

Year: 2013

Form Approval: OMB No. 1905-0129 Approval Expires: 10/31/2013

Burden: 2.7 Hours

**NOTICE:** This report is **mandatory** under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.** 

| SCHEDULE 1. IDE  | ENTIFICATION  |
|--|---|
| Survey Contact   |   |
| First Name:  | Last Name:  |
| Title:   |   |
| Telephone (include extension):   | Fax:  |
| Email:   |   |
| Address:   | City:   |
| State:   | Zip:  |
| Supervisor of Contact Person for Survey  |   |
| First Name:  | Last Name:  |
| Title:   |   |
| Telephone (include extension):   | Fax:  |
| Email:   |   |
| Address:   | City:   |
| State:   | Zip:  |
| Report For   |   |
| Company Name:  |   |
| Plant Name:  | Regulated ☐ Yes ☐ No                                  |
| Plant ID: Plant County:  | CHP ☐ Yes ☐ No  |
| Address:   | CHP Efficiency %                                      |
| City: State:   |   |
| Reporting Month/Year:  |   |
| Contac   |   |
| For questions related to E-filing: <u>EIASurveyHelpCenter@eia.gov</u> , 20   | 02-586-9595   |
| For questions about the data requested on this form, contact one of the <a href="mailto:923@eia.gov">923@eia.gov</a> . | ne survey managers below, preferably by email at EIA- |
| Schedules 1 and 4: Chris Cassar, 202-586-5448  |   |
| Schedule 2: Rebecca Peterson, 202-586-4509   |   |
| Schedules 3 and 5: Ron Hankey, 202-586-2630  |   |
| <u>Schedules 6, 7, and 8</u> : Channele Wirman, 202-586-5356<br>EIA-923 Fax: 202-287-1938                              |   |
| LIN-925 I ax. 202-201-1950   |   |



Year: 2013

| lant Name:                         |                  |                             |                  |   | <del></del>  |  |
|------------------------------------|------------------|-----------------------------|------------------|---|--|--|
| ant ID:                            |                  | State:                      | Rep              | oorting Month/Yea   | r:   |  |
| SCHEDULE 2. I                      | CONTRACT         | INFORMATIO                  | N, RECEIP        |   |  | itillate fuel oil, ar  |
| No Receipts (If applicable, please | check.)          |                             |                  | a fuel tolling agre<br>please check.)                                 | ement in place for   | this plant? (If  |
| Contract Infor                     | mation           |                             | R                | eceipts   | Cost p   | er Unit  |
| Fuel Supplier Name                 | Contract<br>Type | Contract<br>Expiration Date | Energy<br>Source | Quantity Purchased (solids in tons, liquids in barrels, gases in Mcf) | Total Delivered Cost (cents per MMBtu, to the nearest 0.1) | Commodity Cost<br>(Coal, Natural Gas)<br>(cents per MMBtu,<br>to the nearest<br>0.1) |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |
|                                    |                  |                             |                  |   |  |  |



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### SCHEDULE 2. PAGE 2. COST AND QUALITY OF FUEL PURCHASES – PLANT LEVEL QUALITY OF FUEL AND TRANSPORTATION

For coal-fueled plants 50 megawatts and above; and for plants fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil 200 megawatts and above.

| Purchases             |                  |                  | Quality of Fuel as Received |  |  | Fuel Transportation  |   |                          |   |   |
|-----------------------|------------------|------------------|-----------------------------|--|--|--|---|--------------------------|---|---|
| Carried For           | ward from S      | Schedule 2. Pa   | age 1.                      | All Fuels  | Coal, Pet<br>Coke, and<br>RFO                                  | Coal and<br>Pet Coke                                       | Coal Only   | Natural Gas              |   | Pet Coke,<br>nd Oil   |
| Fuel Supplier<br>Name | Contract<br>Type | Energy<br>Source | Quantity<br>Purchased       | Heat<br>Content<br>(MMBtus to<br>nearest<br>0.001) | Sulfur<br>Content<br>(percent<br>weight to<br>nearest<br>0.01) | Ash<br>Content<br>(percent<br>weight to<br>nearest<br>0.1) | Mercury<br>Content<br>(ppm to<br>nearest<br>0.001 or<br>enter 9 if<br>not<br>available) | Firm or<br>Interruptible | Predomin<br>ant Mode<br>(Mode<br>used to<br>transport<br>fuel over<br>the<br>longest<br>distance) | Secondary<br>Mode<br>(Mode used<br>to transport<br>fuel over the<br>second-<br>longest<br>distance) |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |
|                       |                  |                  |                             |  |  |  |   |                          |   |   |



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|-------------|--------|-----------------------|--|
| Plant ID:   | State: | Reporting Month/Year: |  |

### SCHEDULE 2. PAGE 3. COST AND QUALITY OF FUEL PURCHASES – PLANT LEVEL COAL MINE INFORMATION

For coal-fueled plants 50 megawatts and above; and for plants fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil 200 megawatts and above.

| Pu                 | Purchases Information |                 |                       |                       | С              | oal Mine | Information          |  |
|--------------------|-----------------------|-----------------|-----------------------|-----------------------|----------------|----------|----------------------|--|
| Carried For        | ward from Sch         | edule 2. Page 1 |                       |                       |                |          |                      | Coal Mine                                      |
| Fuel Supplier Name | Contract Type         | Energy Source   | Quantity<br>Purchased | Coal<br>Mine<br>State | Mine Coal Mine |          | Coal<br>Mine<br>Name | County<br>(for imported<br>coal, enter<br>IMP) |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |
| _                  |                       |                 |                       |                       |                |          |                      |  |
|                    |                       |                 |                       |                       |                |          |                      |  |



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| Plant Nar              | me:   |                  |  |  |   |   |   |  |
|------------------------|---|------------------|--|--|---|---|---|--|
| Plant ID:              |   |                  |  | State:   | Reporting   | ng Month/Year:  |   |  |
|                        | SC  | CHEDULE          |  | ER INFORMATION F<br>PLANTS — FUEL CO   |   |   | ANIC-FUELED   |  |
| Report or              | This schedule must be completed by plants with a total steam turbine capacity of <b>10 megawatts and above</b> that burn organic fuels. Report only fuels consumed in the boilers or, for HRSGs, in duct burners. If no fuel is consumed for the HRSG at combined-cycle plants, report zero. Do not leave blank. Report consumption in combustion turbines or IC engines on SCHEDULE 3. PART B. |                  |  |  |   |   |   |  |
| If this doe            | es not apply  | , go to SC       | nnually, Schedules<br>HEDULE 3. PART I<br>ach Boiler ID.                 | s <b>3A and 5A must be</b><br>B.   | reported fo   | r each month.   |   |  |
|                        | Did any boi<br>(If applicable   | -                |  | es other than electric   | power gener   | ation during this r   | eporting period?  |  |
| Prime<br>Mover<br>Code | Boiler ID   | Boiler<br>Status | Energy Source  (See Table 8 on pages 22 through 23 in the Instructions.) | Quantity Consumed  (Enter zero when a fuel has no consumption for this reporting period) | Type of<br>Physical<br>Units<br>(tons,<br>barrels,<br>or Mcf) | Average Heat Content  (as burned, to nearest 0.001 MMBtu per ton, barrel, or Mcf) | Sulfur<br>Content<br>(coal, pet coke,<br>RFO, and WO,<br>to nearest<br>0.01%) | Ash<br>Content<br>(coal and<br>PC only, to<br>nearest<br>0.1%) |
|                        |   |                  |  | OBL, or OG in the EleG gas is methane."  | nergy Source  | e column, please  | identify the catego   | ry and   |



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| Plant Name:  |  |   |  |  |
|--|--|---|--|--|
| Plant ID:  |  | State: Reporting Mo   | onth/Year:   |  |
|  | SCHEDULE 3. PART B. FO   | UEL CONSUMPTION - PRIME   | MOVER LEVEL  |  |
| turbines, IC engines, fuel of prime movers of a single ty number. Report pumping | colants with organic-fueled stear<br>cells, pumped storage hydroele<br>ype. In other words, all natural<br>energy in megawatthours for po-<br>for each Prime Mover Type. (\$ | ectric units and compressed air<br>gas consumed by all combusti<br>umped-storage plants and com | units. Aggregate qua<br>on gas turbines should<br>pressed air units. | intity consumed for                                  |
| ☐ Was steam produ<br>(If applicable, pleas                                       | uced for purposes other than elected the check.)   | ectric power generation during  | this reporting period?   |  |
| Prime Mover Code   | Energy Source<br>(See Table 8 in the<br>instructions.)   | Quantity Consumed (Enter zero when a fuel has no consumption for this reporting period.)        | Type of Physical<br>Units<br>(tons, barrels, or<br>Mcf)              | Average Heat Content (MMBtu per ton, varrel, or Mcf) |
|  |  |   |  |  |
|  |  |   |  |  |
| If Energy Source is OTH,   | , OBS, OBG, OBL, or OG, plea   | se specify  |  |  |



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|--|--|--|---|---|--|-------------------------------------|--|------------------------------|--|--|
| Plant Name:  |  |  |   |   |  | <u> </u>                            |  |                              |  |  |
| Plant ID:  |  |  |   | _ State:  | Reporting  | Month/Year:                         |  |                              |  |  |
| SCHI   | EDULE 4  | 4. FOSS  |   | _   | OF THE REPOR<br>Natural Gas Pla  |                                     | AND DATA BALA  | NCE                          |  |  |
| Distillate-typ Petroleum of Include back-up Include start-up a Do not report sto Stocks held off-s central stora 9 of this forr Enter zero if the Enter adjustmen comment to | (No. 5 as pe oils (in coke (ton fuels. and flam ocks for voite that coage site in m. plant hat to stoe explain | and No. 6 ncluding of the stabilization of the stab | fuel oils) (barrels<br>diesel oil, No. 2 o<br>cation fuels.<br>al, natural gas, or<br>e assigned to an i<br>reported separate | r wood waste. Do<br>individual plant a<br>ely. New sites sh<br>e blank.<br>e positive or neg<br>ments grid. | o enter a commer<br>re to be reported<br>rould be indicated<br>ative. See instru | as stocks held a<br>I in the Commen | as balance does<br>it a central storag<br>t Section, located<br>nal information. | e site. Each<br>in SCHEDULE  |  |  |
| Energy Source<br>(See Table 8 in<br>the Instructions.)   | Type of<br>Ur<br>(tons, b  | Physical<br>nits<br>parrels, or<br>Mcf)  | Previous Month's Ending Stocks (1)  | Current Month's<br>Receipts (2)   | Current Month's<br>Consumption<br>(3)  | Ending Stocks<br>(4)                | Adjustment to<br>Stocks* (5)   | Balance** (6)<br>4=(1+2-3+5) |  |  |
| *Explain any adj   |  |  |   |   |  |                                     |  |                              |  |  |
| (from Column 5   |  | E  | Energy Source   |   | Explanation  |                                     |  |                              |  |  |
|  |  |  | eceipts minus Co<br>alance is not zero  |   |  | ment should equ                     | al Ending Stocks   | . The balance                |  |  |
| Balance<br>(from Column 6  |  | E  | Energy Source   |   |  | Explanation                         |  |                              |  |  |
|  |  |  |   |   |  |                                     |  |                              |  |  |



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|-------------|--------|-----------------------|--|
| Plant ID:   | State: | Reporting Month/Year: |  |
|             |        |                       |  |

#### SCHEDULE 5. PART A. GENERATOR INFORMATION FOR STEAM-ELECTRIC ORGANIC-FUELED PLANTS

This schedule must be completed ONLY for generators at steam-electric organic-fueled plants with a total steam turbine capacity of 10 megawatts and above. Report generation for all other types of prime movers (combustion turbines, IC engines, wind, or hydro-electric turbines, and compressed air units.), and steam turbine plants with less than 10 megawatts total capacity or fueled by nuclear, solar, geothermal, or other energy sources on SCHEDULE 5. PARTS B or C. Generation reported on SCHEDULE 5, Part A corresponds to the fuel consumption reported on SCHEDULE 3. Part A.

Industrial or Commercial Sector plants may report gross generation ONLY if net generation is not measured (see instructions for definition of net generation).

Complete a separate row for each Generator ID. See Generator ID information in the instructions for Schedule 5. Part A.

| Prime<br>Mover<br>Code | Generator<br>ID | Generator<br>Status | Gross Generation<br>(MWh) | Net Generation<br>(MWh) |
|------------------------|-----------------|---------------------|---------------------------|-------------------------|
|                        |                 |                     |                           |                         |
|                        |                 |                     |                           |                         |
|                        |                 |                     |                           |                         |
|                        |                 |                     |                           |                         |
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|                        |                 |                     |                           |                         |



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| Plant Name:   |  |       |  |  |  |  |  |  |
|---|--|-------|--|--|--|--|--|--|
| Plant ID:   | State: Reporting Month/                                      | Year: |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
| SCHEDULE 5. PART B. PRIME MOVER LEVEL GENERATION  |  |       |  |  |  |  |  |  |
| This schedule must be completed ONLY by steam-electric organic-fueled plants with a total steam turbine capacity less than 10 megawatts, by combined-cycle plants whose steam portion of the operation is under 10 MW, and all IC engines, fuel cells, combustion turbines, pumped-storage hydroelectric turbines, and compressed air units. Generation reported on this schedule corresponds to the fuel consumption reported on SCHEDULE 3. Part B.  In the applicable Gross Generation or Net Generation cell, enter the aggregate generation for prime movers of a single type. For example, enter the total generation from all combustion turbines. Industrial or Commercial Sector plants may report gross generation ONLY if net generation is not measured (see instructions for definition of net generation).  Complete a separate row for each Prime Mover Type. (See Table 7 of the instructions.) |  |       |  |  |  |  |  |  |
| Prime Mover Code  | Prime Mover Code Gross Generation (MWh) Net Generation (MWh) |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
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|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |
|   |  |       |  |  |  |  |  |  |



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|--|-------------|--------|-------------------------|--|
|  | Plant ID:   | State: | Reporting Month/Year: _ |  |

#### SCHEDULE 5. PART C. GENERATION FROM NUCLEAR AND OTHER NONCOMBUSTIBLE ENERGY SOURCES

This schedule must be completed by all nuclear plants and by all wind, solar, geothermal, hydroelectric, or other plants where the energy source is noncombustible, such as purchased steam or waste heat. No fuel consumption is required for these types of plants. Report generation by energy source for nuclear, wind, solar, geothermal, conventional hydroelectric and miscellaneous sources such as purchased steam or waste heat. Do not report generation at a combined-cycle plant. All combined-cycle generation is reported on SCHEDULE 5. PART A or B. Report nuclear data by generating unit.

In the applicable Gross Generation or Net Generation cell, enter the aggregate generation for prime movers of a single type. For example, enter the total generation from all combustion turbines. Industrial or Commercial Sector plants may report gross generation only if net generation is not measured (see instructions for definition of net generation).

Complete a separate row for each Prime Mover Type. (See Table 7 of the instructions.)

| Prime<br>Mover<br>Code | Energy<br>Source | Unit Code<br>(nuclear) | Gross Generation<br>(MWh) | <b>Net Generation</b><br>(MWh) |
|------------------------|------------------|------------------------|---------------------------|--------------------------------|
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |
|                        |                  |                        |                           |                                |



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| Plant Name:   |  |
|---|--|
| Plant ID: State:  | Reporting Month/Year:  |
| SCHEDULE 6. NONUTILITY ANNUAL SO                              | URCE AND DISPOSITION OF ELECTRICITY  |
| SCHEDULE 6 collects calendar year data (no monthly detail).   |  |
| Report all generation in megawatthours (MWh) rounded to a who | ole number.  |
| Source of Electricity   | Disposition of Electricity   |
| (1) Gross Generation (Annual)                                 | (4) Station Use  |
| (2) Other Incoming Electricity                                | (5) Direct Use (Industrial and Commercial Sector Plants, both CHP and non-CHP) |
|   | (6) Total Facility Use (4 + 5)   |
|   | (7) Retail Sales to Ultimate Customers   |
|   | (8) Sales for Resale   |
|   | (9) Other Outgoing Electricity   |
| (3) Total Sources (1 + 2)                                     | (10) Total Disposition (6 + 7 + 8 + 9)   |
| Total Sources must equa                                       | al Total Disposition (3 = 10)  |



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| Plant Name:   |
|---|
| Plant ID: State: Reporting Month/Year:  |
| SCHEDULE 7. ANNUAL REVENUES FROM SALES FOR RESALE   |
| SCHEDULE 7 must be completed by respondents who entered a positive amount on SCHEDULE 6, Disposition of Electricity, Item 8, Sales for Resale.  |
| Sales for Resale is energy supplied to other electric utilities, cooperatives, municipalities, Federal and State electric agencies, power marketers, or other entities for resale to end-use consumers. |
| Annual Revenues from Sales for Resale (in thousand dollars):  |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
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#### **SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION**

SCHEDULE 8. PARTS A through F are filed annually by thermoelectric power plants (organic fueled, nuclear, and combined-cycle) with a total steam turbine capacity of 10 megawatts and above. Plants with a total steam turbine capacity of 10 megawatts to less than 100 MW file only Parts C, E, and F.

#### SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

Enter the quantity of combustion byproducts for the year by type of disposal (to nearest 0.1 thousand tons). Report sales of steam in million Btu (MMBtu). If actual data are not available, provide an estimated value.

#### ☐ NO BYPRODUCTS

|  |                     | Disposa          | I                    | Sale | or Benefic      | cial Use         | Stor              | Total              |  |
|--|---------------------|------------------|----------------------|------|-----------------|------------------|-------------------|--------------------|--|
| Byproduct                                  | On-Site<br>Landfill | On-Site<br>Ponds | Disposal<br>Off-site | Sold | Used<br>On-site | Used<br>Off-site | Stored<br>On-site | Stored<br>Off-site |  |
| Fly ash from standard boiler/PCD units     |                     |                  |                      |      |                 |                  |                   |                    |  |
| Fly ash from units with dry FGD            |                     |                  |                      |      |                 |                  |                   |                    |  |
| Fly ash from FBC units                     |                     |                  |                      |      |                 |                  |                   |                    |  |
| Bottom ash from standard boiler units      |                     |                  |                      |      |                 |                  |                   |                    |  |
| Bottom (bed) ash from FBC units            |                     |                  |                      |      |                 |                  |                   |                    |  |
| FGD Gypsum                                 |                     |                  |                      |      |                 |                  |                   |                    |  |
| Other FGD byproducts                       |                     |                  |                      |      |                 |                  |                   |                    |  |
| Ash from coal gasification (IGCC) units    |                     |                  |                      |      |                 |                  |                   |                    |  |
| Other (specify via footnote on SCHEDULE 9) |                     |                  |                      |      |                 |                  |                   |                    |  |
| Steam Sales (MMBtu)                        |                     |                  |                      |      |                 |                  |                   |                    |  |



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| lant Name:        |  |           |                                    |  |   |            | _                                 |  |  |
|-------------------|--|-----------|------------------------------------|--|---|------------|-----------------------------------|--|--|
| lant ID:          |  |           |                                    | State:   | Reporting Mo  | onth/Year: |                                   |  |  |
|                   |  |           |                                    |  |   |            |                                   |  |  |
| S                 | CHEDULE 8. F                             | PART B.   | FINAN                              | CIAL INFORMATIC                                    | ON RELATED TO C                                       | OMBUST     | ION BYPR                          | ODUCTS                                   |  |
| f actual data are | e not available,                         | provide a | an estim                           | nated value.                                       |   |            |                                   |  |  |
|                   | Operation                                | on and M  | aintena                            | nce (O&M) Expend                                   | ditures During Yea                                    | ar (Thousa | and Dollars                       | s)                                       |  |
| Туре              | ne i i i i i i i i i i i i i i i i i i i |           |                                    |  | (4) Water Pollution Abatement (5) Other Pollu Abateme |            | ollution                          |  |  |
| Collection        |  |           |                                    |  |   |            |                                   |  |  |
| Disposal          |  |           |                                    |  |   |            |                                   |  |  |
| Other             |  |           |                                    |  |   |            |                                   |  |  |
| Capital           | Expenditures                             | for New   | Structu                            | res and Equipmen<br>(Thousand                      |   | cluding La | and and In                        | terest Expense                           |  |
| Туре              | <u> </u>                                 |           | (8)<br>ater Pollution<br>Abatement | (9)<br>Solid/Contained Waste                       |   | Other      | (10)<br>Other Pollution Abatement |  |  |
| Amount            |  |           |                                    |  |   |            |                                   |  |  |
|                   |  | 1         | Ву                                 | product Sales Rev<br>(Thousand                     |   |            |                                   |  |  |
| Туре              | (11)<br>Fly Ash                          |           |                                    | (13)<br>Fly and Bottom<br>Ash Sold<br>Intermingled | (14)<br>Flue Gas<br>Desulfurization<br>Byproducts     | Ot<br>Bypr | 15)<br>her<br>oduct<br>enue       | (16)<br><b>Total</b><br>(11+12+13+14+15) |  |
| Amount            |  |           |                                    |  |   |            |                                   |  |  |



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| Plant Name:   |   |                                  |                       |  |  |  |  |  |
|---|---|----------------------------------|-----------------------|--|--|--|--|--|
| Plant ID:   | State:  | Reporting Month/Year: _          |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
| SCHEDULE 8. PART C. BOILER INFORMATION NITROGEN OXIDE EMISSION CONTROLS |   |                                  |                       |  |  |  |  |  |
| Complete a separate row for ea  | ach boiler.<br>h the Boiler ID as reported on For | rm EIA-860, "Annual Electric Gen | erator Report."       |  |  |  |  |  |
| ☐ No NO <sub>x</sub> Controls   |   |                                  |                       |  |  |  |  |  |
| Boiler ID   | NO <sub>x</sub> Control In-Service                | NO <sub>x</sub> Emission         | Rate (lbs/MMBtu)      |  |  |  |  |  |
| Boller ID   | (hours)   | Entire Year                      | May through September |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   |   |                                  |                       |  |  |  |  |  |
|   | I   | 1                                |                       |  |  |  |  |  |



Year: 2013

| Plant Name            | e:                                   |   |  |                     |           |                                     |           |   |                           |  |  |   |   |
|-----------------------|--------------------------------------|---|--|---------------------|-----------|-------------------------------------|-----------|---|---------------------------|--|--|---|---|
| Plant ID: _           |                                      |   |  |                     |           | Sta                                 | te:       |   |                           | Reporting                                      | Year:  |   |   |
|                       |                                      |   |  | S                   | CHEDULE 8 | 3. PART D.                          | MONTHLY C | OOLING SYSTE                            | M INFORMAT                | TON  |  |   |   |
|                       |                                      |   |  |                     |           | Reporti                             | ng Month: |   | _                         |  |  |   |   |
|                       |                                      |   |  |                     |           |                                     |           | cle plants and nuc<br>parate page for e |                           |  |  |   |   |
| Cooling               | stem ID   System   Cooling   Service |   |  |                     |           | of Cooling Wat<br>to the nearest 0. |           |   | Co                        | oling Water Tem<br>(degrees Fahrer             |  |   |   |
| System ID<br>or Plant |                                      | Added to Cooling Water (1000 lbs to nearest | Cooling<br>Water (1000<br>lbs to nearest | Hours in<br>Service | Diversion | Withdrawal                          | Discharge | Consumption                             | Measured or<br>Estimated? | Average<br>Monthly<br>Temperature<br>at Intake | Maximum<br>Temperature<br>for the Month<br>at Intake | Average<br>Monthly<br>Temperature<br>at Discharge | Maximum<br>Temperature<br>for the Month at<br>Discharge |
|                       |                                      |   |  |                     |           |                                     |           |   |                           |  |  |   |   |
|                       |                                      |   |  |                     |           |                                     |           |   |                           |  |  |   |   |
|                       |                                      |   |  |                     |           |                                     |           |   |                           |  |  |   |   |
|                       |                                      |   |  |                     |           |                                     |           |   |                           |  |  |   |   |
|                       |                                      |   |  |                     |           |                                     |           |   |                           |  |  |   |   |
|                       |                                      |   |  |                     |           |                                     |           |   |                           |  |  |   |   |



Year: 2013

Form Approved: OMB No. 1905-0129

Approval Expires: 10/31/2013

Burden: 2.7 hrs

| Plant Name:                    |                         |                      |   |                               |  |  |
|--------------------------------|-------------------------|----------------------|---|-------------------------------|--|--|
| Plant ID:                      |                         |                      | State:  | Reporting Yea                 | ar:  |  |
|                                |                         | SCHEDU               | LE 8. PART E. FLUE GAS                              | PARTICULATE COLLECTION INFORM | ATION                                      |  |
| ☐ Does not app Complete a sepa |                         | ue gas particulate c | ollector.   |                               |  |  |
| Flue Gas                       |                         |                      | Typical Particulate                                 | Removal Efficiency of Par     | ticulate Mat                               | ter (nearest 0.1% by weight)                           |
| Particulate<br>Collector ID    | FGP Collector<br>Status | Hours in<br>Service  | Emissions Rate<br>(to the nearest 0.01<br>lb/MMBtu) | At Annual Operating<br>Factor | At 100%<br>Load or<br>Tested<br>Efficiency | Date of Most Recent<br>Efficiency Test (e.g., 12-2005) |
|                                |                         |                      |   |                               |  |  |
|                                |                         |                      |   |                               |  |  |
|                                |                         |                      |   |                               |  |  |
|                                |                         |                      |   |                               |  |  |
|                                |                         |                      |   |                               |  |  |
|                                |                         |                      |   |                               |  |  |
|                                |                         |                      |   |                               |  |  |



#### Form EIA-923

#### **POWER PLANT OPERATIONS REPORT**

Year: 2013

Form Approved: OMB No. 1905-0129

Approval Expires: 10/31/2013

Burden: 2.7 hrs

|   |                               |  |           | <u> </u>                        |                               |                                      |  |                            |  |
|---|-------------------------------|--|-----------|---------------------------------|-------------------------------|--------------------------------------|--|----------------------------|--|
| Plant Name:   |                               |  |           |                                 |                               |                                      |  |                            |  |
| Plant ID:   | State: Reporting Year:        |  |           |                                 |                               |                                      |  |                            |  |
| SCHEDULE 8. PART F. FLUE GAS DESULFURIZATION UNIT INFORMATION – ANNUAL OPERATIONS   |                               |  |           |                                 |                               |                                      |  |                            |  |
| Note: Flue Gas Desulfurization ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report."  Complete a separate row for each Flue Gas Desulfurization Unit. |                               |  |           |                                 |                               |                                      | Report."   |                            |  |
|   |                               |  |           |                                 | ANNUAL OPERATI                | ons                                  |  |                            |  |
| Flue Gas  | FGD IInit                     |  | Hours In- | Quantity of FGD<br>Sorbent Used | Electrical<br>Energy          | Removal Ef                           | ficiency of Sulfur Dic                                 | oxide (nearest 0.1% by wt) |  |
| Desulfurization Unit ID   |                               |  |           | Consumption<br>(MWh)            | At Annual<br>Operating Factor | At 100% Load or<br>Tested Efficiency | Date of Most Recent Efficiency<br>Test (e.g., 12-2005) |                            |  |
|   |                               |  |           |                                 |                               |                                      |  |                            |  |
|   |                               |  |           |                                 |                               |                                      |  |                            |  |
|   |                               |  |           |                                 |                               |                                      |  |                            |  |
| OPERATION AND MAINTENANCE EXPENDITURES DURING YEAR, EXCLUDING ELECTRICITY (THOUSAND DOLLARS)  |                               |  |           |                                 |                               |                                      |  |                            |  |
| Flue Gas<br>Desulfurization U<br>ID   | ation Unit Feed Materials and |  |           | Labor and<br>Supervision        | Waste                         | e Disposal                           | Maintenance,<br>Materials,<br>and All Other<br>Costs   | Total                      |  |
|   |                               |  |           |                                 |                               |                                      |  |                            |  |
|   |                               |  |           |                                 |                               |                                      |  |                            |  |



Year: 2013

| Plant Name:  | ·   |      |         |  |  |  |  |  |  |  |
|--|---|------|---------|--|--|--|--|--|--|--|
| Plant ID:  | Plant ID: State: Reporting Month/Year:                          |      |         |  |  |  |  |  |  |  |
| SCHEDULE 9. COMMENTS   |   |      |         |  |  |  |  |  |  |  |
| Comment Section: Explain any unusual values, occurrences, or changes in ownership. |   |      |         |  |  |  |  |  |  |  |
| Schedule   | Part  | Item | Comment |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
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|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  | Changes in Ownership (Provide name of purchaser and date sold.) |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |
|  |   |      |         |  |  |  |  |  |  |  |