18	Flue Gas Exit Temperature (degrees Fahrenheit)	
19	Flue Gas Entering Flue Gas Desulfurization Unit (percent of total)	
INSTALLED COST OF FLUE GAS DESULFURIZATION UNIT, EXCLUDING LAND (THOUSAND DOLLARS)		
20	Structures and Equipment	
21	Sludge Transport and Disposal System	
22	Other (installed cost of flue gas desulfurization unit)	



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Total (sum of lines 20, 21, 22)



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SCHEDULE 6, PART I. STACK AND FLUE INFORMATION - DESIGN PARAMETERS
(DATA NOT REQUIRED FOR PLANTS LESS THAN 100 MW)
(COMPLETE A SEPARATE PAGE FOR EACH STACK AND FLUE)

LINE		
1	Flue ID (as reported on SCHEDULE 6, PART A line 8)	
2	Stack ID (as reported on SCHEDULE 6, PART A line 7)	
3	Stack (or Flue) Actual or Projected In-Service Date of Commercial Operation (MM-YYYY)	
4	Status of Stack (or Flue) (use code)	
5	Flue Height at Top from Ground Level (feet)	
6	Cross-Sectional Area at Top of Flue (nearest square foot)	
DESIGN FLUE GAS EXIT (AT TOP OF STACK)		
7	Rate at 100 Percent Load (actual cubic feet per minute)	
8	Rate at 50 Percent Load (actual cubic feet per minute)	
9	Temperature at 100 Percent Load (degrees Fahrenheit)	
10	Temperature at 50 Percent Load (degrees Fahrenheit)	
11	Velocity at 100 Percent Load (feet per second)	
12	Velocity at 50 Percent Load (feet per second)	
ACTUAL SEASONAL FLUE GAS EXIT TEMPERATURE (DEGREES FAHRENHEIT)		
13	Summer Season	
14	Winter Season	
15	Source (enter "M" for measured or "E" for estimated)	
STACK LOCATION		
16	Stack Location - Latitude	
17	Stack Location - Longitude	
18	Enter Datum for Latitude and Longitude, if Known; Otherwise Enter "UNK"	

