

GENERAL INFORMATION

PURPOSE

The EIA-411 data provides the U.S. Department of Energy with a comprehensive source of information about regional electricity supply and demand projections for a five-year advance period and information on the transmission system and supporting facilities. 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

Each of the Regional Councils of the North American Electric Reliability Council (NERC) is asked to submit Form EIA-411 data compiled from data furnished by utilities and other electricity suppliers within their Council areas. Although the Form EIA-411 is a voluntary filing, the generating capacity data collected on Schedule 3, "Generator Information," is included under the mandatory Form EIA-860, "Annual Electric Generator Report."

SANCTIONS

The timely submission of Form EIA-411 by those required to report is requested under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. **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

Each Regional Council of NERC should file annually by April 1, one electronic copy of its Form EIA-411 data with the:

North American Electric Reliability Council
Princeton Forrestal Village
116-390 Village Boulevard
Princeton, New Jersey 08540-5731

After review, the NERC should file the Form EIA-411 with the EIA by June 30.

Retain a completed copy of this form for your files.

CONTACT

For questions regarding the Form EIA-411 or additional information contact:

John Makens
Telephone Number: (202) 287-1749
FAX Number: (202) 287-1960
Email: John.Makens@eia.doe.gov

CONFIDENTIALITY

The information contained on Schedule 3, Part B, Latitude and Longitude; and Schedule 3, Part D, 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-411 confidential survey information to ensure that the risk of disclosure of identifiable information is very small.

All other Information reported on Form EIA-411 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

Each Regional Council should submit the completed Form EIA-411 to the North American Electric Reliability Council by April 1. After review, NERC should submit the completed Form EIA-411 to the EIA by June 30.

1. Complete the information at the top portion of the form with the name and telephone number of the current contact person(s).
2. Include information from all Council members and significant interconnected nonmembers within the service territories of members that have responded to data requests.
3. Submit revisions to data previously reported as soon as possible after the error or omission is discovered. Do not wait until the next reporting period's form is due to send resubmission(s). A photocopy of the original submission that clearly shows any changes to the data is acceptable. Draw a line through the incorrect data. Write the correct data above the incorrect data. The revised page will be treated as a replacement for the original page. FAX or mail one copy of the resubmission.

Specific Instructions

Schedule 1. Historical and Projected Peak Demand and Energy

1. Enter monthly seasonal peak demand and net energy for load for designated years. Enter annual and seasonal peak demands and net energy for load for designated years.
2. Schedule 1 is to be reported in total by each Council. Appropriate groups of utilities within a Council that plan their bulk electric systems on a coordinated basis may also report as a "reporting party." It is recognized that a Council may not be completely divided into reporting parties, but to the extent that reporting parties exist they should report.

Schedule 2. Historical and Projected Demand and Capacity

1. Enter demand and capacity for the summer and winter peak periods of the designated years. Peak demands reported should agree with the corresponding entries in Schedule 1.
2. Capacity data reported in Schedule 2 should be consistent with Schedule 3, Part D and Schedule 3, Part E. If the total capacity reported in Schedule 2 (lines 7, 8, or 9) differs from the simple summation of data in Schedule 3, Part D and Schedule 3, Part E, explain the reasons in a footnote on Schedule 8.
3. For hydroelectric capacity, explain in footnote on Schedule 8, whether the data are for an adverse water year, an average water year, or other.
4. The information in Schedule 2 is to be entered in megawatts (MW) for each peak period on the same basis as reported in Schedule 1.
5. For line 1, **Internal Demand**, the following instructions apply:

Internal Demand is the sum of the metered (net) outputs of all generators within the system and the metered line flows into the system, less the metered line flows out of the system. The demands for station service or auxiliary needs (such as fan motors, pump motors, and other equipment essential to the operation of the generating units) are not included.

Internal Demand includes adjustments for utility indirect demand-side management programs such as conservation programs, improvements in efficiency of electric energy use, rate incentives, and rebates. Internal Demand should not be reduced by Direct Control Load Management or Interruptible Demand, which are reported on Lines 4 and 5, respectively.

The Internal Demands of nonmember systems of the Council or Reporting Party should be included to the extent known.

State in a footnote on Schedule 8 whether or not Internal Demand includes Standby Demand.

INSTRUCTIONS

Specific Instructions

Schedule 2. Historical and Projected Demand and Capacity (Continued)

6. For line 2, **Stand-by Demand**, enter the demand specified by contractual arrangement with a customer to provide power and energy to that customer as a secondary source or backup for an outage of the customer's primary source. Standby Demand is intended to be used infrequently by any one customer. If Stand-by Demand is included in line 1, report "0" on line 2. If there are no arrangements for Standby Demand, report "0" on line 2.
7. For line 3, **Total Internal Demand**, enter sum of lines 1 and 2. Data should be the same as reported in Schedule 1, Peak Hour Demand.
8. For line 4, **Direct Control Load Management**, enter the magnitude of customer demand that can be interrupted at the time of the Council or Reporting Party seasonal peak by direct control of the System Operator by interrupting power supply to individual appliances or equipment on customer premises. This type of control usually reduces the demand of residential customers. Direct Control Load Management as reported here does not include Interruptible Demand (Line 5).
9. For line 5, **Interruptible Demand**, enter the magnitude of customer demand that, in accordance with contractual arrangements, can be interrupted at the time of the Council or Reporting Party seasonal peak by direct control of the System Operator or by action of the customer at the direct request of the System Operator. In some instances, the demand reduction may be effected by direct action of the System Operator (remote tripping) after notice to the customer in accordance with contractual provisions. For example, demands that can be interrupted to fulfill planning or operating reserve requirements normally should be reported as Interruptible Demand. Interruptible Demand as reported here does not include Direct Control Load Management.
10. For line 6, **Net Internal Demand**, enter line 3, less line 4, less line 5 (Internal Demand, less Direct Control Load Management and Interruptible Demand).
11. For line 7, **Committed Resources**, enter the total of all existing capacity and all committed, planned capacity for the specified year. Existing capacity shall include all existing generators regardless of physical location. This includes generators with the codes of OP, SB and OS, as reported in Schedule 3, Part D. (The Net Capacity of parties that are not members of the Council or Reporting Party but are within the boundaries of the Council or Reporting Party should be included in the totals, to the extent known.) Committed, planned capacity shall include both capacity that is under construction and existing units that are to be retired and deactivated or reactivated during the specified year. This includes the following codes for Planned Generators, as reported in Schedule 3, Part B: RT, TS, U, and V. Status Code M should be included in this line if the Council removes the unit from the capacity mix. Status Code RA should be included in this line if the Council intends to restore the unit to the capacity mix. Planned changes in capacity (if any) associated with Status Codes A, D, RP, and FC should be included on this line. Status Codes CO and IP should not appear on this line.
12. For Line 8, **Distributed Generator Capacity**, enter the amount of the capacity entered on Line 7, Committed Resources, that is comprised by distributed generators 1 MW or greater.
13. For Line 9, **Other Capacity**, enter the amount of the capacity entered on Line 7, Committed Resources, that is comprised by other (non-distributed) generators 1 MW or greater.
14. For Line 10, **Distributed Generator Capacity**, enter the amount of the capacity entered on Line 7, Committed Resources, that is comprised by distributed generators less than 1 MW.
15. For Line 11, **Other Capacity**, enter the amount of the capacity entered on Line 7, Committed Resources, that is comprised by other (non-distributed) generators less than 1 MW.
16. For line 12, **Uncommitted Resources**, enter all planned capacity that is not existing, not under construction, or is of unknown status. This would include status codes L, P, OT, and T for Planned Generators, as reported in Schedule 3, Part E. Status Codes A, CO, D, FC, IP, and RP should not appear in this line.
17. For line 13, **Total Capacity**, enter generating capacity regardless of physical location. If this item differs from the simple summation of data in Schedule 3, Part D and Schedule 3, Part E, explain in a footnote on Schedule 8. The Net Capacity of companies that are not members of the Council or Reporting Party but within the boundaries of the Council or Reporting Party should be included in the totals, to the extent known. This should be the sum of lines 7 and 12 on the form.
18. For line 14, **Inoperable Capacity**, enter all generating resources that are expected to be unavailable due to scheduled outage at the time of peak -- this includes maintenance outages and planned outages. Line 14 should also include all generating resources that are totally or partially out of service for reasons such as: environmental restrictions, legal or regulatory restrictions, extensive modifications or repair, or capacity specified as being in a mothballed state. Expected reduction in output due to hydro conditions can be addressed in either line 13 or 14 but it must be noted on which line this was accounted for.
19. For line 15, **Net Operable Capacity**, enter the amount of line 13 less line 14.
20. For line 16, **Total Capacity Purchases**, enter total of all capacity purchases from sources outside the boundaries of the Reporting Party as reported in Schedule 4 at the time of the purchaser's peak demand. If not equal to the total in Schedule 4, Part A and B, explain in a footnote on Schedule 8. If the Reporting Party chooses to report capacity physically located outside the Reporting Party's boundaries and reported in line 13, as purchased capacity, an appropriate adjustment should be reported in line 20.

INSTRUCTIONS

Specific Instructions

Schedule 2. Historical and Projected Demand and Capacity (Continued)

21. For line 17, **Full Responsibility Purchases**, enter total of all purchases for which the seller is contractually obligated to deliver power and energy to the purchaser with the same degree of reliability as provided to the seller's own native load (customers). Each purchaser and seller must agree on which of their transactions are reported under this heading.
22. For line 18, **Total Capacity Sales**, enter total of all capacity sales to purchasers outside the boundaries of the Reporting Party, as reported in Schedule 4 at the time of the seller's peak demand. If not equal to the total in Schedule 4, Part C and D, explain in a footnote on Schedule 8.
23. For line 19, **Full Responsibility Sales**, enter total of all sales for which the seller is contractually obligated to deliver power and energy to the purchaser with the same degree of reliability as provided to the seller's own native load (customers). Each purchaser and seller must agree on which of their transactions are reported under this heading.
24. For line 20, **Adjustment for Remotely Located (totally owned or shared) Generating Unit(s)**, enter the appropriate adjustment if transfers of capacity associated with remotely located, totally owned or jointly owned, generating units are included in the Capacity Purchases on Line 16 or the Capacity Sales on Line 18. For net transfer into a Reporting Party, this entry will be negative. The purpose of this adjustment is to eliminate "double counting" of capacity that may be duplicated in lines 13, 16, or 18.
25. For line 21, **Planned Capacity Resources**, enter the sum of line 15, plus line 16, minus line 18, plus line 20.

Schedule 3. Generator Information

Submit the completed EIA-411 Schedule 3 (Form EIA-860) directly to the EIA annually, on or before February 15. Respondents who designate an agent or agents to file on their behalf should complete EIA-411 Schedule 9 and submit it directly to the EIA on or before January 15 of the reporting calendar year. The submittal date of the completed EIA-411 (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. 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 8, "Footnotes."
2. For planned power plants or generators, use planning data to complete the form.
3. Report in whole numbers (i.e., no decimal points), except where explicitly instructed to report otherwise.
4. Indicate negative amounts by using a minus sign before the number.
5. Report date information as a two-digit month and four-digit year, e.g., "11 - 1980."
6. 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 EIA-411 Schedule 3, and report the current operator under EIA-411 Schedule 8, "Footnotes." Do not complete the form for that power plant.**
7. For hydroelectric units, state the basis of the reported capacity (adverse hydro, average hydro, or other) in a footnote on Schedule 8.
8. To request additional blank schedules contact the Energy Information Administration using the contact information page i.

Schedule 3. Generator Information

(Existing Generators and Those Planned for Initial Operation Within Five Years)

Part A. Company Data

1. For line 1, **Company Name**, enter the company name.
2. For line 2, **Company Code**, report all companies, members and nonmembers, for the Region by EIA assigned **Company Code**. A list of the EIA Company Codes, by reporting party names is available at the EIA Website, http://www.eia.doe.gov/cneaf/electricity/page/gen_companies/codesp1.html. If the name of the reporting party is not on the list, please enter the name of the party on the form and a code will be assigned.
3. For line 3, **Region**, enter the NERC Region in which this company is located.
4. For line 4, **Subregion**, enter the subregion within the NERC Region in which this company is located.
5. For line 5, **State**, enter the state in which this company is located. If more than one state is encompassed, use the state of the company's headquarters.
6. For line 6, **Country**, enter the country in which this company is located.
7. For line 7, **Legal Name of Operator**, verify the name.
8. For line 8, **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-411, Schedule 3).

INSTRUCTIONS

**Specific Instructions
(Existing Generators and Those Planned for Initial Operation Within Five Years)
Part A. Company Data (Continued)**

9. For line 9, **Preparer's Legal Name**, verify the name to which this form should be mailed if different from line 1.
10. For line 10, **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-411, Schedule 3), if preparer is different from operator in line 1.
11. For line 11, **Type of Reporting Entity**, indicate either regulated or unregulated. See Glossary for definition of regulated and unregulated entities.
12. For line 12, **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 3. Generator Information
(Existing Generators and Those Planned for Initial Operation Within Five Years)
Part B. 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 3, Part B.
2. For line 1, **Plant Name** and **Street Address**, enter the name 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, Part C. 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 the facility is a mobile power plant indicate with a footnote on Schedule 8.
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.
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 location for which the plant is located.
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 the Facility**, enter the North American Industry Classification System (NAICS) code that best describes the primary purpose of the reporting facility. NAICS codes can be found on the Internet URL: www.census.gov/epcd/naics02/naicod02.html.
12. For line 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".

INSTRUCTIONS

**Schedule 3. Generator Information
 (Existing Generators and Those Planned for Initial Commercial Operation Within Five Years)
 Part C. Generators**

- 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.
- To report a new generator, use a separate (blank) section of Schedule 3, Part C. 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, Part C 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.
- For line 1, **Plant Name**, enter the official or legal name of the power plant as reported on EIA-411 Schedule 3, Part B.
- For line 2, **EIA Plant Code**, enter the EIA plant code as reported on EIA-411 Schedule 3, Part B.
- 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.

- 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.)

- For line 5, **Unit Code** (Multi-generator code), identify all generators that are operated with other generators as a single unit. (Identify generators in EIA-411 Schedule 8, "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.
- 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.

**Schedule 3. Generator Information
 Part D. Existing Generators**

- For line 1, **Maximum Generator Nameplate Capacity**, report the highest value on the nameplate in megawatts rounded to the nearest tenth.
- 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.
- 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.
- For line 4, **Initial Date of Operation**, enter the month and year of commercial operation.
- For Line 5, **Retirement Date**, enter the date the generator was retired in month and year format.

INSTRUCTIONS

**Specific Instructions
 Schedule 3. Generator Information
 Part D. Existing Generators (continued)**

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

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.

INSTRUCTIONS

**Specific Instructions
 Schedule 3. Generator Information
 Part D. Existing Generators (Continued)**

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 E. 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 EIA-411 Schedule 3, Part E, 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 EIA-411 Schedule 3, Part E line 11.

INSTRUCTIONS

Specific Instructions

Schedule 3. Generator Information

Part F. 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, Enter **Energy Source(s) Code in BTU Order by Predominance of Use**, using the energy source codes from EIA-411 Schedule 3, Part D, 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," EIA-411 Schedule 3, Part C.

Schedule 3. Generator Information

Part G. 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 G (entered at bottom of page).

Schedule 3. Generator Information

Part H. Ownership Of Generators Owned Jointly Or By Others

1. Complete a separate Schedule 3, Part H 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 C.
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 8.

INSTRUCTIONS

Specific Instructions

Schedule 4. Historical and Projected Capacity Purchases and Sales

1. Enter all projected capacity purchases and sales (in megawatts) that involve entities outside of the Council or Reporting Region. The totals should agree with the totals in Schedule 2, Line 16, **Total Capacity Purchases** and Line 18, **Total Capacity Sales**.
2. Some data may be non-coincident due to differences in the month of the seasonal peaks for the purchaser and seller. An example would be a transfer that changes magnitude from July to August. The transfer would be reported in July by the selling party whose peak occurs in July and reported in August by the purchasing party whose peak occurs in August.
3. Purchases from jointly owned shares of generators physically located outside the Council or Reporting Party, reported as capacity in Schedule 4, should be included in Schedule 2, Line 16, **Total Capacity Purchases**, or Line 18, **Total Capacity Sales** and in Line 20, **Adjustment Transfers for Remotely Located Generating Unit(s)**.
4. For column (a), **Other Party, EIA Code**, enter the five character numeric code for that party. A list of the EIA company codes, by reporting party name, is available at the EIA website, http://www.eia.doe.gov/cneaf/electricity/page/gen_companies/codesp1.html. If the name of the reporting party is not on this list, please enter the name of the party on the form and a code will be assigned.

Schedule 5. Bulk Electric Transmission System Maps

1. Each Council is to submit a map(s) in electronic format, showing the existing bulk electric transmission system 230 kV and above, including ties to other Councils, and the bulk electric transmission system additions projected for a five-year period beginning with the year following the reporting year.
2. Only major geographic features and state boundaries, bulk electric facilities, and the names of major metropolitan areas need be shown. The map scale to be used is left to the discretion of the Region or Reporting Party but should be such as to allow convenient use of the map. Show the voltage level of all bulk electric transmission lines. The year of installation of all projected system additions may be shown at the option of the Council or Reporting Party.
3. The map requirement may be satisfied by either:
 - (a) A single map in electronic format showing the existing bulk electric transmission system as of January 1 of the reporting year and system additions for a five-year period beginning with the reporting year; or
 - (b) Separate maps for a set of subregions that comprise the whole region.
4. For Line 1, enter the number of maps provided.
5. For Line 2, enter the requested map information in columns (a) through (d).

Schedule 6. Projected Transmission Line Additions

1. This Schedule shall be completed for all transmission line additions at 230 kV and above projected for the five-year period beginning with the year following the reporting year.
2. For line 1, **Terminal Location (From)**, enter the name of the beginning terminal point of the line.
3. For line 2, **Terminal Location (To)**, enter the name of the ending terminal point of the line.
4. For line 3, **Company Name**, enter the company name.
5. For line 4, **EIA Company Code**, identify each organization by the six-character code assigned by EIA.
6. For line 5, **Type of Organization**, identify the type of organization that best represents the line owner including the following types of utilities – Investor-owned (I), Municipality (M), Cooperative (C), State-owned (S), Federally-owned (F), or other (O).
7. For line 6, **Percent Ownership**, if the transmission line will be jointly-owned, enter the percentages owned by each individual respondent.
8. For line 7, **Line Length**, enter miles between beginning and ending terminal points of the line, regardless of the number of conductors or circuits carried.
9. For line 8, **Line Type**, select physical location of the line conductor – overhead (OH), underground (UG), or submarine (SM).
10. For line 9, **Voltage Type**, select voltage as alternating current (AC) or direct current (DC).
11. For line 10, **Voltage Operating**, enter the voltage at which the line is normally operated in kilovolts (kV).

INSTRUCTIONS

Specific Instructions

Schedule 6. Projected Transmission Line Additions (Continued)

12. For line 2, **Terminal Location (To)**, enter the name of the ending terminal point of the line.
13. For line 3, **Company Name**, enter the company name.
14. For line 4, **EIA Company Code**, identify each organization by the six-character code assigned by EIA.
15. For line 5, **Type of Organization**, identify the type of organization that best represents the line owner including the following types of utilities – Investor-owned (I), Municipality (M), Cooperative (C), State-owned (S), Federally-owned (F), or other (O).
16. For line 6, **Percent Ownership**, if the transmission line will be jointly-owned, enter the percentages owned by each individual respondent.
17. For line 7, **Line Length**, enter miles between beginning and ending terminal points of the line, regardless of the number of conductors or circuits carried.
18. For line 8, **Line Type**, select physical location of the line conductor – overhead (OH), underground (UG), or submarine (SM).
19. For line 9, **Voltage Type**, select voltage as alternating current (AC) or direct current (DC).
20. For line 10, **Voltage Operating**, enter the voltage at which the line is normally operated in kilovolts (kV).
12. For line 11, **Voltage Design**, enter the voltage at which the line was designed to operate in kilovolts (kV).
13. For line 12, **Conductor Size**, enter the size of the line conductor in thousands of circular mils (MCM).
14. For line 13, **Conductor Material Type**, enter the line conductor material type – aluminum, ACSR, copper, or other.
15. For line 14, **Bundling Arrangement**, enter the bundling arrangement/configuration of the line conductors – single, double, triple, quadruple, or other.
16. For line 15, **Circuits per Structure Present**, enter the current number of three-phase circuits on the structures of the line.
17. For line 16, **Circuits per Structure Ultimate**, enter the ultimate number of three-phase circuits that the structures of the line are designed to accommodate.
18. For line 17, **Pole/Tower Type**, identify the predominant pole/tower material for the line – wood, concrete, steel, combination, composite material, or other. Also include the type of structure – single pole, H-frame structure, tower, underground, or other.
19. For line 18, **Capacity Rating**, enter the normal load-carrying capacity of the line in millions of volt-amperes (MVA).
20. For line 19, **Projected In-Service Date**, enter the projected date the line will be energized under the control of the system operator. Please provide a month and year (e.g. **12-2004**).

Schedule 7. Bulk Transmission Facility Power Flow Cases

1. Schedule 7 collects basic electrical data and power flow information on prospective new bulk transmission facilities of 230 kV and above (including lines, transformers, HVDC terminal facilities, phase shifters, and static VAR compensators) that have been approved for construction and are scheduled to be energized over the next two years.
2. If the prospective bulk transmission facilities are represented in the respondent's current FERC Form 715 submission, please provide a copy of an annual peak load power flow case submitted which represents a period of at least two years into the future and complete Schedule 7 (see Instructions 6 through 13).
3. If the facilities are not represented in the respondent's current FERC Form 715 submission, please submit a power flow case(s) representing the prospective facilities and complete Schedule 7. The respondent may submit a single annual peak load power flow case that includes all prospective facilities to be energized in the next two years. Alternatively, the respondent may provide a copy of any annual peak load power flow case that includes the new facility for the year it is to be energized. If more than one facility is to be energized in a given year, it is acceptable to provide a single annual peak load power flow case that includes all the new facilities added in that year. The power flow shall be in the same format as used for the respondent's FERC Form 715 filing.
4. For each power flow case that is provided in response to Items 2 and 3 above, please identify on Schedule 7 all prospective facilities that are not currently in service and the projected in-service date of those facilities. Complete one page for each new power flow case. In each case, identify only the new facility by type and list bus numbers and names that the new facility is connected with electrically.

INSTRUCTIONS

Specific Instructions

Schedule 7. Bulk Transmission Facility Power Flow Cases

5. The EIA expects that in nearly all cases the power flow format will be one of the following:
- The Raw Data File format of the PTI (Power Technologies, Inc.) PSS/E power flow program;
 - The Card Deck Image format of the Philadelphia Electric power flow program;
 - The Card Deck format of the WSCC power flow program;
 - The Raw Data File format of the General Electric (Formerly Electric Power Consultant, Inc. or EPC), or the PSLF power flow program; or
 - The IEEE Common Format for Exchange of Solved Power Flows.

Respondents submitting their own cases must supply the input data to the solved base cases and associated ACSII output data on MS/PC DOS format (version 3.x or higher), high density (1.44 MC), compact disk in the format associated with the power flow program used by the respondents in the course of their transmission studies, as described above.

6. For Line 1, enter the case name.
7. For Line 2, enter the year studied in this power flow case.
8. For Line 3, enter the case number assigned by respondent.
9. For Line 4, column a, enter the name of a prospective facility included on the power flow case.
10. For Line 4, column b, enter the type of facility, e.g. line, transformer, etc.
11. For Line 4, column c, enter the projected in-service date of the proposed facility. Please provide month and year (e.g. 12-2004).
12. For Line 4, column d and e, enter the number and name respectively of each bus to which the facility is connected. Use one line for each bus.
13. Repeat Instructions 9 through 12 for each prospective facility.

Schedule 8. Footnotes

Identify each comment (footnote) by the appropriate schedule, part, line number, column identifier and page number. Use additional sheets, as required.

Schedule 9. Authorization for Reporting

Respondents have the option either to submit Schedule 3 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).

Respondents who designate an agent or agents to file on their behalf should return this completed schedule and a copy of the fully completed Form EIA-860 or the Form EIA-411, Schedule 3, to the EIA in the enclosed envelope or in an envelope using the mailing address above.

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 1,280 hours per response, including the time of reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The burden includes not only the hours needed by the regional council, but also for the members and regulated entities within that council. This estimate excludes the hours needed to complete Schedule 3 of this form. Schedule 3 burden hours are accounted for in the burden associated with the mandatory Form EIA-860. 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, D.C. 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

Bundling Arrangement: Identifies the conductor configuration for each phase of a transmission line, when more than one conductor per phase is used.

Bus Name: Unique name of a specific electrical connection point, as used by the respondent.

Bus Number: Unique number assigned to a specific electrical connection point by the respondent.

Case Name: Unique name assigned to the electronic data file that is used to track respondent's data filings.

Circuits Per Structure, Present: Current number of circuits on supporting structures of designated line.

Circuits Per Structure, Ultimate: Planned number of circuits on supporting structures of designated line.

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.)

Committed Resources: All existing capacity and all committed, planned capacity for the specified year. Existing capacity shall include all existing generators regardless of physical location. Committed, planned capacity shall include both capacity that is under construction and existing units that are to be retired and deactivated or reactivated during the specified year.

Conductor: The portion of a transmission line that carries the electrical current.

Conductor Material Type: Identifies the type of material used to conduct electricity.

Configuration Maps: Geographic information containing transmission line, substation, and terminal information. It shows the normal operating voltages and includes information about other operational and political boundaries.

Direct Control Load Management: The magnitude of customer demand that can be interrupted at the time of the seasonal peak load by direct control of the system operator by interrupting power supply to individual appliances or equipment on customer premises. This type of control usually reduces the demand of residential customers.

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).

EIA Company Code: Unique identification number assigned by EIA to companies and entities operating in the electric power industry.

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.

File Name: The alpha-numeric name that identifies the electronic data file.

Full Responsibility Purchases: Total of all purchases for which the seller is contractually obligated to deliver power and energy to the purchaser with the same degree of reliability as provided to the seller's own native load (customers). Each purchaser and seller must agree on which of their transactions are reported under this heading.

Full Responsibility Sales: Total of all sales for which the seller is contractually obligated to deliver power and energy to the purchaser with the same degree of reliability as provided to the seller's own native load (customers). Each purchaser and seller must agree on which of their transactions are reported under this heading.

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.

GLOSSARY

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

Inoperable Capacity: Generating capacity that is totally or partially out of service at the time of system peak load, either for scheduled outages (see GADS definition of "scheduled outages." These include both maintenance outages and planned outages.) or for reasons such as: environmental restrictions; extensive modifications or repair; or capacity specified as being in a mothballed state.

Internal Demand: Peak hour integrated megawatt demand is defined as the sum of the demands of all customers that a system serves, including the demands of the organization providing the electric service, plus the losses incidental to that service. Total Internal Demand is the sum of the metered (net) outputs of all generators within the system and the metered line flows into the system, less the metered line flows out of the system. The demand of station service or auxiliary needs (such as fan motors, pump motors, and other equipment essential to the operation of the generating units) is not included.

Interruptible Demand: The magnitude of customer demand that, in accordance with contractual arrangements, can be interrupted at the time of the NERC Council or Reporting Party seasonal peak by direct control of the System Operator or by action of the customer at the direct request of the System Operator. In some instances, the demand reduction may be effected by direct action of the System Operator (remote tripping) after notice to the customer in accordance with contractual provisions. For example, demands that can be interrupted to fulfill planning or operating reserve requirements normally should be reported as Interruptible Demand. Interruptible Demand as reported here does not include Direct Control Load Management.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Line Length: Number of miles between beginning and ending terminal points of the line, regardless of conductors or circuits carried.

Map Number: The alpha-numeric identification for each map file, as assigned by the respondent.

Map Software: Identification of the computer software program (or system) that was used to develop the electronic data files and will be used to electronically import and interpret the data files.

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.

Miles of Line by Voltage (Size): Length of transmission lines by voltage for the electrical system.

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 Energy: The net electrical energy requirements of an electric system are defined as system net generation plus energy received from others, less energy delivered to others through interchange. It includes system losses but excludes energy required for storage at energy storage facilities.

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 Internal Demand: Internal Demand less Direct Control Load Management and Interruptible Demand.

Net Operable Capacity: Total owned capacity less inoperable capacity.

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. The entity or entities that own(s) the transmission line. Ownership may be single, joint, or held by an entity other than the respondent.

Peak Hour Demand: The maximum load in megawatts during the specified reporting period.

Pole/Tower Type: Identifies the type of transmission line supporting structure.

GLOSSARY

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

Projected In-service Date: The projected date the line will be energized under the control of the system operator, including month and year.

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.)

Rated Capacity: The maximum utilization level of transmission line, or other electrical device in millions of volt-amperes, or mega-volt amperes (MVA).

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 cogenerators 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.

Size of Conductor: Identifies either the diameter or the cross-sectional area of a transmission line conductor.

Standby Demand: The demand specified by contractual arrangement with a customer to provide power and energy to that customer as a secondary source or backup for an outage of the customer's primary source. Standby Demand is intended to be used infrequently by any one customer.

Summer Peak Hour Demand: The maximum load in megawatts during the period June through September.

Terminal Location: Identifies the physical location of one end of a transmission line segment.

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.

Total Internal Demand: The sum of internal demand plus standby demand.

Type of Facility: A descriptive identification of what the facility does, highlighting the associated functional activity (e.g., transformer, transmission line, phase-shifter).

Type of Line: Identifies the physical location of the conductor (overhead, underground, or submarine).

Type of Organization: Identifies the type of organization that best represents the line owner including the following types of utilities – Investor-owned (I), Municipality (M), Cooperative (C), State-owned (S), Federally-owned (F), or other (O).

Uncommitted Resources: All proposed generating capacity that is either not under construction or is of "unknown" status.

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 cogenerators, qualifying small power producers, and other generators that are not subject to rate regulation such as independent power producers.

Voltage, Designed: Voltage at which a designated transmission facility was designed to operate.

Voltage, Operating: Voltage at which a designated transmission facility currently operates.

Voltage Type: With respect to transmission facilities, voltage type identifies whether the line is designed to operate at alternating current (a.c.) or direct current (d.c.) voltages.

Winter Peak Hour Demand: The maximum load in megawatts during the period December through March.

Year of Study: Identification of the projected years covered by a specified study.

Years Projected: Identification of the specific time period for which the projection applies.

U.S. Department of Energy Energy Information Administration Form EIA-411 (2004)		COORDINATED BULK POWER SUPPLY PROGRAM REPORT				Form Approved OMB No. 1905-0129 Approval Expires 11/30/04	
REPORT FOR: < respondent name > < respondent id >							
REPORTING PERIOD: As of January 1, 2004							
NOTICE: Data reported on Schedule 3, Part B, Latitude and Longitude and Schedule 3, Part D, Line 6 Tested Heat Rate, will be kept confidential. All other data are not confidential.							
SURVEY CONTACTS: Persons to contact with questions about this form.							
Contact Person 1:		Telephone: ()			FAX: ()		Title: E-mail:
Contact Person 2:		Telephone: ()			FAX: ()		Title: E-mail:
Council							
Reporting Party							
SCHEDULE 1. PART A. HISTORICAL AND PROJECTED PEAK DEMAND AND ENERGY - MONTHLY							
		YEAR					
		2003		2004		2005	
LINE NO.	MONTH	PEAK HOUR DEMAND (MEGAWATTS) (a)	NET ENERGY (1000s of MEGA-WATTHOURS) (b)	PEAK HOUR DEMAND (MEGAWATTS) (c)	NET ENERGY (1000s of MEGA-WATTHOURS) (d)	PEAK HOUR DEMAND (MEGAWATTS) (e)	NET ENERGY (1000s of MEGA-WATTHOURS) (f)
1	January						
2	February						
3	March						
4	April						
5	May						
6	June						
7	July						
8	August						
9	September						
10	October						
11	November						
12	December						
SCHEDULE 1. PART B. HISTORICAL AND PROJECTED PEAK DEMAND AND ENERGY - ANNUAL							
LINE NO.		YEAR					
		2003	2004	2005	2006	2007	2008
1	Summer Peak Hour Demand, June - September (Megawatts)						
		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
2	Winter Peak Hour Demand, December - March (Megawatts)						
		2003	2004	2005	2006	2007	2008
3	Net Annual Energy (1000s of Megawatthours)						

U.S. Department of Energy Energy Information Administration Form EIA-411 (2004)		COORDINATED BULK POWER SUPPLY PROGRAM REPORT			Form Approved OMB No. 1905-0129 Approval Expires 11/30/04		
REPORT FOR: < respondent name > < respondent id >							
REPORTING PERIOD: As of January 1, 2004							
Council							
Reporting Party							
SCHEDULE 2. PART A. HISTORICAL AND PROJECTED DEMAND AND CAPACITY - SUMMER							
LINE NO.		YEAR					
		2003	2004	2005	2006	2007	2008
DEMAND (IN MEGAWATTS)							
1	Internal Demand						
2	Standby Demand						
3	Total Internal Demand (sum of lines 1 and 2)						
4	Direct Control Load Management						
5	Interruptible Demand						
6	Net Internal Demand (line 3, less line 4, less line 5)						
NET CAPACITY (IN MEGAWATTS)							
7	Committed Resources						
8	Distributed Generator Capacity, 1 megawatt or greater						
9	Other Capacity, 1 megawatt or greater						
10	Distributed Generator Capacity, less than 1 megawatt						
11	Other Capacity, less than 1 megawatt						
12	Uncommitted Resources						
13	Total Capacity (sum of lines 7 and 12)						
14	Inoperable Capacity						
15	Net Operable Capacity (line 13, less line 14)						
16	Total Capacity Purchases						
17	Full Responsibility Purchases						
18	Total Capacity Sales						
19	Full Responsibility Sales						
20	Adjustment for Remotely Located (totally owned or shared) Generating Unit(s)						
21	Planned Capacity Resources (sum lines 15, 16, and 20, less line 18)						

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

Council	
Reporting Party	

SCHEDULE 2. PART B. HISTORICAL AND PROJECTED DEMAND AND CAPACITY -- WINTER

LINE NO.		YEAR					
		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
DEMAND (IN MEGAWATTS)							
1	Internal Demand						
2	Standby Demand						
3	Total Internal Demand (sum of lines 1 and 2)						
4	Direct Control Load Management						
5	Interruptible Demand						
6	Net Internal Demand (line 3, less line 4, less line 5)						
NET CAPACITY (IN MEGAWATTS)							
7	Committed Resources						
8	Distributed Generator Capacity, 1 megawatt or greater						
9	Other Capacity, 1 megawatt or greater						
10	Distributed Generator Capacity, less than 1 megawatt						
11	Other Capacity, less than 1 megawatt						
12	Uncommitted Resources						
13	Total Capacity (sum of lines 7 and 12)						
14	Inoperable Capacity						
15	Net Operable Capacity (line 13, less line 14)						
16	Total Capacity Purchases						
17	Full Responsibility Purchases						
18	Total Capacity Sales						
19	Full Responsibility Sales						
20	Adjustment for Remotely Located (totally owned or shared) Generating Unit(s)						
21	Planned Capacity Resources (sum lines 15, 16, and 20, less line 18)						

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

Council		
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Reporting Party		
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**SCHEDULE 3. GENERATOR INFORMATION
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL OPERATION WITHIN FIVE YEARS)
PART A. COMPANY DATA
(If Necessary, Copy and Attach Additional Sheets)**

LINE NO.	COMPANY LOCATION	
1	Company Name	
2	Company Code	
3	Region	
4	Subregion	
5	State (U.S. Postal Abbreviation)	
6	Country	

SCHEDULE INFORMATION

7	Legal Name of Operator		
8	Current Address of Principal Business Office of Plant Operator		
9	Preparer's Legal Name (If Different Than Line 1)		
10	Current Address of Preparer's Office (If Different Than Line 2)		
11	Type of Reporting Entity	[<input type="checkbox"/>] Regulated	[<input type="checkbox"/>] Unregulated
12	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

Council	
Reporting Party	

SCHEDULE 3. GENERATOR INFORMATION
 (EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN FIVE YEARS)
PART B. POWER PLANT DATA
 (If Necessary, Copy and Attach Additional Sheets)

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.)		

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.)		

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.)		

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.)		

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Page _____ of _____

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

Council

Reporting Party

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

LINE NO		PART C. 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 D. 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.	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.
8	If Energy Source is Wind, Enter the Number of Turbines						
9	Combined Heat and Power Producer (Check Yes or No)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	Do You Consider This to be a Distributed Generator (Check Yes or No)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	Mode of Transportation for Fuel	a.					
		b.					

PART E. 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.	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	If Energy Source is Wind (enter the number of turbines)						
8	Combined Heat and Power Producer (Check Yes or No)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9	Do You Consider This to be a Distributed Generator (Check Yes or No)						
10	Mode of Transportation for Fuel	a.					
		b.					

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Page of

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

Council

Reporting Party

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

Plant Name
 EIA Plant Code

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

LINE NO		Generator (a)		Generator (b)		Generator (c)	
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.		a.		a.	
		b.		b.		b.	
		c.		c.		c.	
		d.		d.		d.	
		e.		e.		e.	
		f.		f.		f.	
7	New Prime Mover Code						

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Page of

U.S. Department of Energy Energy Information Administration Form EIA-411 (2004)		<i>COORDINATED BULK POWER SUPPLY PROGRAM REPORT</i>		U.S. Department of Energy Energy Information Administration Form EIA-411 (2002)	
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 G. 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)
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					
1	Generator Identification, Legal Name, Business Address, Contact Person, and Telephone of the Entity to Which this Facility was Sold.				
1					
Check if no change to preprinted data on this page. []					
Page [] of []					

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SUPP

REPORT FOR: <respondent name > <respondent id>

REPORTING PERIOD: As of January 1, 2004

Council		
Reporting Party		

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

PART H. OWNERSHIP OF GENERATORS OWNED JOINTLY OR BY OTHERS, JOINT OWNER NAME AND CONTACT INFORMATION

PLANT NAME (a)			
EIA PLANT CODE (b)			
GENERATOR IDENTIFICATION (c)			
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:	
JOINT OWNER 11: NAME		% OWNED (e):	
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

Council

Reporting Party

SCHEDULE 4. PART A. HISTORICAL AND PROJECTED CAPACITY PURCHASES (MEGAWATTS) - SUMMER
 (If Necessary, Copy and Attach Additional Sheets)

LINE NO.	OTHER PARTY EIA CODE (a)	YEAR					
		2003 (b)	2004 (c)	2005 (d)	2006 (e)	2007 (f)	2008 (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	Total						

SCHEDULE 4. PART B. HISTORICAL AND PROJECTED CAPACITY PURCHASES (MEGAWATTS) - WINTER
 (If Necessary, Copy and Attach Additional Sheets)

LINE NO.	OTHER PARTY EIA CODE (a)	YEAR					
		2003/2004 (b)	2004/2005 (c)	2005/2006 (d)	2006/2007 (e)	2007/2008 (f)	2008/2009 (g)
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22	Total						

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

Council	
Reporting Party	

SCHEDULE 4. PART C. HISTORICAL AND PROJECTED CAPACITY SALES (MEGAWATTS) - SUMMER
 (If Necessary, Copy and Attach Additional Sheets)

LINE NO.	OTHER PARTY EIA CODE (a)	YEAR					
		2003 (b)	2004 (c)	2005 (d)	2006 (e)	2007 (f)	2008 (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	Total						

SCHEDULE 4. PART D. HISTORICAL AND PROJECTED CAPACITY SALES (MEGAWATTS) - WINTER
 (If Necessary, Copy and Attach Additional Sheets)

LINE NO.	OTHER PARTY EIA CODE (a)	YEAR					
		2003/2004 (b)	2004/2005 (c)	2005/2006 (d)	2006/2007 (e)	2007/2008 (f)	2008/2009 (g)
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22	Total						

REPORT FOR: <respondent name > <respondent id>

REPORTING PERIOD: As of January 1, 2004

Council	
Reporting Party	

SCHEDULE 6. PROPOSED TRANSMISSION LINES
(If Necessary or Multiple Owners, Copy and Attach Additional Sheets)

LINE NO.	TRANSMISSION LINE (a)	TRANSMISSION LINE (b)	TRANSMISSION LINE (c)
TRANSMISSION LINE IDENTIFICATION			
1	Terminal Location (From)		
2	Terminal Location (To)		
TRANSMISSION LINE OWNERSHIP			
3	Company Name		
4	EIA Company Code		
5	Type of Organization		
6	Percent Ownership		
TRANSMISSION LINE DATA			
7	Line Length (miles)		
8	Line Type	[] OH [] UG [] SM	[] OH [] UG [] SM
9	Voltage Type	[] AC [] DC	[] AC [] DC
10	Voltage Operating (Kilovolts)		
11	Voltage Design (Kilovolts)		
12	Conductor Size (MCM)		
13	Conductor Material Type (Select codes from legend below)		
14	Bundling Arrangement (Select codes from legend below)		
15	Circuits per Structure Present		
16	Circuits per Structure Ultimate		
17	Pole/Tower Type (Select codes from legend below)	Pole Material: []	Pole Material: []
		Pole Type: []	Pole Type: []
18	Capacity Rating (Megavoltamperes)		
19	Projected In-Service Date (e.g., 12-2004)		

LEGEND

Line Type	Voltage Type	Conductor Material Type	Bundling Arrangement	Pole/Power Type	
				Pole Material	Pole Type
OH=Overhead UG=Underground SM=Submarine	AC=Alternating Current DC=Direct Current	AL = Aluminum ASCR = ASCR CU = Copper OT = Other	1 = Single 2 = Double 3 = Triple 4 = Quadruple OT = Other	W = Wood C = Concrete S = Steel B = Combination P = Composite O = Other	P = Single pole H = H-frame T = Tower U = Underground O = Other

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

Council	
Reporting Party	

SCHEDULE 8. FOOTNOTES
 (If Necessary, Copy and Attach Additional Sheets)

LINE NO.	SCHEDULE (a)	PART (b)	LINE NO. (c)	COLUMN (d)	PAGE (e)	COMMENT (f)
1						
2						
3						
4						
5						
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7						
8						
9						
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27						

REPORT FOR: < respondent name > < respondent id >

REPORTING PERIOD: As of January 1, 2004

SCHEDULE 9. AUTHORIZATION FOR REPORTING

The respondent authorizes the agent designated below to submit on its behalf, the Form EIA-411, Schedule 3 (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	