Monthly Flash Estimates of

Electric Power Data

Data for: December 2005

Section 1. Commentary

The warmer than normal weather pattern in place since May 2005 was broken by a colder than normal December. Heating degree days for December 2005 were 3.3 percent above normal and 7.1 percent higher than in December 2004. Year-to-date heating degree days were essentially unchanged, 0.1 percent higher in comparison to 2004, while cooling degree days were up 14.9 percent, due to the warmer than normal trend from May through November 2005.

In line with the change in the weather pattern, total generation in December increased by 13.4 percent from November 2005, and 1.1 percent from December of 2004. Similarly, retail sales of electricity were up 12.5 percent from November 2005, and 2.6 percent from December of a year ago. Year-to-date, electricity generation increased by 1.7 percent and sales increased by 2.9 percent. The average retail price of electricity, declined by 0.4 percent from November 2005, but still was up 10.2 percent compared to a year ago, largely as the result of increased fossil fuel prices.

Nuclear generation in December 2005 was the highest monthly output for the year and the highest since July 2004. All commercial reactors were in service for at least part of the month. For the year, nuclear generation was down 1.0 percent compared to 2004 due to higher levels of maintenance and refueling downtime.

In response to the increased demand due to colder weather, coal generation increased 12.0 percent between November and December 2005, and 0.7 percent from December 2004. The increased coal-fired generation resulted in a 5.1 percent reduction in coal stocks in the electric power sector from November 2005. December 2005 coal stocks remained below 2004 levels, finishing the year 5.3 percent below December 2004 coal stocks. Bituminous and subbituminous coal stocks in the electric power sector both decreased from December 2004. Bituminous stocks dropped 4.2 percent (from 55.0 to 52.7 million tons) and subbituminous stocks dropped 6.7 percent (from 47.6 to 44.4 million tons). Rail transportation maintenance and weather-related problems continued to constrain subbituminous shipments from the Powder River Basin.

Natural gas-fired generation was up 2.8 percent from November, and liquid petroleum-fired generation was up 109.8 percent, in response to the increased demand due to colder weather. Stocks of liquid petroleum increased 2.2 percent from November 2005, and are now above the 2004 levels. Hydroelectric generation increased significantly from November, up 15.4 percent, but was down 17.1 percent from December 2004. Although December was a wet month in the key Pacific Northwest hydroelectric region, reservoirs throughout the western United States are below normal due to water demand growth and years of drought conditions.

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This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the U.S. Department of Energy. The information contained herein should be attributed to the Energy Information Administration and should no be construed as advocating or reflecting any policy of the Department of Energy or any other organization. For additional information contact Orhan Yildiz at 202-287-1586, or at Orhan.Yildiz@eia.doe.gov.



| Table 2.1 Key Generation Indicators | | | | | | | | | | |
|-------------------------------------|---------------------|-----------------------|-----------------------------|--|--|--|--|--|--|--|
| | Total Generation | Nuclear Generation | Hydroelectric Generation | | | | | | | |
| Total Change From: | | | | | | | | | | |
| November 2005 | 13.4% | 14.0% | 15.4% | | | | | | | |
| December 2004 | 1.1% | 4.5% | -17.1% | | | | | | | |
| Year to Date | 1.7% | -1.0% | -1.3% | | | | | | | |
| Latest 12 Month Period* | 1.7% | -1.0% | -1.3% | | | | | | | |

Table 2.2 Key Consumption and Stocks Indicators

| | Natural Gas Consumption | Coal Consumption | Coal Stocks |
|-------------------------|----------------------------|---------------------|-------------|
| Total Change From: | | | |
| November 2005 | 8.3% | 12.4% | -5.1% |
| December 2004 | 0.4% | 0.7% | -5.3% |
| Year to Date | 5.8% | 2.5% | n/a |
| Latest 12 Month Period* | 5.8% | 2.5% | n/a |

Change in total consumption or generation for the latest 12 month period (January 2005 to December 2005) compared to the prior 12 month period (January 2004 to December 2004).

Net Generation (Total, All Sectors)

| Table 3.1 Total Net Generation (All Sectors) | | | | | | | | | | | |
|--|---------|---------|----------|---------|----------|--|--|--|--|--|--|
| Net Generation (thousand megawatthours) | Dec-05 | Dec-04 | % Change | Nov-05 | % Change | | | | | | |
| Coal | 178,082 | 176,763 | 0.7% | 158,947 | 12.0% | | | | | | |
| Petroleum Liquids | 11,031 | 8,138 | 35.5% | 5,259 | 109.8% | | | | | | |
| Natural Gas | 52,597 | 51,154 | 2.8% | 48,711 | 8.0% | | | | | | |
| Nuclear | 71,735 | 68,617 | 4.5% | 62,913 | 14.0% | | | | | | |
| Hydroelectric Conventional | 21,740 | 26,211 | -17.1% | 18,846 | 15.4% | | | | | | |
| All Other | 10,471 | 11,066 | -5.4% | 10,224 | 2.4% | | | | | | |
| Total (All Energy Sources) | 345,657 | 341,948 | 1.1% | 304,899 | 13.4% | | | | | | |

Fossil Fuel Consumption for Electric Generation (Total, All Sectors)

| Table 3.2 Total Consumption of Fossil Fuels for Electric Generation (All Sectors) | | | | | | | | | | |
|---|---|---------|------|---------|-------|--|--|--|--|--|
| Consumption of Fossil Fuels Dec-05 Dec-04 % Change Nov-05 % Change | | | | | | | | | | |
| Coal (Thousand Short Tons) | 92,993 | 92,328 | 0.7% | 82,743 | 12.4% | | | | | |
| Petroleum Liquids (Thousand Barrels) | Petroleum Liquids (Thousand Barrels) 18,760 13,725 36.7% 9,120 105.7% | | | | | | | | | |
| Natural Gas (Million Cubic Feet) | 444,400 | 442,644 | 0.4% | 410,180 | 8.3% | | | | | |

Fossil Fuel Stocks (Electric Power Sector)

| Table 3.3 Total Fossil Fuel Stocks (Electric Power Sector) | | | | | | | | | |
|--|--|--------|------|--------|------|--|--|--|--|
| Fossil Fuel Stocks Dec-05 Dec-04 % Change Nov-05 % Change | | | | | | | | | |
| Coal (Thousand Short Tons) | Coal (Thousand Short Tons) 101,010 106,669 -5.3% 106,481 -5.1% | | | | | | | | |
| Petroleum Liquids (Thousand Barrels) | 48,144 | 46,750 | 3.0% | 47,125 | 2.2% | | | | |

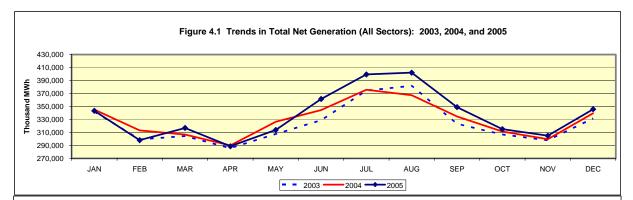
Notes:

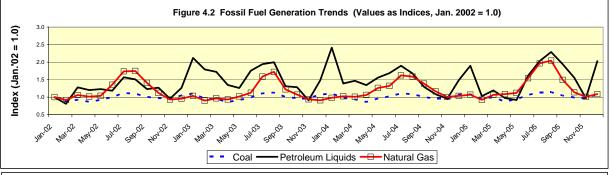
- Coal consumption and generation includes subbituminous coal, bituminous coal, anthracite, lignite, waste coal and synthetic coal (synfuel).
- Coal stocks includes the coal categories listed immediately above except for waste coal.
- Petroleum Liquids consumption and generation includes distillate oil, residual oil, jet fuel, kerosene and waste oil.
- **Petroleum Liquids stocks** includes the oil categories listed immediately above, except waste oil is excluded from data collected for January 2004 and subsequently. Data prior to 2004 contains small quantities of waste oil.
- The "All Other" generation category includes biomass, solar, wind, geothermal, hydroelectric pumped storage, petroleum coke, other gases, and other miscellaneous energy sources.

Table 4.1 Trends in Total Generation by Fuel (All Sectors)
Millions of Kilowatthours

| Year-to-Date Compa | Year-to-Date Comparison | | | | | | | | | | | | | |
|--|-------------------------|---------------|-----------|---------|---------|---------|---------|---------|-----------|--|--|--|--|--|
| Starting Month Ending Month Coal Petroleum Liquids Natural Gas Nuclear Hydroelectric Conventional All Other To | | | | | | | | | | | | | | |
| Current Period | January 2005 | December 2005 | 2,014,191 | 100,063 | 751,302 | 780,465 | 265,053 | 126,318 | 4,037,392 | | | | | |
| Prior Period | January 2004 | December 2004 | 1,978,620 | 99,915 | 708,979 | 788,528 | 268,417 | 126,096 | 3,970,555 | | | | | |
| Percent Change | | | 1.8% | 0.1% | 6.0% | -1.0% | -1.3% | 0.2% | 1.7% | | | | | |

| Comparison to Prior | Comparison to Prior 12 Month Period | | | | | | | | | | | | | |
|---------------------|---|---------------|-----------|---------|---------|---------|---------|---------|-----------|--|--|--|--|--|
| | Starting Month Ending Month Coal Petroleum Liquids Natural Gas Nuclear Hydroelectric Conventional | | | | | | | | | | | | | |
| Current Period | January 2005 | December 2005 | 2,014,191 | 100,063 | 751,302 | 780,465 | 265,053 | 126,318 | 4,037,392 | | | | | |
| Prior Period | January 2004 | December 2004 | 1,978,620 | 99,915 | 708,979 | 788,528 | 268,417 | 126,096 | 3,970,555 | | | | | |
| Percent Change | | | 1.8% | 0.1% | 6.0% | -1.0% | -1.3% | 0.2% | 1.7% | | | | | |





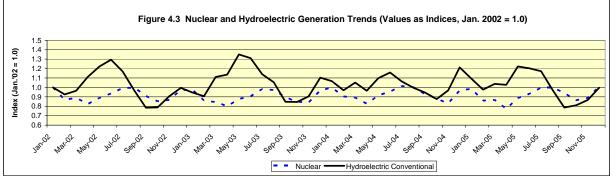
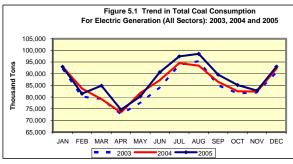
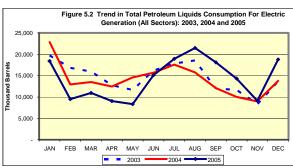


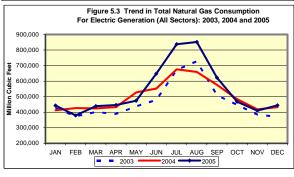
Table 5.1 Trends in Fossil Fuel Consumption For Electric Generation, Total (All Sectors)

| Year-to-Date Comparison | | | | | | | | | | |
|-------------------------|--------------|---------------|-------------------------|---|-------------------------------------|--|--|--|--|--|
| Starting Month En | | Ending Month | Coal (Thousand Tons) | Petroleum Liquids (Thousand Barrels) | Natural Gas (Million Cubic Feet) | | | | | |
| Current Period | January 2005 | December 2005 | 1,051,184 | 172,070 | 6,462,948 | | | | | |
| Prior Period | January 2004 | December 2004 | 1,026,011 | 169,788 | 6,111,307 | | | | | |
| Percent Change | | | 2.5% | 1.3% | 5.8% | | | | | |

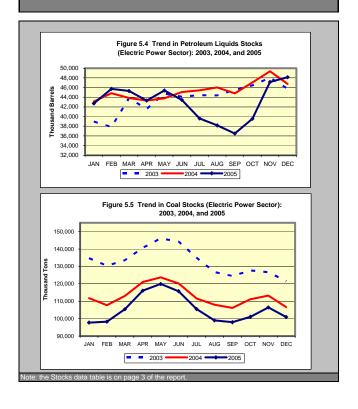
| Comparison to Prior 12 Month Period | | | | | | | | | | | |
|-------------------------------------|----------------|---------------|-------------------------|---|-------------------------------------|--|--|--|--|--|--|
| | Starting Month | Ending Month | Coal (Thousand Tons) | Petroleum Liquids (Thousand Barrels) | Natural Gas (Million Cubic Feet) | | | | | | |
| Current Period | January 2005 | December 2005 | 1,051,184 | 172,070 | 6,462,948 | | | | | | |
| Prior Period | January 2004 | December 2004 | 1,026,011 | 169,788 | 6,111,307 | | | | | | |
| Percent Change | | | 2.5% | 1.3% | 5.8% | | | | | | |







Stocks Trends



Data for: December 2005

Retail Sales

| Table 6.1 Retail Sales (Million kWh) | | | | | | | | | | | | |
|--|--|---------|-------|---------|-------|--|--|--|--|--|--|--|
| Ultimate Customer Dec-05 Dec-04 % Change Nov-05 % Change | | | | | | | | | | | | |
| Residential | 120,573 | 114,338 | 5.5% | 92,012 | 31.0% | | | | | | | |
| Commercial | 104,167 | 101,954 | 2.2% | 99,047 | 5.2% | | | | | | | |
| Industrial | 83,193 | 83,780 | -0.7% | 82,698 | 0.6% | | | | | | | |
| Transportation | Transportation 737 638 15.4% 654 12.7% | | | | | | | | | | | |
| All Sectors | 308,669 | 300,711 | 2.6% | 274,412 | 12.5% | | | | | | | |

Average Retail Price

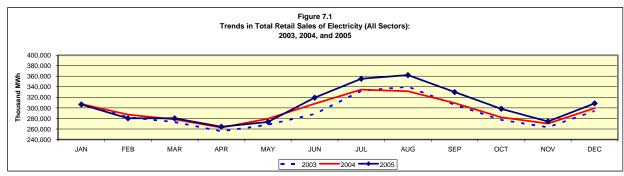
| Table 6.2 Average Retail Price (Cents/kWh) U.S. Total | | | | | | | | | | | | |
|--|------|------|-------|------|-------|--|--|--|--|--|--|--|
| Ultimate Customer Dec-05 Dec-04 % Change Nov-05 % Change | | | | | | | | | | | | |
| Residential | 9.27 | 8.62 | 7.5% | 9.74 | -4.8% | | | | | | | |
| Commercial | 8.72 | 7.81 | 11.7% | 8.74 | -0.2% | | | | | | | |
| Industrial | 5.75 | 5.17 | 11.2% | 5.72 | 0.5% | | | | | | | |
| Transportation 7.13 6.99 2.0% 7.02 1.6 | | | | | | | | | | | | |
| All Sectors | 8.13 | 7.38 | 10.2% | 8.16 | -0.4% | | | | | | | |

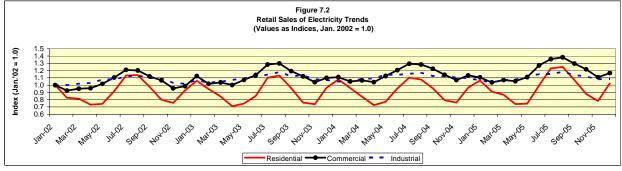
| Table 6.3 Average Retail Price (Cents/kWh) by Census Division | | | | | | | | | |
|---|--------|-------------|----------|-------------|--------|----------|--|--|--|
| Census Division | | Residential | | All Sectors | | | | | |
| | Dec-05 | Dec-04 | % Change | Dec-05 | Dec-04 | % Change | | | |
| New England | 13.98 | 11.44 | 22.2% | 12.60 | 10.24 | 23.0% | | | |
| Mid Atlantic | 12.39 | 11.35 | 9.2% | 10.89 | 9.94 | 9.6% | | | |
| East North Central | 7.90 | 7.96 | -0.8% | 6.71 | 6.45 | 4.0% | | | |
| West North Central | 7.16 | 7.28 | -1.6% | 6.03 | 5.98 | 0.8% | | | |
| South Atlantic | 8.62 | 8.01 | 7.6% | 7.66 | 6.83 | 12.2% | | | |
| East South Central | 7.56 | 6.84 | 10.5% | 6.37 | 5.67 | 12.3% | | | |
| West South Central | 10.43 | 8.70 | 19.9% | 9.06 | 7.25 | 25.0% | | | |
| Mountain | 8.35 | 7.92 | 5.4% | 7.32 | 6.65 | 10.1% | | | |
| Pacific Contiguous | 9.99 | 9.93 | 0.6% | 9.09 | 9.29 | -2.2% | | | |
| Pacific Noncontiguous | 18.68 | 15.23 | 22.7% | 16.99 | 13.60 | 24.9% | | | |
| U.S. Total | 9.27 | 8.62 | 7.5% | 8.13 | 7.38 | 10.2% | | | |

Table 7.1 Trends in Total Retail Sales of Electricity (All Sectors)
Millions of Kilowatthours

| Year-to-Date Comparison | | | | | | | |
|-------------------------|----------------|---------------|-------------|------------|------------|----------------|------------------------|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) |
| Current Period | January 2005 | December 2005 | 1,361,081 | 1,266,602 | 1,016,851 | 8,261 | 3,652,794 |
| Prior Period | January 2004 | December 2004 | 1,293,587 | 1,229,045 | 1,018,522 | 7,064 | 3,548,218 |
| Percent Change | | | 5.2% | 3.1% | -0.2% | 16.9% | 2.9% |

| Comparison to Prior 12 Month Period | | | | | | | | |
|-------------------------------------|----------------|---------------|-------------|------------|------------|----------------|------------------------|--|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) | |
| Current Period | January 2005 | December 2005 | 1,361,081 | 1,266,602 | 1,016,851 | 8,261 | 3,652,794 | |
| Prior Period | January 2004 | December 2004 | 1,293,587 | 1,229,045 | 1,018,522 | 7,064 | 3,548,218 | |
| Percent Change | | | 5.2% | 3.1% | -0.2% | 16.9% | 2.9% | |





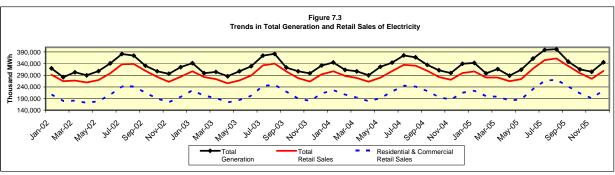
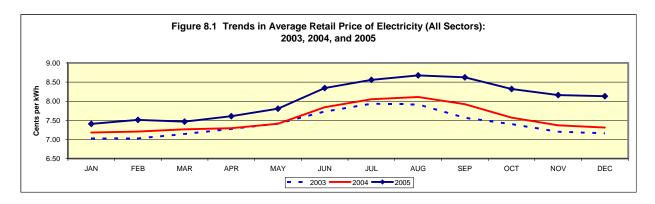


Table 8.1 Trends in Average Retail Price of Electricity (All Sectors)

Cents Per Kilowatthours

| Year-to-Date Comparison | | | | | | | | |
|-------------------------|----------------|---------------|-------------|------------|------------|----------------|------------------------|--|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) | |
| Current Period | January 2005 | December 2005 | 9.42 | 8.68 | 5.57 | 7.44 | 8.09 | |
| Prior Period | January 2004 | December 2004 | 8.97 | 8.16 | 5.27 | 7.13 | 7.62 | |
| Percent Change | | | 5.0% | 6.4% | 5.7% | 4.3% | 6.2% | |

| Comparison to Prior 12 Month Period | | | | | | | |
|-------------------------------------|----------------|---------------|-------------|------------|------------|----------------|------------------------|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) |
| Current Period | January 2005 | December 2005 | 9.42 | 8.68 | 5.57 | 7.44 | 8.09 |
| Prior Period | January 2004 | December 2004 | 8.97 | 8.16 | 5.27 | 7.13 | 7.62 |
| Percent Change | | | 5.0% | 6.4% | 5.7% | 4.3% | 6.2% |



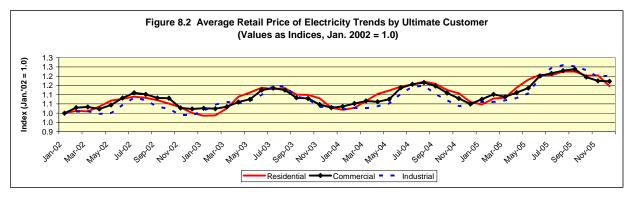


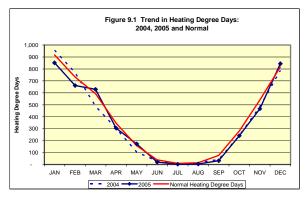
Table 9.1 Degree Days

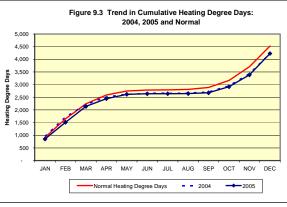
| | | Heating Degree Days | | | | Cooling Degree Days | | |
|-----------------|---------------|------------------------|----------------------------------|---------------------------|------------------------|----------------------------------|---------------------------|--|
| | Month | Heating Degree Days | Normal Heating Degree Days | Deviation From the Normal | Cooling Degree Days | Normal Cooling Degree Days | Deviation From the Normal | |
| Current Period | December 2005 | 844 | 817 | 27 | 4 | 8 | -4 | |
| Previous Period | December 2004 | 788 | 817 | -29 | 6 | 8 | -2 | |
| Percent Change | | 7.1% | | | -33.3% | | | |

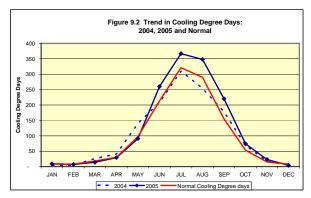
Table 9.2 Trends in Heating and Cooling Degree Days

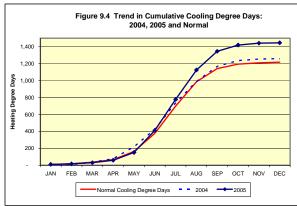
| Year-to-Date Comparison | | | | | | | | |
|-------------------------|---|---------------|-------|-------|--|--|--|--|
| | Starting Month Ending Month Heating Degree Cooling Degree Days Days | | | | | | | |
| Current Period | January 2005 | December 2005 | 4,228 | 1,446 | | | | |
| Prior Period | January 2004 | December 2004 | 4,224 | 1,259 | | | | |
| Percent Change | | | 0.1% | 14.9% | | | | |

| Comparison to Prior 12 Month Period | | | | | | | |
|-------------------------------------|--|---------------|-------|-------|--|--|--|
| | Starting Month Ending Month Days Cooling D | | | | | | |
| Current Period | January 2005 | December 2005 | 4,228 | 1,446 | | | |
| Prior Period | January 2004 | December 2004 | 4,224 | 1,259 | | | |
| Percent Change | | | 0.1% | 14 9% | | | |









Section 10. Documentation

Data for: December 2005

General: The *Monthly Flash Estimates of Electric Power Data* ("*Flash Estimates*") is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), U.S. Department of Energy. Data published in the *Flash Estimates* are compiled from the following sources: Form EIA-826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."

The survey data is collected monthly from a statistically-derived sample of power plants and electricity retailers. The nominal sample sizes are: for the Form EIA-826, approximately 450 electric utilities and other energy service providers; for the Form EIA-920, approximately 300 combined heat and power (CHP) plants; and for the Form EIA-906, approximately 1,440 non-CHP plants. With the exception of stocks, a regression-based method is used to estimate totals from the sample. Essentially complete samples are collected for the *Electric Power Monthly*, which includes State-level values. The *Flash Estimates* is based on an incomplete sample and includes only national-level estimates. Stocks data for out-of-sample plants and any monthly non-respondents are estimated by bringing forward the last reported value for a plant.

For complete documentation on EIA monthly electric data collection and estimation, see the Technical Notes to the *Electric Power Monthly*, at: http://www.eia.doe.gov/cneaf/electricity/epm/epm.pdf. Values displayed in the *Elash Estimates* may differ from values published in the *Electric Power Monthly* due to independent rounding. This report represents the EIA's initial release for national level electricity data. Updated information will be released in the *Electric Power Monthly*.

Sector definitions: The Electric Power Sector comprises electricity-only and CHP plants within the North American Industrial Classification System 22 category whose primary business is to sell electricity, or electricity and heat, to the public (i.e., electric utility plants and Independent Power Producers (IPP), including IPP plants that operate as combined heat and power producers). The All Sectors totals include the Electric Power Sector and the Commercial and Industrial sectors (Commercial and Industrial power producers are primarily CHP plants).

Composition of fuel categories: See notes on page 3.

Degree Days: Notes: Degree-days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Heating degree-days are the number of degrees that the daily average temperature falls below 65° F. Cooling degree-days are the number of degrees that the daily average temperature rises above 65° F. The daily average temperature is the mean of the maximum and minimum temperatures in a 24-hour period. For example, a weather station recording an average daily temperature of 40° F would report 25 heating degree-days for that day (and 0 cooling degree-days). If a weather station recorded an average daily temperature of 78° F, cooling degree-days for that station would be 13 (and 0 heating degree days).