

GENERAL INFORMATION

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 the EIA publications, *Inventory of Electric Utility Power Plants in the United States*, *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.

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.**

METHODS OF FILING RESPONSE
 Submit your data electronically using EIA's Internet Data Collection system (IDC).

- If you have not registered with EIA's Single Sign-On system, send an e-mail requesting assistance to Kenneth McClevey at : EIA-860@eia.doe.gov.
Important Note: Even if you used the IDC system in 2003, you will need to register with Single Sign-On for 2004. If you have not done so or are not sure, e-mail EIA as noted immediately above.
- 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..

CONTACT
 For questions regarding the Form EIA-860 or for additional information contact:
 Kenneth McClevey
 Telephone Number: (202) 287-1732
 FAX Number: (202) 287-1960
 Email: eia-860@eia.doe.gov.

CONFIDENTIALITY

The information contained on this form in 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 confidential 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.

All other 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.

INSTRUCTIONS

Submit the completed Form EIA-860 directly to the EIA annually, on or before February 15 of the reporting year. 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 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. 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 Site Information," 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 5, "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, place an asterisk (*) before the power plant's name in Schedule 2, and report the current operator under Schedule 5, "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.

Specific Instructions

Schedule 1. Identification

Respondents who designate their regional council to file on their behalf must complete and submit information related to survey contacts and Schedule 1, page 1 of the form at the same time that they complete and submit Schedule 6.

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 6, **If Reporting Entity is Regulated**, if in line item 5, reporting entity was marked as being regulated, enter an "X" for the appropriate type of entity.

Schedule 2. Power Plant Data

1. 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 identified on the preprinted form, use a separate (blank) section of Schedule 2.
2. For line 1, **Plant Name** and **Street Address**, enter the name and street address of 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. There may be more than one prime mover type associated with a single plant name (single site).
3. For line 2, **EIA Plant Code**, enter or verify the EIA Plant Code for the power plant.
4. 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 5.
5. 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."
6. 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.
7. For line 6, **Latitude**, enter the latitude of the plant in degrees, minutes, and seconds.

INSTRUCTIONS

Specific Instructions

Schedule 2. Power Plant Data (Continued)

8. For line 7, **Longitude**, enter the longitude of the plant in degrees, minutes, and seconds.
9. 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: www.eia.doe.gov/cneaf/electricity/chg_str_fuel/html/fig02.html.
10. 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.
11. For line 10, **Primary Purpose of Facility**, enter the North American Industry Classification System (NAICS) code that best describes the primary purpose of the reporting facility.
12. For line 11, **Unregulated Company Only**, enter the name of the electric regulated entity with which the facility is interconnected. If not connected enter "Not Connected."

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) 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. Multiple generators operated together (i.e., cross-compound) should be reported with one generator ID.
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, **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, **Prime Mover**, for each existing combined cycle unit, enter one of the mover codes:

<u>Prime Mover Code</u>	<u>Prime Mover Description</u>
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)
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)
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.)
5. For line 5, **Unit Code** (Multi-generator code), identify all generators that are operated with other generators as a single unit. (Identify generators in Schedule 5, "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.
6. For line 6, **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.

INSTRUCTIONS

Specific Instructions

Schedule 3. Generator Information, Part B. Existing Generators

1. For line 1, **Maximum Generator Nameplate Capacity**, report the highest value on the nameplate in megawatts rounded 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, **Status Code**, enter one of the following status codes:

<u>Status Code</u>	<u>Status Code Description</u>
OP	Operating - in service 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.
4. For line 4, **Initial Date of Operation**, enter the month and year of commercial operation.
5. For Line 5, **Retirement Date**, enter the date the generator was retired in month and year format.
6. For line 6, **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 (Btu(s)) necessary to generate one net kilowatthour of electric energy. Report the heat rate based on the primary energy source. 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.
7. For Line 7, **Energy Source Code(s)**, please specify up to 12 energy sources that the generator is capable of using to produce electricity. 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 following list. 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).

<u>Energy Source Code</u>	<u>Energy Source Description</u>
BIT	(Anthracite Coal, Bituminous Coal)
LIG	Lignite Coal
SUB	Subbituminous Coal
WC	Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal)
SC	Coal-based Synfuel and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material
DFO	Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils)
JF	Jet Fuel
KER	Kerosene
RFO	Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil)
WO	Oil-Other and Waste Oil (Butane (Liquid), Crude Oil, Liquid Byproducts, Oil Waste, Propane (Liquid), Re-Refined Motor Oil, Sludge Oil, Tar Oil)
PC	Petroleum Coke
NG	Natural Gas
BFG	Blast-Furnace Gas
OG	Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes)
PG	Propane
NUC	Nuclear (Uranium, Plutonium, Thorium)
AB	Agriculture Crop Byproducts/Straw/Energy Crops
BLQ	Black Liquor
GEO	Geothermal
LFG	Landfill Gas
MSW	Municipal Solid Waste
OBS	Other Biomass Solids (Animal Manure and Waste, Solid Byproducts, and other solid biomass not specified)
OBL	Other Biomass Liquids (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Medical Waste, Tall Oil, Waste Alcohol, and other biomass liquids not specified)
OBG	Other Biomass Gases (Digester Gas, Methane, and other biomass gases)
OTH	Other (Batteries, Chemicals, Coke Breeze, Hydrogen, Pitch, Sulfur, Tar Coal, and miscellaneous technologies)
PUR	Purchased Steam
SLW	Sludge Waste
SUN	Solar (Photovoltaic, Thermal)
TDF	Tires
WAT	Water (Conventional, Pumped Storage)
WDS	Wood/Wood Waste Solids (Paper Pellets, Railroad Ties, Utility Poles, Wood Chips, and other wood solids)
WDL	Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not specified)
WND	Wind
NA	Not Available

INSTRUCTIONS

Specific Instructions

Schedule 3. Generator Information, Part B. Existing Generators (Continued)

8. For line 8, **If Energy Source is Wind**, enter the number of turbines.
9. For line 9, **Combined Heat and Power Producer**, check either "Yes" or "No".
10. For Line 10, **Distributed Generator**, check "Yes" if the generator is considered to be a distributed generator, and check "No" otherwise.
11. 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:

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

Schedule 3. Generator Information, Part C. 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, **Status Code**, enter one of the following status codes:

<u>Status Code</u>	<u>Status Code Description</u>
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")

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 construction is completed. (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.
6. For line 6, **Please Enter All Energy Source Code(s) That Pertain**, using the energy source codes from Schedule 3, Part B, line 7. Enter in order of predominance of Btus.
7. For line 7, **If Energy Sources is Wind**, enter the number of turbines.
8. For line 8, **Combined Heat and Power Producer**, Check either "Yes" or "No."
9. For Line 9, **Distributed Generator**, check "Yes" if the generator is considered to be a distributed generator, and check "No" otherwise.
10. For line 10, **Mode of Transportation for Fuel**, see instructions for Schedule 3, Part B line 11.

INSTRUCTIONS

Specific Instructions

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

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:

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.

3. For line 3, **Status Code**, enter one of the following status codes:

<u>Status Code</u>	<u>Status Code Description</u>
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)

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, **Please Enter All Energy Source(s) That Pertain To Modification Or Change**, using the energy source codes from Schedule 3, Part B, line 7.
7. For line 7, **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.

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

1. Complete one schedule for each generator. Up to three generators can be reported on one page.
2. Check the applicable response for lines 2 through 6.
3. For line 7, **Date of Sale, If Sold**, enter the month and year of the sale of the generator (e.g., 12-2001).
4. 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.

INSTRUCTIONS

Specific Instructions

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 or Participant 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.

Schedule 5. Notes

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

Schedule 6. Authorization for Reporting

Respondents have the option either to submit Form EIA-860 directly 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. 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).

Respondents who designate an agent or agents to file on their behalf must submit this completed schedule along with Schedule 1 and other contact information on page 1.

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.

REPORTING BURDEN

Public reporting burden for this collection of information is estimated to average 10.0 hours per response for regulated respondents and 5.0 hours per response for unregulated 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.

GLOSSARY

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).

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

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.

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 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.

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.)

Regulated Entity: For the purpose of EIA's data collection efforts, entities that either provide electricity within a designated franchised service area and/or file forms listed in the Code of Federal Regulations, Title 18, part 141 are considered regulated entities. This includes investor-owned electric utilities that are subject to rate regulation, municipal utilities, federal and state power authorities, and rural electric cooperatives. Facilities that qualify as CHP or small power producers under the Public Utility Regulatory Power Act (PURPA) are not considered regulated entities.

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.

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 Entity: For the purpose of EIA's data collection efforts, entities that do not have a designated franchised service area and that do not file forms listed in the Code of Federal Regulations, Title 18, part 141 are considered unregulated entities. This includes qualifying CHP, qualifying small power producers, and other generators that are not subject to rate regulation such as independent power producers.

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, 2004

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

Contact: _____ Title: _____
 Telephone: () FAX: () E-mail: _____

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	<input type="checkbox"/> Regulated <input type="checkbox"/> Unregulated
6	If Reporting Entity is Regulated, Check One	<input type="checkbox"/> Cooperative <input type="checkbox"/> Municipal <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Investor Owned <input type="checkbox"/> Other

REPORT FOR: < respondent name > < respondent id >
 REPORTING PERIOD: As of January 1, 2004

SCHEDULE 2. POWER PLANT DATA

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

LINE NO.			
1	Plant Name	Street Address:	
2	EIA Plant Code		
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 (North American Industry Classification System Code)		
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)		

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

1	Plant Name	Street Address:	
2	EIA Plant Code		
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 (North American Industry Classification System Code)		
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)		

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

1	Plant Name	Street Address:	
2	EIA Plant Code		
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 (North American Industry Classification System Code)		
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)		

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

1	Plant Name	Street Address:	
2	EIA Plant Code		
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 (North American Industry Classification System Code)		
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)		

REPORT FOR: < respondent name > < respondent id >
 REPORTING PERIOD: As of January 1, 2004

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

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	Generator Identification						
4	Prime Mover Code						
5	Unit Code						
6	Ownership Code						

PART B. EXISTING GENERATORS (Complete One Column for Each Generator, by Plant)

1	Maximum Generator Nameplate Capacity (Megawatts)								
2	Net Capacity (Megawatts)	Summer		Winter					
3	Status Code								
4	Initial Date of Operation (Month-Year)								
5	Retirement Date (Month-Year)								
6	Tested Heat Rate (Btu/Kilowatthour)								
7	Energy Source Code(s) in Btu Order by Predominance of use	a.		g.		a.		g.	
		b.		h.		b.		h.	
		c.		i.		c.		i.	
		d.		j.		d.		j.	
		e.		k.		e.		k.	
		f.		l.		f.		l.	
8	If Energy Source is Wind, Enter the Number of Turbines								
9	Combined Heat and Power Producer (Check Yes or No)	[] Yes	[] No	[] Yes	[] No	[] Yes	[] No		
10	Do You Consider This to be a Distributed Generator (Check Yes or No)	[] Yes	[] No	[] Yes	[] No	[] Yes	[] No		
11	Mode of Transportation for Fuel	a.		b.					

PART C. PROPOSED GENERATOR (Complete One Column for Each Generator, by Plant)

1	Maximum Generator Nameplate Capacity (Megawatts)								
2	Net Capacity (Megawatts)	Summer		Winter					
3	Status Code								
4	Planned Original Effective Date (Month-Year)								
5	Planned Current Effective Date (Month-Year)								
6	Energy Source Code(s) in Btu Order by Predominance of use	a.		g.		a.		g.	
		b.		h.		b.		h.	
		c.		i.		c.		i.	
		d.		j.		d.		j.	
		e.		k.		e.		k.	
		f.		l.		f.		l.	
7	If Energy Source is Wind (enter the number of turbines)								
8	Combined Heat and Power Producer (Check Yes or No)	[] Yes	[] No	[] Yes	[] No	[] Yes	[] No		
9	Do You Consider This to be a Distributed Generator (Check Yes or No)								
10	Mode of Transportation for Fuel	a.		b.					

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

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

	Plant Name			
	EIA Plant Code			

PART D. PROPOSED CHANGES TO EXISTING GENERATORS (Complete One Column for Each Generator, by Plant)

LINE NO														
1	Maximum Generator Nameplate Capacity (Megawatts)													
2	Net Capacity (Megawatts)	Summer												
		Winter												
3	Status Code													
4	Planned Original Effective Date (Month-Year)													
5	Planned Current Effective Date (Month-Year)													
6	Energy Source Code(s) in Btu Order by Predominance of use	a.		g.		a.		g.		a.		g.		
		b.		h.		b.		h.		b.		h.		
		c.		i.		c.		i.		c.		i.		
		d.		j.		d.		j.		d.		j.		
		e.		k.		e.		k.		e.		k.		
		f.		l.		f.		l.		f.		l.		
7	New Prime Mover Code													

REPORT FOR: < respondent name > < respondent id >
 REPORTING PERIOD: As of January 1, 2004

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

	Plant Name		
	EIA Plant Code		

PART E. FEDERAL ENERGY REGULATORY COMMISSION GENERATOR STATUS

LINE NO.	GENERATOR STATUS (Check) (a)	Federal Energy Regulatory Commission Docket Number (AP for Application Pending, N/A for Not Applicable) (b)
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Complete One Section for Each Generator, by Plant

1		Generator Identification	
2	Combined Heat and Power Producer	[]	
3	Federal Energy Regulatory Commission Qualifying Cogenerator	[]	
4	Federal Energy Regulatory Commission Qualifying Small Power Producer	[]	
5	Federal Energy Regulatory Commission Qualifying Exempt Wholesale Generator	[]	
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 One Section for Each Generator, by Plant

1		Generator Identification	
2	Combined Heat and Power Producer	[]	
3	Federal Energy Regulatory Commission Qualifying Cogenerator	[]	
4	Federal Energy Regulatory Commission Qualifying Small Power Producer	[]	
5	Federal Energy Regulatory Commission Qualifying Exempt Wholesale Generator	[]	
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 One Section for Each Generator, by Plant

1		Generator Identification	
2	Combined Heat and Power Producer	[]	
3	Federal Energy Regulatory Commission Qualifying Cogenerator	[]	
4	Federal Energy Regulatory Commission Qualifying Small Power Producer	[]	
5	Federal Energy Regulatory Commission Qualifying Exempt Wholesale Generator	[]	
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

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

REPORT FOR: < respondent name > < respondent id >
REPORTING PERIOD: As of January 1, 2004

SCHEDULE 4. OWNERSHIP OF GENERATORS OWNED JOINTLY OR BY OTHERS

PLANT NAME (a)	
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EIA PLANT CODE (b)	
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GENERATOR IDENTIFICATION (c)	
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JOINT OWNER NAME AND CONTACT INFORMATION (d)

OWNER/JOINT OWNER 1 NAME		% OWNED (e):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
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JOINT OWNER 2: NAME		% OWNED (e):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
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JOINT OWNER 3: NAME		% OWNED (e):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
---	--	------------------	--

JOINT OWNER 4: NAME		% OWNED (e):	
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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):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
---	--	------------------	--

JOINT OWNER 7: NAME		% OWNED (e):	
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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):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
---	--	------------------	--

JOINT OWNER 10: NAME		% OWNED (e):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
---	--	------------------	--

JOINT OWNER 11: NAME		% OWNED (e):	
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MAILING ADDRESS AND EIA CODE		EIA CODE:	
		Total	100%

Check if no change to preprinted data on this page. []
Page of

REPORT FOR: < respondent name > < respondent id >
REPORTING PERIOD: As of January 1, 2004

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 the completed Form EIA-860 directly 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. The designated agent(s) must specify the respondent 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	

If you complete Schedule 6 for submission to the EIA, you must also complete Page 1, survey contacts information and Schedule 1.