U.S. Department of Energy Energy Information Administration Form EIA-860 (2005)	*ANNUAL ELECTRIC GENERATOR REPORT*	Form Approved OMB No. 1905-0129 Approval Expires

PURPOSE

Form EIA-860 collects data on the status of existing electric generating plants and associated equipment in the United States, and those scheduled for initial commercial operation within 5 years of the filing of this report. The data from this form appear in several EIA publications, including ~~*Inventory of Electric Utility Power Plants in the United States*~~*Electric Power Monthly*, *Electric Power Annual,* and the *Annual Energy Review.* The data collected on this form are used to monitor the current status and trends of the electric power industry and to evaluate the future of the industry.

REQUIRED RESPONDENTS

~~The Form EIA-860 is to be completed for all electric generating plants, which have or will have a nameplate rating of 1 megawatt (1000 kW) or more, and are operating or plan to be operating within 5 years of the year of this form. The operator (or planned operator) of jointly-owned plants should be the only respondent for those plants.~~

All existing plants and proposed (5-year plans) plants that: 1) have a total generator nameplate capacity (sum for generators at a single site) of 1 MW or greater; and 2) where the generaor(s), or the facility in which the generator(s) resides is connected to the local or regional electric power grid and has the ability to draw power from the grid or deliver power to the grid are reported on Form EIA-860.

The operator or planned operator of jointly-owned plants should be the only respondent for those plants.

RESPONSE DUE DATE

Submit the completed Form EIA-860 directly to the EIA annually, on or before February 15.

METHODS OF FILING RESPONSE

Submit your data electronically using EIA's secure Internet Data Collection system (IDC). This system uses security protocols to protect information against unauthorized access during transmission.

- If you have not registered with EIA's Single Sign-On system, send an e-mail requesting assistance to: EIA-860@eia.doe.gov.
- If you have registered with Single Sign-On, log on at https://signon.eia.doe.gov/ssoserver/login
- If you are having a technical problem with logging into the IDC or using the IDC contact the IDC Help Desk for further information. Contact the Help Desk at:

  E-Mail: CNEAFhelpcenter@eia.doe.gov

  Phone: 202-287-1333
- If you need an alternate means of filing your response, contact the Help Desk.

Retain a completed copy of this form for your files.

CONTACTS

Internet System Questions: For questions related to the Internet Data Collection system, see the help contact information immediately above.

Data Questions: For questions about the data requested on Form EIA-860, contact:

Kenneth McClevey
Telephone Number: (202) 287-1732
FAX Number: (202) 287-1960
Email: EIA-860@eia.doe.gov

GENERAL INSTRUCTIONS

Submit the completed Form EIA-860 directly to the EIA annually, on or before February 15.~~(for 2003 reporting year, March 28). Respondents who designate an agent or agents to file on their behalf should complete Schedule 6 and submit it directly to the EIA on or before January 15 (for 2003 reporting year, March 17) of the reporting calendar year. The submittal date of the completed Form EIA-860 by these respondents is determined by the agent(s) and takes precedence provided that date is prior to February 15 of the reporting calendar year.~~

1. Verify all preprinted information, including company and plant name, and plant and generator identification number. If incorrect, revise the incorrect entry and provide the correct information. State codes are two-letter U.S. Postal Service abbreviation. Provide any missing information. If filing a paper copy of this form, ~~T~~typed or legible handwritten entries are acceptable. Allow the original entry to remain readable. See more specific instructions for correcting data in Schedule 2, “Power Plant Data,” and Schedule 3, “Generator Information.”

2. Check all data for consistency with the same or related data that appear in more than one schedule of this or other forms or reports submitted to EIA. Explain any inconsistencies under Schedule ~~56~~, "Footnotes.”

3. For planned power plants or generators, use planning data to complete the form.

4. Report in whole numbers (i.e., no decimal points), except where explicitly instructed to report otherwise.

5. Indicate negative amounts by using a minus sign before the number.

6. Report date information as a two-digit month and four-digit year, e.g., “11 - 1980.”

7. Furnish the requested information to reflect the status of your current or planned operations as of the beginning of the reporting calendar year. **If the company no longer operates a specific power plant, report the current operator under Schedule 56, "Footnotes.” Do not complete the form for that power plant.**

8. To request additional blank schedules contact the Energy Information Administration using the contact information on page i.

ITEM-BY-ITEM INSTRUCTIONS Continued

Schedule 1. Identification

1. For line 1, **Legal Name of Operator**, verify the name.

2. For line 2, **Current Address of Principal Business Office of Plant Operator**, verify the principal name and address to which this form should be mailed. Include an attention line, room number, building designation, etc., to facilitate the future handling and processing of this form (EIA-860).

3. For line 3, **Preparer's Legal Name,** verify the name to which this form should be mailed if different from line 1.

4. For line 4**, Current Mailing Address of Preparer's Office**, verify the address to which this form should be mailed. Include an attention line, room number, building designation, etc., to facilitate the future handling and processing of this form (EIA-860), if preparer is different from operator in line 1.

~~5. For line 5, **Type of Reporting Entity,** indicate either regulated or unregulated. See Glossary for definition of regulated and unregulated entities.~~

6. For line 5, **If Reporting Entity is an Electric Utility** , ~~if in line item 5, reporting entity was marked as being regulated~~, enter an "X" for the appropriate class of ownership. .

Schedule 2. Power Plant Data

Verify or complete one section for each existing power plant and each power plant planned for initial operation within 5 years. To report a new plant or a plant that is not already identified on the preprinted form, use a separate (blank) section of Schedule 2.

1. For line 1**, Plant Name** and ~~**Street Address**~~**EIA Plant Code**, enter the official or legal name ~~and street address~~ of the power plant, and enter or verify the EIA Plant code for the power plant. ~~Enter "NA 1," "NA 2," etc., for planned facilities that have no name(s).~~ Each power plant must be uniquely identified. The type of plant does not need to be a part of the plant name, e.g., "Plant x Hydro" needs to be reported as "Plant x" only. The type of plant is recognized by the prime mover code(s) reported in Schedule 3, Generator Information. There may be more than one prime mover type associated with a single plant name (single site). Enter "NA 1," "NA 2," etc., for planned facilities that have no name(s).

2. For line 2, ~~**EIA Plant Code**~~**Street Address**, enter or verify the ~~EIA Plant Code~~ street address of ~~for~~ the power plant.

3. For line 3, **County Name and City Name**, enter the county and city in which the plant is (will be) located. Enter "NA" for planned facilities that have not been sited. If a mobile power plant indicate with a footnote on Schedule ~~56~~.

4. For line 4, **State**, enter the two-letter U.S. Postal Service abbreviation for the State in which the plant is located. Enter "NA" for planned facilities for which the State has not been determined. If the State is "NA," the county name must be "NA."

5. For line 5, **Zip Code**, enter the zip code of the plant. Provide, at a minimum, the five-digit zip code; however, the nine-digit code is preferred.

~~6.~~ For line 6, **Latitude and Longitude**, enter the latitude and longitude of the plant in degrees, minutes, and seconds. ~~For line 7, **Longitude**, enter the longitude of the plant in degrees, minutes, and seconds.~~

7. For line 7, Enter Datum for Latitude and Longitude, if Known; Otherwise Enter "NA":

The longitude and latitude measurement for a location depends in part on the coordinate system (or "datum") the measurement is keyed to. "Datum systems" used in the United States, include the North American Datum 1927 (NAD27) and North American Datum 1983 (NAD83).

If you know the datum system for the plant longitude and latitude, enter the system name (e.g., NAD 83) on line 7. If you do not know the datum system used, enter NA.

(For background information on datums and their uses, see: http://biology.usgs.gov/geotech/documents/datum.html)

ITEM-BY-ITEM INSTRUCTIONS Continued

Schedule 2. Power Plant Data (Continued)

8. For line 8, **NERC Region and NERC Subregion**, enter the NERC region and subregion in which the plant is located. A map of the NERC regions can be found on the Internet URL: http://www.eia.doe.gov/cneaf/electricity/chg_str_fuel/html/fig02.html.

9. For line 9, **Name of Water Source**, enter the name of the principal source from which cooling water for thermal-electric plants and water for generating power for hydroelectric plants is directly obtained. If more than one water source is (will be) used, enter the name(s) of the other sources of water under "Notes." Enter "Municipality" if the water is from a municipality. Enter "wells" if water is from wells. Enter "NA" for planned facilities for which the water source is not known.

10. For line 10, **Primary Purpose of the Plant**, enter the North American Industry Classification System (NAICS) code that best describes the primary purpose of the reporting plant. Electric utility plants will generally use code 22. Independent Power producers whose sole or primary business is the sale of electricity will also generally use code 22. For industrial and commercial generators whose primary business is an industrial or commercial processes (e.g., paper mills, refineries, chemical plants, etc.), use the table on pages 16 and 17 to select a NAICS code.

11. For line 11, **For Independent Power Producers and Combined Heat and Power Producers Only**, enter the name of the electric utility ~~(regulated) entity~~ service area within which the facility is interconnected. If the plant is not connected, to this utility, ~~enter "Not Connected" after utility~~ check the appropriate box.

Schedule 3. Generator Information

1. Verify or complete for each existing or planned generator. Complete one column for each generator (up to three generators can be reported on one page) for all generators that are ~~as determined by the following~~: (1) is in commercial operation (whether active or inactive), or (2) is expected to be in commercial operation within 5 years and is either planned, under construction, or in testing stage. Do not report auxiliary generators.

2. To report a new generator, use a separate (blank) section of Schedule 3. To report a new generator that has replaced one that is no longer in service, update the status of the generator that has been replaced along with other related information (e.g., retirement date), then use a separate (blank) section of Schedule 3 to report all of the applicable data about the new generator. Each generator must be uniquely identified within a plant. The EIA cannot use the same generator ID for the new generator that was used for the generator that was replaced.

Schedule 3. Generator Information, Part A. Generators

1. For line 1, **Plant Name**, enter the official or legal name of the power plant as reported on Schedule 2.

2. For line 2, **EIA Plant Code**, enter the EIA plant code as reported on Schedule 2.

3. For line 3, **Operator's Generator Identification**, enter the unique generator identification commonly used by plant management. Generator identification can have a maximum of four characters, and should be the same identification as reported on other EIA forms to be uniquely defined within a plant.

4. For line 4, **EIA Generator Code** is a code that will be assigned by EIA for its internal data processing purposes.

5. For line 5**, Prime Mover**, enter one of the prime mover codes below. For combined cycle units a prime mover code must be entered for each generator.

Prime Mover Code	Prime Mover Description
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part (type of coal must be reported as energy source for integrated coal)
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle Total Unit (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided)
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine – Reversible (pumped storage)
BT	Turbines Used in a Binary Cycle (such as used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other
NA	Unknown at this time (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided.)

6. For line 6, **Unit Code** (Multi-generator code), identify all generators that are operated with other generators as a single unit. (Identify generators in Schedule 6, "Footnotes.") Generators operating as a single unit should have the same four-character unit (multi-generator code) code. These generators should have a single heat rate and (aggregate) capacity reported. The four-character unit code is entered by EIA. If generators do not operate as a single unit, this space should be left blank.

7. For line 7, **Ownership**, identify the ownership for each generator using the following codes: "S" for single ownership by respondent, "J" for jointly owned with another entity, or "W" for wholly owned by an entity other than respondent.

8. For line 8, **Is Any Part of this Generator Owned by an Entity that is Not an Electric Utility**, for each generator, check "yes" if any owner of the generator is not an electric utility, even if that owner(s) does not own a majority share of the generator; otherwise check "no". (See Glossary for definition of utility.)

9. For line 9, **Date of Sale, If Sold**, enter the month and year of the sale of the generator (e.g., 12-2001).

10. If data for line 9 are entered, the Legal Name, Business Address, Contact Person, and Telephone of the Entity to Which this Generator was Sold, must be reported in Schedule 6, Footnotes.

11. For line 10, **Can This Generator Put Power on the Transmission Grid**, indicate if the generator can or cannot put power onto the transmission grid.

Schedule 3. Generator Information, Part B. Existing Generators

1. For line 1, **Generator Nameplate Capacity**, report the highest value on the nameplate in megawatts rounded to the nearest tenth. If the nameplate capacity is expressed in kilovolt amperes (kVA), convert to kilowatts by multiplying the power factor by the kVA, divide by 1000 to express in megawatts to the nearest tenth.

2. For line 2, **Net Capacity,** enter the generator's (unit's) summer and winter net capacities for the primary energy sources. Report in megawatts, rounded to the nearest tenth. For generators that are out of service for an extended period or on standby or have no generation during the respective seasons report the estimated capacities based on historical performance.

3. For line 3, **Maximum Reactive Output (MVAR)**, enter maximum lagging reactive power output (MVARs) the generator is expected to achieve at the maximum expected real power output from the generator. Enter the values for both summer and winter conditions, even if the value does not differ by season. (A MVAR is a Mega Voltampere Reactive (1 million voltamperes reactive.)

4. For line 4, **Status Code**, enter one of the following status codes:

Status Code	Status Code Description
BU	Backup - Used only for test purposes, or in the event of an emergency, such as a shortage of power needed to meet customer load requirements.
OP	Operating - in service (commercial operation) and producing some electricity.
SB	Standby - available for service but not normally used (has little or no generation during the year).
OS	Out of service - units that could not be used for the reporting year, but are expected to be returned to service in the future.
RE	Retired - no longer in service and not expected to be returned to service.

If a generator is used for both standby (SB) and back-up (BU) purposes, assign the SB status code.

5. For line 5, **Synchronized to the Grid**, If the status code entered on line 5 is standby or back-up, please note if the generator is synchronized to the grid or not.

6. For line 6, **Initial Date of Operation**, enter the month and year of initial commercial operation.

7. For Line 7, **Retirement Date,** enter the date the generator was retired in month and year format.

8. For line 8**, Is this generator associated with a Combined Heat and Power ~~Producer~~system (fuel input is used to produce both electricity and useful thermal output)**, check either "Yes" or "No".

9. For line 9, **Distributed Generator**, check "Yes" if the generator is considered to be a distributed generator, or check "No" otherwise.

10. For line 10a, **Predominant Energy Source**, enter the energy source code for the fuel used in the largest quantity (Btus) during the reporting year to power the generator. For generators that are out of service for an extended period of time or on standby, report the energy sources based on the generator's latest operating experience. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).

11. For line 10b, **Is this generator part of a solid fuel gasification system,** check yes or no as appropriate.

12. For line 11, **Operational Transportation Modes for Predominant Energy Source**, enter up to three codes for the principal methods of transportation for fuel to the plant for the predominant fuel used in each generator during the reporting period. Select from the list of Transportation Mode Codes on page 15.

13. For line 12, **Second Most Predominant Energy Source**, enter the energy source code for the energy source used in the second largest quantity (Btus) during the reporting year to power the generator. Include startup/flame stabilization fuels. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).

14. For line 13, **Operational Transportation Modes for Second Most Predominant Energy Source**, enter up to three codes for the principal methods of transportation for fuel to the plant for the second most predominant energy source used in each generator during the reporting period. Select from the list of Transportation Mode Codes on page 15.

15. For line 14, **Other Energy Sources**, enter the codes for other energy sources actually used, or which could have been used, to power the generator in the reporting year. Enter up to ten codes in order of quantity used (measured in Btus). Enter in order of their predominance of use, where predominance is based on quantity of Btu(s) consumed. Include energy source codes(s) that the generator was capable of using, although the energy source may not have been used for electricity generation during the last 12 months. For generators that are out of service for an extended period of time or on standby, report the energy sources based on the generator's latest operating experience. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).

16. For line 15, **If Energy Source is Wind**, enter the number of turbines.

17. For line 16, **Tested Heat Rate**, enter the tested heat rate under full load conditions for all generators that derive their energy from combustion or fission of fuel. Report the heat rate as the fuel consumed in British thermal units (Btus) necessary to generate one net kilowatthour of electric energy. Report the tested heat rate under full load, not the actual heat rate, which is the quotient of the total Btu(s), consumed and total net generation. If generators are tested as a unit (not tested individually), report the same test result for each generator. For generators that are out of service for an extended period or on standby, report the heat rate based on the unit's latest test.

18. For line 17, **Fuel Used for Heat Rate Test**, enter the fuel code or "M" for multiple fuels. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).

19. For line 18, **Ability to Use Multiple Fuels**, indicate if the combustion system that powers

each generator has, in working order, the equipment necessary to either co-fire fuels or fuel switch. If the answer is "No", skip to Schedule 3, Part C, for this generator. (Co-firing means the simultaneous use of two or more fuels by a single combustion system to meet load. Fuel switching means the ability of a combustion system running on one fuel to replace that fuel in its entirety with a substitute fuel. Co-firing and fuel switching exclude the limited use of a second fuel for start-up or flame stabilization.)

20. For line 19, **Ability to Co-Fire**, indicate whether or not the combustion system that powers the generator has, in working order, the equipment necessary to co-fire fuels.

21. For line 20, **Fuel Options for Co-Firing**, indicate up to nine fuels that can be co-fired. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

22. For line 21, **Ability to Co-Fire Oil and Gas**, indicate if the combustion system that powers the generator can co-fire fuel oil with natural gas. If it cannot, skip to line 23.

23. For line 22, **Ability to Co-Fire Oil**, indicate whether or not the combustion system that powers the generator can run on 100 percent oil. If yes, skip to line 23. If no, indicate the maximum percentage of the heat input to the combustion system (percent of MMBtu) that can be supplied by oil when co-firing with natural gas. Also provide the maximum output (summer net MW) that the unit can achieve, taking into account all applicable legal, regulatory, and technical limits, when making the maximum use of oil and co-firing natural gas.

24. For line 23, **Ability to Fuel Switch**, indicate whether or not the combustion system that powers the generator has, in working order, the equipment necessary to fuel switch. If no, then skip to Schedule 3, Part C, for this generator.

25. For line 24, **Oil – Gas Fuel Switching**, indicate a) whether or not the combustion system that powers the generator has, in working order, the equipment necessary to switch between oil and gas. If no, skip to line 29. If yes:

    b) Enter the maximum output (summer net MW) that the unit can achieve, taking into account all applicable legal, regulatory, and technical limits, when running on natural gas.
    c) Enter the maximum output (summer net MW) that the unit can achieve, taking into account all applicable legal, regulatory, and technical limits, when running on oil.
    d) Enter how long it takes to switch the genertor from using 100 percent natural gas to 100 percent oil.

26. For line 25, **Regulatory Limits on Operation**, indicate whether or not there are regulatory limits, related to pollution control, that limit the operation of each generator (e.g., limits on maximum output, limits on annual operating hours), when running on 100 percent oil.

27. For line 26, **Fuel Switching Options**, enter the codes for up to six fuels, including (if applicable) oil and gas, which can be used as a sole source of fuel to power each generator. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

~~16. For line 11, **Mode of Transportation for Fuel**, enter the principal method of transportation for fuel to the plant that corresponds to the first two reported energy sources. Select from the list of codes below:~~

~~Mode of Transportation Code~~	~~Mode of Transportation Description~~
~~CV~~	~~Conveyer~~
~~PL~~	~~Pipeline~~
~~RR~~	~~Railroad~~
~~TK~~	~~Truck~~

~~WA Water~~
~~UN Unknown at this time.~~

Schedule 3. Generator Information, Part ~~D~~C. Proposed Changes to Existing Generators

1. For line 1, **Status Code**, enter one of the following status codes:

Status Code	Status Code Description
FC	Existing generator planned for conversion to another fuel or energy source
RP	Proposed for life extension or repowering
A	Proposed generator capability increase (rerating or relicensing)
D	Proposed generator capability decrease (rerating or relicensing)
M	Generator to be put in deactivated shutdown status
RA	Previously retired or deactivated generator planned for reactivation
RT	Existing generator scheduled for retirement
CO	Proposed change of ownership (including change of shares of jointly-owned units)

2. For line 2, ~~**Maximum**~~ **Generator Nameplate Capacity**, enter the highest value on the nameplate in megawatts rounded to the nearest tenth.

3. For line 3, **Net Capacity**, enter the summer and winter capacities as specified below in megawatts rounded to the nearest tenth.

If Status Code is:	Then Enter:
FC	The change in capacity (if any) expected to be realized from the conversion to the new energy sources.
A, D, RP	The change in capacity (if any) expected to be realized from the modification to the equipment.
RA	The capacity expected to be realized once the previously retired generator is reactivated.
M, RT	The decrease (negative value) in capacity for the generator being deactivated or retired.

4. For Line 4, **Planned Original Effective Date,** enter the month and year of the original effective date that: 1) the generator was scheduled to start operation after modification or reactivation; 2) the change of ownership was effective; 3) the generator was scheduled for deactivated shutdown status; or 4) the generator was scheduled for retirement. (Please note that this date does not change once it has been reported the first time.)

5. For line 5, **Planned Current Effective Date,** enter the month and year of the current effective date that the generator is scheduled to start operation after modification or reactivation, the month and year that the change of ownership is effective, the month and year that the generator is scheduled for deactivated shutdown status, or the month and year that the generator is scheduled for retirement.

6. For line 6, **New Prime Mover**, for existing generators with a status code of "RP", enter the prime mover code that is applicable once the modification is complete if it will be different from the current prime mover. Use the codes for prime mover provided under "Prime Mover," Schedule 3, Part A.

7. For line 7a, **Expected Predominant Energy Source**, enter the energy source code for the energy source expected to be used in the largest quantity (Btus) when the change is realized. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

8. For line 7b, **Will this generator be part of a solid fuel gasification system**, check yes or no as appropriate.

9. For line 8, **Operational Transportation Modes for Predominant Energy Source**, enter the expected available methods of transportation for fuel to the plant for the predominant fuel used in each generator during the reporting period. Select from the list of Transportation Mode Codes on page 15.

10. For line 9, **Expected Second Most Predominant Energy Source,** enter the energy source code for the energy source expected to be used in the second largest quantity (Btus) when the change is realized. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

11. For line 10, **Operational Transportation Modes for Second Most Predominant Energy Source**, enter the expected available methods of transportation for fuel to the plant for the second most predominant fuel used in each generator when the change is realized. Select from the list of Transportation Mode Codes on page 15.

12. For line 11, **Other Energy Source Options**, enter the codes for other energy sources to be used at the plant to power the generator. Enter up to four codes in order of their expected predominance of use, where predominance is based on quantity of Btu(s) to be consumed. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

Schedule 3. Generator Information, Part ~~C~~D. Proposed Generator

1. For line 1, **~~Maximum~~ Generator Nameplate Capacity**, enter the highest value on the nameplate in megawatts rounded to the nearest tenth.

2. For line 2, **Net Capacity**, enter the summer and winter capacities as specified below in megawatts rounded to the nearest tenth.

If Status Code is:	**Then Enter:**
TS, P, L, T, U, V	The capacity expected to be realized when the generator starts commercial operation.

3. For line 3, **Maximum Reactive Output (MVAR)**, enter maximum reactive power output (MVAR's) the generator is expected to achieve at the maximum expected real power output from the generator. Enter the values for both summer and winter conditions, even if the value does not differ by season. (A MVAR is a Mega Voltampere Reactive.)

4. For line 4, **Status Code**, enter one of the following status codes:

Status Code	**Status Code Description**
IP	Planned new generator canceled, indefinitely postponed, or no longer in resource plan
TS	Construction complete, but not yet in commercial operation (including lower power testing of nuclear units)
P	Planned for installation but not under construction
L	Regulatory approval pending. Not under construction (started site preparation)
T	Regulatory approval received but not under construction
U	Under construction, less than or equal to 50 percent complete (based on construction time to date of operation)
V	Under construction, more than 50 percent complete (based on construction time to date of operation)
OT	Other (describe under "Notes")

5. For Line 5, **Planned Original Effective Date,** enter the month and year of the original effective date that: 1) the generator was scheduled to start operation after construction is completed. (Please note that this date does not change once it has been reported the first

time.)

6. For line 6, **Planned Current Effective Date,** enter the month and year of the current effective date that the generator is scheduled to start operation.

7. For line 7, **Will this generator be associated with a Combined Heat and Power ~~Producer~~ system (fuel input is used to produce both electricity and useful thermal output)?,** Check either "Yes" or "No."

8. For Line 8, **Distributed Generator**, check "Yes" if the generator is considered to be a distributed generator, and check "No" otherwise.

9. For line 9a, **Expected Predominant Energy Source**, enter the energy source code for the energy source expected to be used in the largest quantity (Btus) when the generator starts commercial operation. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

10. For line 9b, **Will this generator be part of a solid fuel gasification system,** check yes or no as appropriate.

11. For line 10, **Operational Transportation Modes for Predominant Energy Source**, enter the expected available methods of transportation for fuel to the plant for the predominant fuel used in each generator during the reporting period. Select from the list of Transportation Mode Codes on page15.

12. For line 11, **Expected Second Most Predominant Energy Source,** enter the energy source code for the energy sources expected to be used in the second largest quantity (Btus) when the generator starts commercial operation. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

13. For line 12, **Operational Transportation Modes for Second Most Predominant Energy Source**, enter the principal expected methods of transportation for fuel to the plant for the predominant fuel used in each generator when the generator starts commercial operation. Select from the list of Transportation Mode Codes on page 15.

14. For line 13, **Other Energy Source Options**, enter the codes for other energy sources that will be used at the plant to power the generator. Enter up to four codes in order of their expected predominance of use, where predominance is based on quantity of Btu(s) to be consumed. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

15. For line 14, **If Energy Sources is Wind**, enter the number of turbines.

16. ~~For line 10, **Mode of Transportation for Fuel,** see instructions for Schedule 3, Part B line 11.~~ For line 15, **Ability to Use Multiple Fuels**, indicate if the combustion system that will power each generator will have the equipment necessary to either co-fire fuels or fuel switch. If the answer is "No", skip to Schedule 3, Part D, for this generator. (Co-firing means the simultaneous use of two or more fuels by a single combustion system to meet load. Fuel switching means the ability of a combustion system running on one fuel to replace that fuel in its entirety with a substitute fuel. Co-firing and fuel switching exclude the limited use of a second fuel for start-up flame stabilization.)

17. For line 16, **Ability to Co-Fire**, indicate whether or not the combustion system that will power the generator will have the equipment necessary to co-fire fuels.

18. For line 17, **Fuel Options for Co-Firing**, indicate up to six fuels that the generator may be designed to co-fire. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

19. For line 18, **Ability to Co-Fire Oil and Gas**, indicate if the combustion system that powers the generator will be able to co-fire fuel oil with natural gas. If it cannot, skip to line 20.

20. For line 19, **Ability to Co-Fire Oil,** indicate whether or not the combustion system that will power the generator can run on 100 percent oil. If yes, skip to line21, if no, indicate the maximum percentage of the heat input to the combustion system (percent of MMBtu) that will be able to be supplied by oil when co-firing with natural gas. Also provide the maximum output (summer net MW) that the unit is expected to achieve, taking into account all applicable legal, regulatory, and technical limits, when making the maximum use of oil and co-firing natural gas.

21. For line 20, **Ability to Fuel Switch**, indicate whether or not the combustion system that will power the generator will have, in working order, the equipment necessary to fuel switch. If no, then skip to Schedule 3, Part D.

22. For line 21, **Oil – Gas Fuel Switching**, indicate a) whether or not the combustion system that will power the generator will have, in working order, the equipment necessary to switch between oil and gas. If no, skip to line 23. If yes:

    b) Enter the maximum output (summer net MW) that the unit can achieve, taking into account all applicable legal, regulatory, and technical limits, when running on natural gas.
    c) Enter the maximum output (summer net MW) that the unit can achieve, taking into account all applicable legal, regulatory, and technical limits, when running on 100 percent oil.
    d) Enter how long it takes to switch the generator from using 100 percent natural gas to 100 percent oil.

23. For line 22, **Regulatory Limits on Operation**, indicate whether or not there are regulatory limits, related to pollution control, that will limit the operation of each generator (e.g., limits on maximum output, limits on annual operating hours), when running on oil.

24. For line 23, **Fuel Switching Options**, enter the codes for up to six fuels, including (if applicable) oil and gas, that can be used as a sole source of fuel to power each generator. Select appropriate energy source codes from the list on pages 14 and 15 of these instructions.

Schedule 3. Generator Information, Part E. Federal Energy Regulatory Commission Generator Status

1. Complete one schedule for the generators associated with each FERC qualifying facility or qualifying exempt wholesale generator. Up to three generators can be reported on one page.

2. On line 1, indicate whether or not the generator is a FERC Qualifying Facility or a FERC Qualifying Exempt Wholesale Generator. If the answer for a generator is NO, skip lines 2 through 5 for that generator. If the answer for a generator is YES, complete lines 2 through 5 for that generator. ~~Check the applicable response for lines 1 through 4.~~

~~3. For line 7, **Date of Sale, If Sold**, enter the month and year of the sale of the generator (e.g., 12-2001).~~

~~If data for line 8, are entered, **Legal Name, Business Address, Contact Person, and Telephone of the Entity to Which this Facility was Sold**, must be completed in Part E.~~

Schedule 4. Ownership Of Generators Owned Jointly Or By Others

1. Complete a separate Schedule 4 for each existing and planned generator that is, or will be,

jointly owned; each generator that the respondent operates but that is, or will be, jointly owned; and each generator that the respondent operates but is 100 percent owned by another entity. Only the current or planned operator of jointly-owned generators should complete this schedule. The total percentage of ownership must equal 100 percent.

2. For each jointly-owned generator, specify the **Plant Name, EIA Plant Code, and Generator Identification**, as listed on Schedule 3, Part A.

3. Enter the **Owner/Joint Owner Name and Address**, in order of percentage of ownership, of each jointly-owned generator. Enter the **EIA Code** for the owner, if known, otherwise leave blank. Enter the **Percent Owned** to two decimal places, i.e., 12.5 percent as "12.50." If a generator is 100 percent owned by an entity other than the operator, then enter the percentage ownership as "100.00."

4. Include any notes or comments on Schedule ~~5~~6.

Schedule 5. New Generator Interconnection Information

1. Complete a separate Schedule 5 for each generator entering service during the past calendar year.

2. For line 1, enter the name of the power plant and the EIA power plant code, as previously reported in Schedule 3., Part A.

3. For line 2, enter the operator's generator identification, as previously reported in Schedule 3., Part B.

4. For line 3, the EIA Generator Code is assigned by EIA for its internal data processing purposes.

5. For line 4, **Date of Actual Generator Interconnection**, report the month and year that the interconnection was put into place.

6. For line 5, **Date of the Initial Interconnection Request**, report the month and year that the first request for interconnection was filed with the grid operator.

7. For line 6, **Interconnection Site Location**, specify the nearest city or town, and the state, where the interconnection equipment is located.

8. For line 7, **Grid Voltage at the Point of Interconnection**, specify the grid voltage, in kV, at the point of interconnection between the generator and the grid.

9. For line 8, **Owner of the Transmission or Distribution Facilities Generator is Interconnected To**, provide the name of the owner of the transmission or distribution facilities with which the generator is interconnected. If the name of the owner of the facilities is unknown, provide the name of the contracting party.

10. For line 9, **Total Cost Incurred for the Direct, Physical Interconnection**, specify the total cost incurred, in thousands of dollars, to accomplish the physical interconnection.

Schedule 5. New Generator Interconnection Information (Continued)

11. For line 10, **Equipment Included in the Direct Interconnection Cost**, check each of the types of equipment that are included in the cost amount reported on line 6. If there are significant types of equipment that are not included in the list, please specify what additional equipment was needed for the interconnection in Schedule 6, Footnotes.

12. For line 11, **Total Cost Incurred for Other Grid Enhancements and Reinforcements**

Needed to Accommodate Power Deliveries From the Generating Facility, specify the amount incurred, in thousands of dollars, for any other grid enhancements or reinforcements that were needed to accommodate power deliveries from the new generating facility. If these costs, or some portion of these costs, will be repaid to your company at some time in the future by the owner of the grid, or the party with whom you contracted for the interconnection, please check "yes" in line 8 a.

13. For line 12, **Were Specific Transmission Use Rights Secured as a Result of the Interconnection Costs Incurred**, please check yes or no.

Schedule 6. Footnotes

This schedule provides additional space for comments. Please identify schedule and line number for each comment.

~~**Schedule 7. Authorization for Reporting**~~

~~Respondents have the option either to submit this schedule to the EIA or to designate an agent or agents (e.g., regional electric reliability council, North American Electric Reliability Council (NERC), or other groups) to submit this information to the EIA on its behalf. Each respondent is encouraged to designate its regional electric reliability council(s) as its agent(s) to report to the EIA on the respondent's behalf. The designated agent(s) must specify the electric generating company for which it is submitting information. The respondent (the electric generating company) has the ultimate responsibility for submitting the Form EIA-860 data or any data not submitted on its behalf by its designated agent(s).~~

~~The completed schedule should include the name(s) of the designated agent(s), name(s) of contact person(s) at the designated agent(s), their corresponding telephone number(s), the name of the respondent (electric utility) official authorizing the agent(s) to file, the official's title, telephone number, signature, and the date the form is signed.~~

ENERGY SOURCE CODES AND HEAT CONTENT

	Energy Source Code	Unit Label	"Higher Heating Value" Range (Million Btu per Unit of Fuel) MMBtu Lower	MMBtu Upper	Energy Source Description
	Fossil Fuels				
Coal and Syncoal	BIT	tons	20	29	Anthracite Coal and Bituminous Coal
	LIG	tons	5.5	16.6	Lignite Coal
	SC	tons	10	35	Coal-based Synfuel. Including briquettes, pellets, or extrusions, which are formed by binding materials or processes that recycle materials.
	SUB	tons	15	20	Subbituminous Coal
	WC	tons	5.5	30	Waste/Other Coal. Including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal.
Petroleum Products	DFO	barrels	5.5	6.2	Distillate Fuel Oil. Including Diesel, No. 1, No. 2, and No. 4 Fuel Oils.
	JF	barrels	5	6	Jet Fuel
	KER	barrels	5.6	6.1	Kerosene
	PC	tons	24	30	Petroleum Coke
	RFO	barrels	5.8	6.8	Residual Fuel Oil. Including No. 5, No. 6 Fuel Oils, and Bunker C Fuel Oil.
	WO	barrels	4	5.8	Waste/Other Oil. Including Crude Oil, Liquid Butane, Liquid Propane, Oil Waste, Re-Refined Motor Oil, Sludge Oil, Tar Oil, or other petroleum-based liquid wastes.
Natural Gas and Other Gases	BFG	Mcf	0.07	0.12	Blast Furnace Gas
	NG	Mcf	0.8	1.1	Natural Gas
	OG	Mcf	0.32	3.3	Other Gas Specify in Comment Section
	PG	Mcf	2.5	2.75	Gaseous Propane
	Renewable Fuels				
Solid Renewable Fuels	AB	tons	9	18	Agricultural Crop Byproducts/Straw/Energy Crops
	MSW	tons	9	12	Municipal Solid Waste
	OBS	tons	8	25	Other Biomass Solids Specify in Comment Section
	TDF	tons	16	32	Tire-derived Fuels
	WDS	tons	7	18	Wood/Wood Waste Solids. Including paper pellets, railroad ties, utility poles, wood chips, bark, & wood waste solids.

ENERGY SOURCE CODES AND HEAT CONTENT

Continued

	Energy Source Code	Unit Label	"Higher Heating Value" Range (Million Btu per Unit of Fuel) MMBtu Lower	MMBtu Upper	Energy Source Description
	Renewable Fuels continued				
Liquid Renewable (Biomass) Fuels	OBL	barrels	3.5	4	Other Biomass Liquids. Specify in Comment Section
	SLW	tons	10	16	Sludge Waste
	BLQ	tons	10	14	Black Liquor
	WDL	barrels	8	14	Wood Waste Liquids excluding Black Liquor. Includes red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids.
Gaseous Renewable (Biomass) Fuels	LFG	Mcf	0.3	0.6	Landfill Gas
	OBG	Mcf	0.36	1.6	Other Biomass Gas. Includes digester gas, methane, and other biomass gasses. Specify in Comment Section.
All Other Renewable Fuels	SUN	N/A	0	0	Solar
	WND	N/A	0	0	Wind
	GEO	N/A	0	0	Geothermal
	WAT	N/A	0	0	Water at a Conventional Hydroelectric Turbine
	All Other Energy Sources				
All Other Energy Sources	PUR	N/A	0	0	Purchased Steam
	WH	N/A	0	0	Waste heat not directly attributed to an energy source~~fuel source~~. WH should only be reported where the ~~fuel~~ energy source for the waste heat is undetermined, and for combined cycle steam turbines that do not have supplemental firing.

Transportation Mode Codes

Mode of Transportation Code	Description
CV	Conveyer
PL	Pipeline
RR	Railroad
TK	Truck
WA	Water
UN	Unknown at this time.

	NUC				Nuclear (Uranium, Plutonium, Thorium)
	OTH	N/A	0	0	Specify in Comment Section

Commonly Used NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODES	Code	Description
		AGRICULTURE, FORESTRY, AND FISHING
	111	Agriculture production - crops
	112	Agriculture production, livestock and animal specialties
	113	Forestry
	114	Fishing, hunting, and trapping
	115	Agricultural services
		MINING
	211	Oil and gas extraction
	2121	Coal mining
	2122	Metal mining
	2123	Mining and quarrying of nonmetallic minerals except fuels
	23	**CONSTRUCTION**
		MANUFACTURING
	311	Food and kindred products
	3122	Tobacco products
	314	Textile and mill products
	315	Apparel and other finished products made from fabrics and similar materials
	316	Leather and leather products
	321	Lumber and wood products, except furniture
	322	Paper and allied products (other than 322122 or 32213)
	322122	Paper mills, except building paper
	32213	Paperboard mills
	323	Printing and publishing
	324	Petroleum refining and related industries (other than 32411)
	32411	Petroleum refining
	325	Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
	32512	Industrial organic chemicals
	325188	Industrial inorganic chemicals
	325211	Plastic materials and resins
	325311	Nitrogenous fertilizers
	326	Rubber and miscellaneous plastic products
	327	Stone, clay, glass, and concrete products (other than 32731)
	32731	Cement, hydraulic
	331	Primary metal industries (other than 331111 or 331312)
	331111	Blast furnaces and steel mills
	331312	Primary aluminum
	332	Fabricated metal products, except machinery and transportation equipment
	333	Industrial and commercial equipment and components except computer equipment
	3345	Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
	335	Electronic and other electrical equipment and components except computer equipment
	336	Transportation equipment
	337	Furniture and fixtures
	339	Miscellaneous manufacturing industries
		TRANSPORTATION AND PUBLIC UTILITIES
	482	Railroad transportation
	485	Local and suburban transit and interurban highway passenger transport
	484	Motor freight transportation and warehousing

Commonly Used NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODES	Code	Description
		TRANSPORTATION AND PUBLIC UTILITIES (continued)
	22	Electric, gas, and sanitary services
	2212	Natural gas transmission
	2213	Water supply
	22131	Irrigation systems
	22132	Sewerage systems
	481	Transportation by air
	482	Railroad Transportation
	483	Water transportation
	484	Motor freight transportation and warehousing
	485	Local and suburban transit and interurban highway passenger transport
	486	Pipelines, except natural gas
	487	Transportation services
	513	Communications
	562212	Refuse systems
	421 to 422	**WHOLESALE TRADE**
	441 to 454	**RETAIL TRADE**
	521 to 533	**FINANCE, INSURANCE, AND REAL ESTATE**
		SERVICES
	512	Motion pictures
	514	Business services
	514199	Miscellaneous services
	541	Legal services
	561	Engineering, accounting, research, management, and related services
	611	Education services
	622	Health services
	624	Social services
	712	Museums, art galleries, and botanical and zoological gardens
	713	Amusement and recreation services
	721	Hotels
	811	Miscellaneous repair services
	8111	Automotive repair, services, and parking
	812	Personal services
	813	Membership organizations
	814	Private households
	92	**PUBLIC ADMINISTRATION**

~~**GLOSSARY**~~

~~**Active Power:** Also known as "real power" or simply "power." Active power is the rate of producing, transferring, or using electrical energy. It is measured in watts and often expressed in kilowatts (kW) or megawatts (MW). The terms "active" or "real" power are used in place of the term "power" alone to differentiate it from "reactive power."~~

~~**Apparent Power:** The product of the voltage (in volts) and the current (in amperes). It comprises both active and reactive power. It is measured in "volt-amperes" and often expressed in "kilovolt-amperes" (kVA) or "megavolt-amperes" (MVA).~~

~~**Auxiliary Generator:** Add definition.~~

~~**Backup Generator:** A generator that is used only for test purposes, or in the event of an emergency, such as a shortage of power needed to meet customer load requirements.~~

~~**Combined Cycle:** A cogeneration technology in which additional electricity is produced sequentially from the otherwise lost waste heat exiting from one of more gas-fired turbines. The exiting heat flow is routed to an exhaust-fired conventional boiler or to a steam turbine in the~~

production of electricity. This process increases the efficiency of an electric generating system by turning the rejected heat into thermal steam rather than discharging it into the atmosphere.

Combined Heat and Power (CHP): A generating facility that produces electricity and another form of useful thermal energy (such as heat or steam) used for industrial, commercial, heating, or cooling purposes. To receive status as a qualifying facility (QF) under the Public Utility Regulatory Policies Act (PURPA), the facility must produce electric energy and "another form of useful thermal energy through the sequential use of energy" and meet certain ownership, operating, and efficiency criteria established by the Federal Energy Regulatory Commission (FERC). (See the code of Federal Regulations, Title 18, Part 292.)

Distributed Generator: Distributed Generators (DGs) are grid-connected units that are typically located close to customer loads and are connected to the utility grid at distribution voltages (i.e., voltages less than 69 kV).

Direct Use: Commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.

Electric Power: The rate at which electric energy is transferred. Electric power is measured by capacity and is commonly expressed in megawatts (MW).

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity Generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy Source: The primary source that provides the power that is converted to electricity through chemical, mechanical, or other means. Energy sources include coal, petroleum, and petroleum products, gas, water, uranium, wind, sunlight, geothermal, and other sources.

Generator Nameplate Capacity (Installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Gross Generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours or megawatthours.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Maximum Generator Nameplate Capacity: The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

Mega Voltampere Reactive (MVAR): 1 million voltamperes reactive

Net Capacity: The maximum load that a generating unit, generating station, or other electrical

apparatus can carry, exclusive of station use, under specified conditions for a given period of time without exceeding approved limits of temperature and stress.

Net Generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. *Note:* Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net Summer Capacity: The steady hourly output, which generating equipment is expected to supply to system load exclusive of auxiliary power, as demonstrated by tests at the time of summer peak demand. The summer peak period begins on June 1 and extends through September 30.

Net Winter Capacity: The steady hourly output, which generating equipment is expected to supply to system load exclusive of auxiliary power, as demonstrated by tests at the time of winter peak demand. The winter peak period begins on December 1 and extends through March 31.

North American Industrial Classification System (NAICS): A classification scheme, developed by the Office of Management and Budget to replace the Standard Industrial Classification (SIC) System, that categorizes establishments according to the types of production processes they primarily use.

North American Industry Classification System (NAICS): A set of codes that describes the possible purposes of a facility.**Ownership:** The entity or entities that own(s) the generator. Ownership may be single, joint, or held by an entity other than the respondent.

Power: See "Active Power."

Prime Mover: The motive force that drives an electric generator (e.g. steam engine, turbine, or water wheel).

Qualifying Facility (QF): A cogeneration or small power production facility that meets certain ownership, operating, and efficiency criteria established by the Federal Energy Regulatory Commission (FERC) pursuant to the Public Utility Regulatory Policies Act (PURPA). (See the Code of Federal Regulations, Title 18, Part 292.)

Reactive Power: The portion of electricity that establishes and sustains the electric and magnetic fields of alternating-current equipment. Reactive power must be supplied to most types of magnetic equipment, such as motors and transformers. It also must supply the reactive losses on transmission facilities. Reactive power is provided by generators, synchronous condensers, or electrostatic equipment such as capacitors and directly influences electric system voltage. It is usually expressed in kilovars (kvar) or megavars (Mvar).

Real Power: See "Active Power."

Regulated (Utility) Generator: A generator is considered to be a utility generator if the owner of the largest single share of the generator a) earns a regulated return on its investment in the generator (or would earn a regulated return if the generator was not fully depreciated) and/or b) the electricity produced from the generator is primarily sold into retail markets under rates established by either a regulatory authority or (in the case of public power or cooperative entities) by a governing board. *Note:* if two or more owners own equal shares of a generator, it is considered to be a utility generator if any one of those owners meets the utility generator criteria.

Renewable Resource: An energy resource that is naturally replenishing but flow-limited. It is virtually inexhaustible in duration, but limited in the amount of energy that is available per unit of time. Renewable resources include: biomass, hydroelectric, geothermal, solar, and wind power.

Standby Generator - A generator that is available for service but normally not used, often due to economic or environmental constraints.

Tested Heat Rate: The fuel consumed in British thermal units (Btu) necessary to generate one net kilowatthour of electric energy, reported based on primary energy source under full load conditions. Reported in Btu per kilowatthour.

Unit Code: Multi-generator code that identifies all generators that are operated with others as a single unit. Such generators should report a single heat rate.

~~**Unregulated (Non-Utility) Generator**: a generator that does not meet the criteria for a regulated (utility) generator.~~

GLOSSARY	The glossary for this form is available online at the following URL: http://www.eia.doe.gov/cneaf/electricity/page/define.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 10.2~~0~~ hours per response for ~~regulated~~ electric utility respondents and 5.1~~0~~ hours per response for ~~unregulated~~ nonutility respondents, 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 Energy Information Administration, Statistics and Methods Group, EI-70, 1000 Independence Avenue S.W., Forrestal Building, 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.
CONFIDENTIALITY	**The information contained on Schedule 2, Latitude and Longitude; and Schedule 3, Part B, Tested Heat Rate** will be kept confidential and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Energy Information Administration (EIA) will protect your information in accordance with its confidentiality and security policies and procedures. 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 General Accounting 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 statistical data published from EIA-860 confidential survey information to ensure that the risk of disclosure of identifiable information is very small. Any additional information reported on Form EIA-860 will not be treated as confidential and may be publicly released in identifiable form. In addition to the use of the information by EIA for statistical purposes, the information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

U.S. Department of Energy Energy Information Administration Form EIA-860 (2005)	*ANNUAL ELECTRIC GENERATOR REPORT*	Form Approved OMB No. 1905-0129 Approval Expires

NOTICE: 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. A person is not required to respond to collection of information unless the form displays a valid OMB number. **Data reported on Schedule 2, Latitude and Longitude; and Schedule 3, Part B, Tested Heat Rate, will be kept confidential. All other data are not confidential. 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.**

RESPONSE DUE DATE:

REPORT FOR: < respondent name > <respondent id>

REPORTING PERIOD: As of January 1, 200x

SURVEY CONTACTS: Persons to contact with questions about this form.

Contact Person 1 Respondent: Title:
Telephone: ( ) FAX: ( ) E-mail:

Contact Person 2 Supervisor: Title:
Telephone: ( ) FAX: ( ) E-mail:

SCHEDULE 1. IDENTIFICATION

LINE NO.			
1	**Legal Name of Operator**		
2	**Current Address of Principal Business Office of Plant Operator**		
3	**Preparer's Legal Name (If Different Than Line 1)**		
4	**Current Address of Preparer's Office (If Different Than Line 2)**		
~~5~~	~~**Type of Reporting Entity**~~	~~**[ ] Regulated**~~	~~**[ ] Unregulated**~~
~~6~~5	**If Reporting Entity is ~~Regulated~~ an Electric Utility, Check One**	**[ ] Cooperative** **[ ] Federal** **[ ] Investor Owned**	**[ ] Municipal** **[ ] State** **[ ] Other**

U.S. Department of Energy Energy Information Administration Form EIA-860 (2005)	*ANNUAL ELECTRIC GENERATOR REPORT*	Form Approved OMB No. 1905-0129 Approval Expires

REPORT FOR: < respondent name > <respondent id>

REPORTING PERIOD: As of January 1, 200x

SCHEDULE 2. POWER PLANT DATA

(EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)

~~PART A. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)~~

LINE NO.	PLANT 1. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)			
1	Plant Name		EIA Plant Code	
2	Street Address			
3	County Name		City Name	
4	State			
5	Zip Code			
6	Latitude (Degrees, Minutes, Seconds)			
7	Longitude (Degrees, Minutes, Seconds)			
8	NERC Region		NERC Subregion	
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)			
10	Primary Purpose of the ~~Facility~~Plant (North American Industry Classification System Code)			
11	For Independent Power Producers, and Combined Heat and Power Producers ~~Unregulated Company~~ Only : Enter the electric utility in whose service area the ~~facility~~ plant is located. If not connected to an electric utility check "Not Connected" after utility name.	Utility Name: Not connected to utility [ ]		

~~PART B. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL OPERATION WITHIN 5 YEARS)~~

PLANT 2. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)

	PLANT 2. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)			
1	Plant Name		EIA Plant Code	
2	Street Address			
3	County Name		City Name	
4	State			
5	Zip Code			
6	Latitude (Degrees, Minutes, Seconds)			
7	Longitude (Degrees, Minutes, Seconds)			
8	NERC Region		NERC Subregion	
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)			
10	Primary Purpose of the ~~Facility~~Plant (North American Industry Classification System Code)			
11	For Independent Power Producers, and Combined Heat and Power Producers ~~Unregulated Company~~ Only : Enter the electric utility in whose service area the ~~facility~~ plant is located. If not connected to an electric utility check "Not Connected" after utility name.	Utility Name:		

	PLANT 3. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)			
1	Plant Name		EIA Plant Code	
2	Street Address			
3	County Name		City Name	
4	State			
5	Zip Code			
6	Latitude (Degrees, Minutes, Seconds)			
7	Longitude (Degrees, Minutes, Seconds)			
8	NERC Region		NERC Subregion	
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)			
10	Primary Purpose of the ~~Facility~~Plant (North American Industry Classification System Code)			
11	For Independent Power Producers, and Combined Heat and Power Producers ~~Unregulated Company~~ Only : Enter the electric utility in whose service area the ~~facility~~ plant is located. If not connected to an electric utility check "Not Connected" after utility name.	Utility Name:		

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SCHEDULE 2. POWER PLANT DATA

(EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)

~~PART A. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)~~

LINE NO.	PLANT 4. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)			
1	Plant Name		EIA Plant Code	
2	Street Address			
3	County Name		City Name	
4	State			
5	Zip Code			
6	Latitude (Degrees, Minutes, Seconds)			
7	Longitude (Degrees, Minutes, Seconds)			
8	NERC Region		NERC Subregion	
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)			
10	Primary Purpose of the ~~Facility~~Plant (North American Industry Classification System Code)			
11	For Independent Power Producers, and Combined Heat and Power Producers ~~Unregulated Company~~ Only : Enter the electric utility in whose service area the ~~facility~~ plant is located. If not connected to an electric utility check "Not Connected" after utility name.	Utility Name: Not connected to utility [ ]		

	PLANT 5. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)			
1	Plant Name		EIA Plant Code	
2	Street Address			
3	County Name		City Name	
4	State			
5	Zip Code			
6	Latitude (Degrees, Minutes, Seconds)			
7	Longitude (Degrees, Minutes, Seconds)			
8	NERC Region		NERC Subregion	
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)			
10	Primary Purpose of the ~~Facility~~Plant (North American Industry Classification System Code)			
11	For Independent Power Producers, and Combined Heat and Power Producers ~~Unregulated Company~~ Only : Enter the electric utility in whose service area the ~~facility~~ plant is located. If not connected to an electric utility check "Not Connected" after utility name.	Utility Name:		

	PLANT 6. (EXISTING OR PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)			
1	Plant Name		EIA Plant Code	
2	Street Address			
3	County Name		City Name	
4	State			
5	Zip Code			
6	Latitude (Degrees, Minutes, Seconds)			
7	Longitude (Degrees, Minutes, Seconds)			
8	NERC Region		NERC Subregion	
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)			
10	Primary Purpose of the ~~Facility~~Plant (North American Industry Classification System Code)			
11	For Independent Power Producers, and Combined Heat and Power Producers ~~Unregulated Company~~ Only : Enter the electric utility in whose service area the ~~facility~~ plant is located. If not connected to an electric utility check "Not Connected" after utility name.	Utility Name:		

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

LINE NO	PART A. 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	EIA Generator Code			
5	Prime Mover Code			
6	Unit Code			
7	Ownership Code			
8	Is Any Part of This Generator Owned by an Entity that is Not an Electric Utility?	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
9	Date of Sale, If Sold (Month-Year)			
10	Can This Generator Deliver Power to the Transmission Grid?	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No

	PART B. EXISTING GENERATORS (Complete One Column for Each Generator, by Plant)				
			Generator (a)	Generator (b)	Generator (c)
1	Maximum Generator Nameplate Capacity (Megawatts)				
2	Net Capacity (Megawatts)	Summer			
		Winter			
3	Maximum Reactive Output (Lagging MVAR) At Expected Peak Output	Summer			
		Winter			
4	Status Code				
5	If Status Code is Standby or Backup, is the generator synchronized to the grid?		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
6	Initial Date of Operation (Month-Year)				
7	Retirement Date (Month-Year)				
8	Is this generator associated with a Combined Heat and Power system ~~Producer~~ (fuel input is used to produce both electricity and useful thermal output)?		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
9	Is this ~~Do You Consider This to be~~ a Distributed Generator?		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
	Energy Sources				
10a	Predominant Energy Source				

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10b	**Is this generator part of a Solid Fuel Gasification system?**	[ ] Yes		[ ] No		[ ] Yes		[ ] No		[ ] Yes		[ ] No			
11	**Operational Transportation Modes for Predominant Energy Source** (enter up to three codes)														
12	**Second Most Predominant Energy Source**														
13	**Operational Transportation Modes for Second-Most Predominant Energy Source** (enter up to three codes)														
14	**Other Energy Sources** Enter up to four codes in order of quantity used (measured in Btus).	**a**	**b**	**c**	**d**	**a**	**b**	**c**	**d**	**a**	**b**	**c**	**d**		
15	**If Energy Source is Wind, Enter the Number of Turbines**														
~~11~~	~~**Mode of Transportation for Fuel**~~	~~**a.**~~													
		~~**b.**~~													
16	**Tested Heat Rate (Btu/Kilowatthour)**														
17	**Fuel Used for Heat Rate Test (enter fuel code of M for multiple fuels)**														
	Fuel Switching and Co-Firing Capability														
18	**Ability to use multiple fuels** Does the combustion system that powers this generator have, **in working order**, the equipment necessary to either co-fire fuels or to fuel switch, including fuel storage facilities?	[ ] Yes [ ] No If No, skip to Schedule 3 Part C.				[ ] Yes [ ] No If No, skip to Schedule 3 Part C.				[ ] Yes [ ] No If No, skip to Schedule 3 Part C.					
19	**Ability to Co-Fire Can the unit co-fire fuels?** (Note: co-firing excludes the limited use of an alternative fuel for startup or flame stabilization.)	[ ] Yes [ ] No If No, skip to line 24.				[ ] Yes [ ] No If No, skip to line 24.				[ ] Yes [ ] No If No, skip to line 24.					
20	**Fuel Options for Co-Firing** Enter the codes for up to six fuels that can be co-fired:	**a**	**b**	**c**		**a**	**b**	**c**		**a**	**b**	**c**			
		d	**e**	**f**		**d**	**e**	**f**		**d**	**e**	**f**			
21	**Ability to Co-Fire Oil and Gas** Can the unit co-fire fuel oil with natural gas?	[ ] Yes [ ] No If No, skip to line 24.				[ ] Yes [ ] No If No, skip to line 24.				[ ] Yes [ ] No If No, skip to line 24.					
22	**Ability to Co-Fire Oil** a. Can the unit run on 100% oil? **If yes, skip to Line 23.** If no, what is the: b. Maximum oil heat input (%	[ ] Yes [ ] No				[ ] Yes [ ] No				[ ] Yes [ ] No					

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	of MMBtus) when co-firing with natural gas? c. Maximum output (net MW) achievable, when making the maximum use of oil and co-firing natural gas?	________ % ________ MW	________ % ________ MW	________ % ________ MW
23	**Ability to Fuel Switch** Can the unit fuel switch?	[ ] Yes [ ] No If No, skip to Sch. 3 Part C.	[ ] Yes [ ] No If No, skip to Sch. 3 Part C.	[ ] Yes [ ] No If No, skip to Sch. 3 Part C.
24	**Oil – Gas Fuel Switching** a. Can the unit switch between oil and gas? **If No, skip to line 26.**	[ ] Yes [ ] No If No, skip to line 29.	[ ] Yes [ ] No If No, skip to line 29.	[ ] Yes [ ] No If No, skip to line 29.
	b. Net summer MW achievable when running on natural gas:	________________MW	________________MW	________________MW
	c. Net summer MW achievable when running on fuel oil:	________________MW	________________MW	________________MW
	d. Time Required to Switch this unit from using 100 percent natural gas to using 100 percent oil (check one box):	[ ] 0 to 6 hours [ ] over 6 to 24 hours [ ] over 24 to 72 hours [ ] over 72 hours [ ] Unknown or uncertain	[ ] 0 to 6 hours [ ] over 6 to 24 hours [ ] over 24 to 72 hours [ ] over 72 hours [ ] Unknown or uncertain	[ ] 0 to 6 hours [ ] over 6 to 24 hours [ ] over 24 to 72 hours [ ] over 72 hours [ ] Unknown or uncertain
25	**Regulatory Limits on Operation** Do pollution control regulations limit the operation of this unit when running on 100 percent oil (e.g., limits on number of operating hours per year or maximum allowed MW output?)	**[ ] Yes [ ] No**	**[ ] Yes [ ] No**	**[ ] Yes [ ] No**
26	**Fuel Switching Options** Enter the codes for up to six fuels that can be used as a sole source of fuel for this unit.	a | b | c d | e | f	a | b | c d | e | f	a | b | c d | e | f
~~11~~	~~**Mode of Transportation for Fuel**~~ ~~a.~~ ~~b.~~			

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Plant Name	
EIA Plant Code	

PART C. PROPOSED CHANGES TO EXISTING GENERATORS

(Complete One Column for Each Generator, by Plant. If More Than One Change is Planned for a Generator, Copy This Form and Fill it Out For Each Change)

			Generator (a)	Generator (b)	Generator (c)
	Basic Information				
1	**Status Code**				
2	**Maximum Generator Nameplate Capacity (Megawatts)**				
3	**Net Capacity (Megawatts)**	**Summer**			
		Winter			
4	**Planned Original Effective Date (~~Month-Year~~ MM-YYYY)**				
5	**Planned Current Effective Date (~~Month-Year~~ MM-YYYY)**				
6	**New Prime Mover Code**				
	Energy Sources				
7a	**Expected Predominant Energy Source**				
7b	**Will this generator be part of a Solid Fuel Gasification system?**		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
8	**Operational Transportation Modes for Predominant Energy Source** (enter up to three codes)				
9	**Expected Second Most Predominant Energy Source**				
10	**Operational Transportation Modes for Second-Most Predominant Energy Source** (enter up to three codes)				
11	**Other Energy Source Options**. Enter up to four codes in order of expected quantity used (measured in Btus).	a			
		b			
		c			
		d			
		a			
		b			
		c			
		d			
		a			
		b			
		c			
		d			

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PART D. PROPOSED GENERATOR

(Complete One Column for Each Generator, by Plant.)

1	~~Maximum~~ Generator Nameplate Capacity (Megawatts)				
2	Net Capacity (Megawatts)	Summer			
		Winter			
3	Maximum Reactive Output (Lagging MVAR) At Expected Output	Summer			
		Winter			
4	Status Code				
5	Planned Original Effective Date (~~Month-Year~~ MM-YYYY)				
6	Planned Current Effective Date (~~Month-Year~~ MM-YYYY)				
7	Will this generator be associated with a Combined Heat and Power system (fuel input is used to produce both electricity and useful thermal output?) ~~Producer (Check Yes or No)~~		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
8	Will this ~~Do You Consider This to~~ be a Distributed Generator ~~(Check Yes or No)~~		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No

Planned Energy Sources

9a	Expected Predominant Energy Source												
9b	Will this generator be part of a Solid Fuel Gasification system?	[ ] Yes [ ] No			[ ] Yes [ ] No			[ ] Yes [ ] No					
10	Operational Transportation Modes for Predominant Energy Source (enter up to three codes)												
11	Expected Second Most Predominant Energy Source												
12	Operational Transportation Modes for Second-Most Predominant Energy Source (enter up to three codes)												
13	Other Energy Source Options. Enter up to four codes in order of expected quantity used (measured in Btus).	a	b	c	d	a	b	c	d	a	b	c	d
14	If Energy Source is Wind (enter the number of turbines)												

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Combustible Fuel Capability

15	**Ability to use multiple fuels** Will the combustion system that powers this generator have, **in working order**, the equipment necessary to either co-fire fuels or to fuel switch, including fuel storage facilities?	**[ ] Yes [ ] No** If No, skip to Sch.3 Part E.	**[ ] Yes [ ] No** If No, skip to Sch. 3 Part E.	**[ ] Yes [ ] No** If No, skip to Sch.3 Part E.
16	**Ability to Co-Fire** **Will the unit be able to co-fire fuels?** (Note: co-firing excludes the limited use of an alternative fuel for startup or flame stabilization.)	**[ ] Yes [ ] No** If No, skip to line 20.	**[ ] Yes [ ] No** If No, skip to line 20.	**[ ] Yes [ ] No** If No, skip to line 20.
17	**Fuel Options for Co-Firing** Enter the codes for up to six fuels that can be co-fired:	**a** | **b** | **c** **d** | **e** | **f**	**a** | **b** | **c** **d** | **e** | **f**	**a** | **b** | **c** **d** | **e** | **f**
18	**Ability to Co-Fire Oil and Gas** Will the unit be able to co-fire fuel oil with natural gas?	**[ ] Yes [ ] No** If No, skip to line 20.	**[ ] Yes [ ] No** If No, skip to line 20.	**[ ] Yes [ ] No** If No, skip to line 20.
19	**Ability to Co-Fire Oil** a. Will the unit be able to run on 100% oil? **If yes, skip to Line 20.** If No, what is: b. Maximum oil heat input (% of MMBtus) when co-firing with natural gas? c. Maximum output (net MW) achievable, when making the maximum use of oil and co-firing natural gas?	**[ ] Yes [ ] No** ________ % ________ MW	**[ ] Yes [ ] No** ________ % ________ MW	**[ ] Yes [ ] No** ________ % ________ MW
20	**Ability to Fuel Switch** Will the unit be able to fuel switch?	**[ ] Yes [ ] No** If No, skip to Schedule 3 Part E.	**[ ] Yes [ ] No** If No, skip to Schedule 3 Part E.	**[ ] Yes [ ] No** If No, skip to Schedule 3 Part E.
21	**Oil – Gas Fuel Switching** a. Will the unit be able to switch between oil and gas? **If No, skip to line 23. If Yes:** b. Expected net summer MW achievable running on natural gas: c. Expected net summer MW achievable running on fuel oil: d. Expected Time Required to Switch this unit from using 100 percent natural gas to using 100 percent oil:	**[ ] Yes [ ] No** _____________MW _____________MW [ ] 0 to 6 hours [ ] over 6 to 24 hours [ ] over 24 to 72 hours [ ] over 72 hours [ ] unknown or uncertain	**[ ] Yes [ ] No** _____________MW _____________MW [ ] 0 to 6 hours [ ] over 6 to 24 hours [ ] over 24 to 72 hours [ ] over 72 hours [ ] unknown or uncertain	**[ ] Yes [ ] No** _____________MW _____________MW [ ] 0 to 6 hours [ ] over 6 to 24 hours [ ] over 24 to 72 hours [ ] over 72 hours [ ] unknown or uncertain

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22	**Regulatory Limits on Operation** Will pollution control regulations limit the operation of this unit when running on 100 percent oil (e.g., limits on number of operating hours per year or maximum allowed MW output)?	**[ ] Yes [ ] No**			**[ ] Yes [ ] No**			**[ ] Yes [ ] No**			
23	**Fuel Switching Options** Enter the codes for up to six fuels that can be used as a sole source of fuel for this unit.	**a**	**b**	**c**	**a**	**b**	**c**	**a**	**b**	**c**	
		d	**e**	**f**	**d**	**e**	**f**	**d**	**e**	**f**	

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PART E. FEDERAL ENERGY REGULATORY COMMISSION (FERC) GENERATOR STATUS
(Complete Only For FERC Qualifying Facilities or Qualifying Exempt Wholesale Generator.)

	~~GENERATOR STATUS (Check) (a)~~	~~Federal Energy Regulatory Commission Docket Number (AP for Application Pending, N/A for Not Applicable) (b)~~

~~Complete One Section for Each Generator, by Plant~~

LINE NO.		Generator (a)		Generator (b)		Generator (c)	
		Status	FERC Docket Number (AP for Application Pending, NA for Not Applicable)	Status	FERC Docket Number (AP for Application Pending, NA for Not Applicable)	Status	FERC Docket Number (AP for Application Pending, NA for Not Applicable)
1	Is this generator a FERC Qualifying Facility or a FERC Qualifying Exempt Wholesale Generator? IF NO, check the "No" box and skip lines 2 through 5 for this generator. IF YES, check the "Yes" box and complete lines 2 through 5 for this generator.	[ ] Yes [ ] No		[ ] Yes [ ] No		[ ] Yes [ ] No	
2	Combined Heat and Power Producer	[ ] Yes [ ] No		[ ] Yes [ ] No		[ ] Yes [ ] No	
3	FERC Qualifying Cogenerator	[ ] Yes [ ] No		[ ] Yes [ ] No		[ ] Yes [ ] No	
4	FERC Qualifying Small Power Producer	[ ] Yes [ ] No		[ ] Yes [ ] No		[ ] Yes [ ] No	
5	FERC Qualifying Exempt Wholesale Generator	[ ] Yes [ ] No		[ ] Yes [ ] No		[ ] Yes [ ] No	

~~1~~		~~Generator Identification~~	
~~6~~	~~Other Specify:~~	~~[ ]~~	
~~7~~	~~Date of Sale, If Sold (Month-Year)~~		
~~8~~	~~Sale to Regulated or Unregulated Entity, if Sold (Check Box)~~		~~Regulated [ ] Unregulated [ ]~~

~~Complete for Each Generator Sold~~

~~1~~	~~Generator Identification, Legal Name, Business Address, Contact Person, and Telephone of the Entity to Which this Facility was Sold.~~

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SCHEDULE 4. OWNERSHIP OF GENERATORS OWNED JOINTLY OR BY OTHERS

PLANT NAME (a)	
EIA PLANT CODE (b)	
GENERATOR IDENTIFICATION (c)	

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

OWNER/JOINT OWNER 1: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 2: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 3: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 4: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 5: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 6: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 7: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 8: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 9: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 10: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
		Total	**100%**

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SCHEDULE 5. NEW GENERATOR INTERCONNECTION INFORMATION
(Complete for each generator entering service during Calendar Year 200x)

LINE NO.				
1	Plant Name and EIA Power Plant Code	Name: Code:	Name: Code:	Name: Code:
2	Operator's Generator Identification			
3	EIA Generator Code			
4	Date Of Actual Generator Interconnection (MM-YYYY)			
5	Date Of The Initial Interconnection Request (MM-YYYY)	City: State:	City: State:	City: State:
6	Interconnection Site Location (Nearest City or Town, State)			
7	Grid Voltage At The Point Of Interconnection (kV)			
8	Owner Of The Transmission Or Distribution Facilities To Which Generator is Interconnected			
9	Total Cost Incurred For The Direct, Physical Interconnection (Thousand $)			
10	Equipment Included In The Direct Interconnection Cost (Check All Of The Following That Apply:)			
	a. Transmission Or Distribution Line	Yes [ ] No [ ]	Yes [ ] No [ ]	Yes [ ] No [ ]
	b. Transformer	Yes [ ] No [ ]	Yes [ ] No [ ]	Yes [ ] No [ ]
	c. Protective Devices	Yes [ ] No [ ]	Yes [ ] No [ ]	Yes [ ] No [ ]
	d. Substation Or Switching Station	Yes [ ] No [ ]	Yes [ ] No [ ]	Yes [ ] No [ ]
	e. Other Equipment (specify in Sch. 6, Footnotes)	Yes [ ] No [ ]	Yes [ ] No [ ]	Yes [ ] No [ ]
11	a. Total Cost Incurred For Other Grid Enhancements And Reinforcements Needed To Accommodate Power Deliveries From The Generator (Thousand $)			
	b. Will This Cost Be Repaid At Some Future Date?	Yes [ ] No [ ]		
12	Were Specific Transmission Use Rights Secured As A Result Of The Interconnection Costs Incurred?	Yes [ ] No [ ]		

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SCHEDULE 6. FOOTNOTES

SCHEDULE NUMBER (a)	LINE NUMBER (b)	NOTES (c)

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SCHEDULE 6. AUTHORIZATION FOR REPORTING

The respondent authorizes the agent designated below to submit on its behalf, the Form EIA-860, *Annual Electric Generator Report*, to the U.S. Department of Energy**.** Respondents have the option either to submit this completed form to the EIA or to designate an agent or agents (e.g., regional electric reliability council, North American Electric Reliability Council (NERC), or other groups) to submit this information to the EIA on its behalf. Each respondent is encouraged to designate its regional electric reliability council(s) as its agent(s) to report to the EIA on the respondent's behalf. The designated agent(s) must specify the electric generator for which it is submitting information. The respondent (electric generator) has the ultimate responsibility for submitting all these data or any data not submitted on its behalf by its designated agent(s).

AUTHORIZED AGENT

LINE NO.		
1	Agent Name	
2	Agent Contact Person	
3	Agent Address	
4	Agent Telephone	

RESPONDENT AUTHORIZING OFFICIAL

5	Respondent Authorizing Official Name	
6	Respondent Authorizing Official Title	
7	Respondent Authorizing Official Telephone	
8	Respondent Authorizing Official Signature	
9	Date	