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|---|---|---|

**NOTICE:** This report is **mandatory** under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and 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. IDENTIFICATION

### 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: _____ Zip Code: _____

Reporting Month/Year: _____

### Contacts

| | | | |
|---|---|---|---|
| For questions related to E-filing: | | CNEAFHelpcenter@eia.gov | 202-586-9595 |
| For questions about the data requested on this form: | | | |
| Schedules 1 & 4: | Chris Cassar | christopher.cassar@eia.gov | 202-586-5448 |
| Schedule 2: | Rebecca Peterson | rebecca.peterson@eia.gov | 202-586-4509 |
| Schedules 3 & 5: | Ron Hankey | rhankey@eia.gov | 202-586-2630 |
| Schedules 6, 7, & 8: | Channele Wirman | channele.wirman@eia.gov | 202-586-5356 |
| EIA-923 Fax: | 202-287-1959 or 202-287-1960 | | |
| EIA-923 Mailbox: | EIA-923@eia.gov | | |

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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 2. PAGE 1. COST AND QUALITY OF FUEL PURCHASES – PLANT LEVEL**
**CONTRACT INFORMATION, RECEIPTS, AND COSTS**

**For fossil-fueled plants 50 megawatts and above**

☐ No Receipts (If applicable, please check.)

☐ Is there a fuel tolling agreement in place for this plant? (If applicable, please check.)

| Contract Information | | | Receipts | | Cost per Unit | |
|---|---|---|---|---|---|---|
| Fuel Supplier Name | Contract Type | Contract Expiration Date | Energy 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 (Coal, Natural Gas) (cents per MMBtu, to the nearest 0.1) |
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 2. PAGE 2. COST AND QUALITY OF FUEL PURCHASES – PLANT LEVEL**
**QUALITY OF FUEL AND TRANSPORTATION**
**For fossil-fueled plants 50 megawatts and above**

| **Purchases** | | | | **Quality of Fuel as Received** | | | | **Fuel Transportation** | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Carried Forward from Schedule 2. Page 1. | | | | All Fuels | Coal, Pet Coke, RFO, and WO | Coal and Pet Coke | Coal Only | Natural Gas | Coal, Pet Coke, and Oil | |
| Fuel Supplier Name | Contract Type | Energy Source | Quantity Purchased | Heat Content (MMBtus to nearest 0.001) | Sulfur Content (percent weight to nearest 0.01) | Ash Content (percent weight to nearest 0.1) | Mercury Content (ppm to nearest 0.001 or enter 9 if not available) | Firm or Interruptible | Predominant Mode (Mode used to transport fuel over the longest distance) | Secondary Mode (Mode used to transport fuel over the second-longest distance) |
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Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 2. PAGE 3. COST AND QUALITY OF FUEL PURCHASES – PLANT LEVEL**
**COAL MINE INFORMATION**
**For fossil-fueled plants 50 megawatts and above**

| **Purchases Information** | | | | **Coal Mine Information** | | | | |
|---|---|---|---|---|---|---|---|---|
| Carried Forward from Schedule 2. Page 1. | | | | Coal Mine State | Coal Mine MSHA ID | Coal Mine Type | Coal Mine Name | Coal Mine County (for imported coal, enter IMP) |
| Fuel Supplier Name | Contract Type | Energy Source | Quantity Purchased | | | | | |
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 3. PART A. BOILER INFORMATION FOR STEAM-ELECTRIC ORGANIC-FUELED PLANTS — FUEL CONSUMPTION**

This schedule will be completed by plants with a total steam turbine capacity of **10 megawatts and above** 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 does not apply, go to SCHEDULE 3. PART B.

Complete a separate row for each Boiler ID.

☐ Did any boiler produce steam for purposes other than electric power generation during this reporting period?
(If applicable, please check.)

| **Prime Mover Code** | **Boiler ID** | **Boiler 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 Physical Units** (tons, barrels, or Mcf) | **Average Heat Content** (as burned, to nearest 0.001 MMBtu per ton, barrel, or Mcf) | **Sulfur Content** (coal, pet coke, RFO, and WO, to nearest 0.01%) | **Ash Content** (coal and PC only, to nearest 0.1%) |
|---|---|---|---|---|---|---|---|---|
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If you reported the category of OTH, OBS, OBG, OBL, or OG in the Energy Source column, please identify the category and specific fuel name below. For example, “The OBG gas is methane.”

_ _____.

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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 3. PART B. FUEL CONSUMPTION – PRIME MOVER LEVEL**

Report fuel consumed by plants with organic-fueled steam and combined cycle steam capacity u**nder 10 MW**, and all combustion turbines, IC engines, fuel cells, pumped storage hydroelectric units and compressed air units. Aggregate quantity consumed for prime movers of a single type. In other words, all natural gas consumed by all combustion gas turbines should be reported as one number. Report pumping energy in megawatthours for pumped-storage plants and compressed air units.

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

☐ Was steam produced for purposes other than electric power generation during this reporting period?
(If applicable, please check.)

| Prime Mover Code | Energy Source<br>(See Table 8 on pages 22 through 23 in the Instr□ctions.) | Quantity Consumed<br>(Enter zero when a fuel has no consumption for this reporting period.) | Type of Physical Units<br>(tons, barrels, or Mcf) | Average Heat Content<br>(MMBtu per ton, barrel, or Mcf) |
|---|---|---|---|---|
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If you reported the category of OTH, OBS, OBG, OBL, or OG in the Energy Source column, please identify the category and specific fuel name below. For example, “The OBG gas is methane.”

_____

_____

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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 4. FOSSIL FUEL STOCKS AT THE END OF THE REPORTING PERIOD AND DATA BALANCE**
**For Coal, Oil, and Natural Gas Plants**

Report stocks for the following fuels:
- Coal (tons)
- Residual oil (No. 5 and No. 6 fuel oils) (barrels)
- Distillate-type oils (including diesel oil, No. 2 oil, jet fuel and kerosene) (barrels)
- Petroleum coke (tons)

Include back-up fuels.
Include start-up and flame-stabilization fuels.
Do not report stocks for waste coal, natural gas, or wood waste. Do enter a comment if the natural gas balance does not equal zero.
Stocks held off-site that cannot be assigned to an individual plant are to be reported as stocks held at a central storage site. Each central storage site must be reported separately. New sites should be indicated in the Comment Section, located in SCHEDULE 9 of this form.
Enter zero if the plant has no stocks. Do not leave blank.
Enter adjustments to stocks. An adjustment can be positive or negative. See instructions for additional information. Provide a comment to explain adjustments in the adjustments grid.

Enter a comment if the balance does not equal zero in the balance grid.

| **Energy Source** (See Table 8 in the Instructions.) | **Type of Physical Units** (tons, barrels, or Mcf) | **Previous Month's Ending Stocks** (1) | **Current Month's Receipts** (2) | **Current Month's Consumption** (3) | **Ending Stocks** (4) | **Adjustment to Stocks*** (5) | **Balance**** (6) 4=(1+2-3+5) |
|---|---|---|---|---|---|---|---|
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*Explain any adjustments below.

| **Adjustment** (from Column 5 above) | **Energy Source** | **Explanation** |
|---|---|---|
| | | |
| | | |

**Previous Month's Stocks plus Receipts minus Consumption plus (or minus) Adjustment should equal Ending Stocks. The balance will appear in column (6). If the balance is not zero, provide an explanation below.

| **Balance** (from Column 6 above) | **Energy Source** | **Explanation** |
|---|---|---|
| | | |
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

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

This schedule will 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 Mover Code** | **Generator ID** | **Generator Status** | **Gross Generation** (MWh) | **Net Generation** (MWh) |
|---|---|---|---|---|
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 5. PART B. PRIME MOVER LEVEL GENERATION**

This schedule will 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** | **Gross Generation** (MWh) | **Net Generation** (MWh) |
|---|---|---|
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

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

This schedule will 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 Mover Code** | **Energy Source** | **Unit Code** (nuclear) | **Gross Generation** (MWh) | **Net Generation** (MWh) |
|---|---|---|---|---|
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Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

## SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

SCHEDULE 6 collects calendar year data (no monthly detail).

Report all generation in megawatthours (MWh) rounded to a whole 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 equal 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 is to 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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Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**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 that reported on SCHEDULE 3. Part A and SCHEDULE 5 Part A.). 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**

| Byproduct | Disposal | | | Sale or Beneficial Use | | | Storage | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | On-Site Landfill | On-Site Ponds | Disposal Off-site | Sold | Used On-site | Used Off-site | Stored On-site | Stored 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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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

## SCHEDULE 8. PART B. FINANCIAL INFORMATION RELATED TO COMBUSTION BYPRODUCTS

If actual data are not available, provide an estimated value.

| Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars) | | | | | | |
|---|---|---|---|---|---|---|
| **Type** | (1) **Fly Ash** | (2) **Bottom Ash** | (3) **Flue Gas Desulfurization** | (4) **Water Pollution Abatement** | (5) **Other Pollution Abatement** | (6) **Total** (1 + 2 + 3 + 4 + 5) |
| Collection | | | | | | |
| Disposal | | | | | | |
| Other | | | | | | |

| Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars) | | | | |
|---|---|---|---|---|
| **Type** | (7) **Air Pollution Abatement** | (8) **Water Pollution Abatement** | (9) **Solid/Contained Waste** | (10) **Other Pollution Abatement** |
| Amount | | | | |

| Byproduct Sales Revenue During Year (Thousand Dollars) | | | | | | |
|---|---|---|---|---|---|---|
| **Type** | (11) **Fly Ash** | (12) **Bottom Ash** | (13) **Fly and Bottom Ash Sold Intermingled** | (14) **Flue Gas Desulfurization Byproducts** | (15) **Other Byproduct Revenue** | (16) **Total** (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 each boiler.
Note: The Boiler ID must match the Boiler ID as reported on Form EIA-860, "Annual Electric Generator Report."

☐ No $NO_x$ Controls

| **Boiler ID** | **$NO_x$ Control In-Service** (hours) | **$NO_x$ Emission Rate** (lbs/MMBtu) | |
|---|---|---|---|
| | | Entire Year | May through September |
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Year: _____

**SCHEDULE 8. PART D. MONTHLY COOLING SYSTEM INFORMATION**

**Reporting Month**:_____

Note: All steam-electric plants of 100 MW nameplate capacity or greater, including combined cycle plants and nuclear power plants, must respond to this schedule. Cooling System ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report." **Complete a separate page for each month.** Complete a separate row for each cooling system.

| **Cooling System ID or Plant** | **Cooling System Status** | **Monthly Amount of Chlorine Added to Cooling Water** (1000 lbs) | **Hours in Service** | **Average Monthly Rate of Cooling Water** (in cubic feet per second, to the nearest 0.1 $ft^3$) | | | | | **Cooling Water Temperature at Intake** (degrees Fahrenheit) | | **Cooling Water Temperature at Discharge Outlet** (degrees Fahrenheit) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Diversion | Withdrawal | Discharge | Consumption | Measured or Estimated? (If any flow rate data was estimated, select methodology.) | Average Monthly Temperature | Maximum Temperature for the Month | Average Monthly Temperature | Maximum Temperature for the Month | Measured or Estimated? (If any temperature data was estimated, select methodology.) |
| | | | | | | | | | | | | | |
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Plant Name: _____

Plant ID: _____ State: _____ Reporting Year: _____

**SCHEDULE 8. PART E. FLUE GAS PARTICULATE COLLECTION INFORMATION**

☐ Does not apply.

Complete a separate row for each flue gas particulate collector.

| **Flue Gas Particulate Collector ID** | **FGP Collector Status** | **Hours in Service** | **Typical Particulate Emissions Rate** (to the nearest 0.01 lb/MMBtu) | **Removal Efficiency of Particulate Matter** (nearest 0.1% by weight) | | |
|---|---|---|---|---|---|---|
| | | | | At Annual Operating Factor | At 100% Load or Tested Efficiency | Date of Most Recent Efficiency Test (e.g., 12-2005) |
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|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Year: _____

**SCHEDULE 8. PART F. FLUE GAS DESULFURIZATION UNIT INFORMATION – ANNUAL OPERATIONS**

| ☐ Does not apply. | Note: Flue Gas Desulfurization ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report."<br>Complete a separate row for each Flue Gas Desulfurization Unit. |
|---|---|

**ANNUAL OPERATIONS**

| **Flue Gas Desulfurization Unit ID** | **FGD Unit Status** | **Hours In-Service** | **Quantity of FGD Sorbent Used** (to the nearest 0.1 thousand tons) | **Electrical Energy Consumption** (MWh) | **Removal Efficiency of Sulfur Dioxide** (nearest 0.1% by wt) | | |
|---|---|---|---|---|---|---|---|
| | | | | | At Annual Operating Factor | At 100% Load or Tested Efficiency | Date of Most Recent Efficiency Test (e.g., 12-2005) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**OPERATION AND MAINTENANCE EXPENDITURES DURING YEAR, EXCLUDING ELECTRICITY (THOUSAND DOLLARS)**

| **Flue Gas Desulfurization Unit ID** | **Feed Materials and Chemicals** | **Labor and Supervision** | **Waste Disposal** | **Maintenance, Materials, and All Other Costs** | **Total** |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |

| U.S. Department of Energy<br>U.S. Energy Information Administration<br>Form EIA-923 (2011) | *POWER PLANT OPERATIONS REPORT* | Form Approval<br>OMB No. 1905-0129<br>Approval Expires: 12/31/2013<br>Burden: 2.8 Hours |
|---|---|---|

Plant Name: _____

Plant ID: _____ State: _____ Reporting Month/Year: _____

**SCHEDULE 9. COMMENTS**

Comment Section: Explain any unusual values, occurrences, or changes in ownership.

| Schedule | Part | Item | Comment |
|---|---|---|---|
| | | | |

**Changes in Ownership**
**(Provide name of purchaser and date sold.)**