Monthly Flash Estimates of

Electric Power Data

Section 1. Commentary

The contiguous United States as a whole experienced temperatures that were significantly below normal in October 2009. The month ranked as the third coolest October on record with only Florida experiencing temperatures that were above normal. Accordingly, total population-weighted heating degree days for the contiguous United States were 17.4 percent above the average for the month of October.

Despite the cooler weather, retail sales of electricity decreased by 1.9 percent compared to October 2008. This decrease in retail sales was caused in part by a significant decline in industrial activity as observed by the 6.7-percent decrease in industrial retail sales over the same period. The average U.S. retail price of electricity decreased 2.3 percent in October 2009 compared to the previous year. This decrease in price can in part be attributed to lower fuel costs for natural gas used for electricity generation.

In October 2009, total electric power generation in the United States decreased 4.2 percent from October 2008. Over the same period, coal generation decreased 7.9 percent as a result of the increased cost of coal as a fuel used in electricity generation and the decrease in demand for electric power due to the economic downturn in the United States. Natural gas generation in October 2009 decreased by 1.8 percent compared to October 2008, while nuclear generation decreased 8.8 percent over the same period. The contiguous United States experienced its wettest October on record in October 2009. Accordingly, conventional hydroelectric generation was 29.8 percent higher than October 2008.

Following the year-over-year decrease in coal generation, the consumption of coal to produce electricity decreased 6.9 percent when compared to October 2008. Over the same time period, petroleum liquids consumption increased 1.7 percent, while natural gas consumption decreased 0.6 percent.

Total coal stocks in the Electric Power Sector remained at a historically high level in October 2009, increasing by 1.0 percent from the previous month. The September 2009 to October 2009 change in coal stocks consisted of a 2.2-percent increase in bituminous coal and a 0.2-percent increase in subbituminous coal. Petroleum liquid stocks decreased 1.9 percent from September 2009.

References for weather data:

http://www.ncdc.noaa.gov/oa/climate/research/2009/oct/national.html

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| Table 2.1 Key Generation Indicators | | | | | | |
|-------------------------------------|---------------------|-----------------------|-----------------------------|--|--|--|
| | Total Generation | Nuclear Generation | Hydroelectric Generation | | | |
| Total Change From: | | | | | | |
| September 2009 | -6.8% | -13.1% | 12.0% | | | |
| October 2008 | -4.2% | -8.8% | 29.8% | | | |
| Year to Date | -4.7% | -0.4% | 6.5% | | | |
| Latest 12 Month Period* | -4.1% | -0.4% | 6.4% | | | |

Table 2.2 Key Consumption and Stocks Indicators

| | Natural Gas Consumption | Coal Consumption | Coal Stocks |
|-------------------------|----------------------------|---------------------|-------------|
| Total Change From: | | | |
| September 2009 | -21.2% | 1.4% | 1.0% |
| October 2008 | -0.6% | -6.9% | 28.3% |
| | | | |
| Year to Date | 3.4% | -11.1% | |
| Latest 12 Month Period* | 2.5% | -9.5% | |

* Change in total consumption or generation for the latest 12 month period (November 2008 to October 2009) compared to the prior 12 month period (November 2007 to October 2008).

Net Generation (Total, All Sectors)

| Table 3.1 Total Net Generation (All Sectors) | | | | | | | |
|--|---------|---------|----------|---------|----------|--|--|
| Net Generation (thousand megawatthours) | Oct-09 | Oct-08 | % Change | Sep-09 | % Change | | |
| Coal | 140,981 | 153,143 | -7.9% | 138,325 | 1.9% | | |
| Petroleum Liquids | 1,878 | 1,856 | 1.2% | 1,689 | 11.2% | | |
| Natural Gas | 71,473 | 72,767 | -1.8% | 90,968 | -21.4% | | |
| Nuclear | 57,290 | 62,793 | -8.8% | 65,941 | -13.1% | | |
| Hydroelectric Conventional | 19,633 | 15,120 | 29.8% | 17,525 | 12.0% | | |
| All Other | 13,636 | 12,552 | 8.6% | 12,622 | 8.0% | | |
| Total (All Energy Sources) | 304,890 | 318,232 | -4.2% | 327,070 | -6.8% | | |

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 | Oct-09 | Oct-08 | % Change | Sep-09 | % Change | |
| Coal (Thousand Short Tons) | 75,058 | 80,624 | -6.9% | 74,041 | 1.4% | |
| Petroleum Liquids (Thousand Barrels) | 3,163 | 3,109 | 1.7% | 2,803 | 12.8% | |
| Natural Gas (Million Cubic Feet) | 557,936 | 561,175 | -0.6% | 707,624 | -21.2% | |

Fossil Fuel Stocks (Electric Power Sector)

| Table 3.3 Total Fossil Fuel Stocks (Electric Power Sector) | | | | | | |
|--|---------|---------|----------|---------|----------|--|
| Fossil Fuel Stocks | Oct-09 | Oct-08 | % Change | Sep-09 | % Change | |
| Coal (Thousand Short Tons) | 201,784 | 157,334 | 28.3% | 199,864 | 1.0% | |
| Petroleum Liquids (Thousand Barrels) | 41,647 | 42,935 | -3.0% | 42,462 | -1.9% | |

Notes:

- Coal consumption and generation includes subbituminous coal, bituminous coal, anthracite, lignite, waste coal and coal synfuel.

- Coal stocks include the coal categories listed immediately above except for waste coal. The bituminous category includes anthracite and coal synfuel.

- 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.

Section 4. Net Generation Trends

Data for: October 2009

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

| Year-to-Date Comparison | | | | | | | | | |
|-------------------------|----------------|--------------|-----------|-------------------|-------------|---------|-------------------------------|-----------|-----------|
| | Starting Month | Ending Month | Coal | Petroleum Liquids | Natural Gas | Nuclear | Hydroelectric Conventional | All Other | Total |
| Current Period | January 2009 | October 2009 | 1,463,322 | 23,025 | 780,565 | 666,843 | 225,781 | 136,366 | 3,295,902 |
| Prior Period | January 2008 | October 2008 | 1,670,607 | 25,947 | 751,661 | 669,842 | 212,039 | 127,172 | 3,457,268 |
| Percent Difference | | | -12.4% | -11.3% | 3.8% | -0.4% | 6.5% | 7.2% | -4.7% |

Comparison to Prior Twelve-Month Period

| | Starting Month | Ending Month | Coal | Petroleum Liquids | Natural Gas | Nuclear | Hydroelectric Conventional | All Other | Total |
|--------------------|----------------|--------------|-----------|-------------------|-------------|---------|-------------------------------|-----------|-----------|
| Current Period | November 2008 | October 2009 | 1,787,099 | 28,240 | 905,853 | 803,182 | 261,827 | 162,692 | 3,948,893 |
| Prior Period | November 2007 | October 2008 | 2,003,820 | 30,751 | 879,106 | 806,724 | 246,063 | 151,197 | 4,117,661 |
| Percent Difference | | | -10.8% | -8.2% | 3.0% | -0.4% | 6.4% | 7.6% | -4.1% |

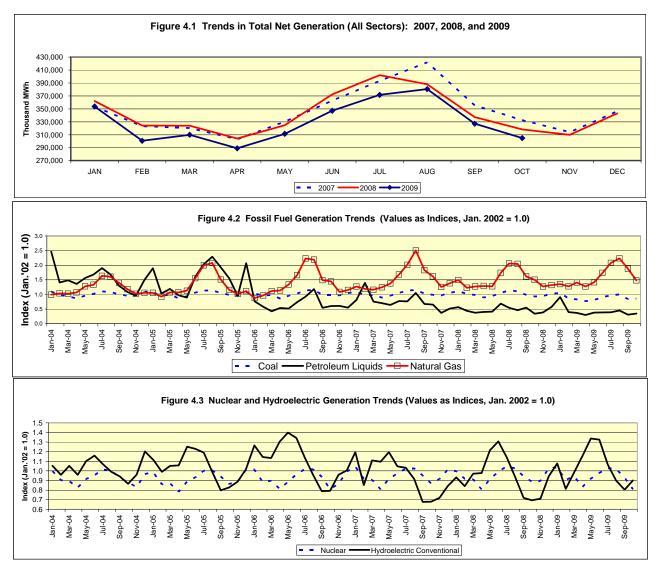
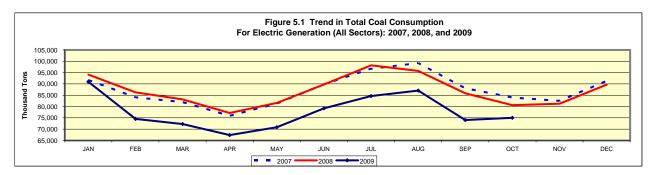
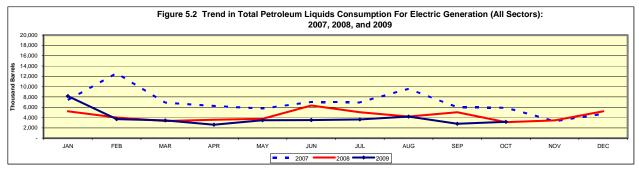


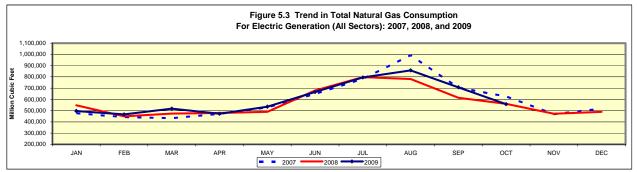
Table 5.1 Trends in Fossil Fuel Consumption For Electric Generation, Total (All Sectors)

| Year-to-Date Comparison | | | | | | | |
|-------------------------|----------------|--------------|-------------------------|---|-------------------------------------|--|--|
| | Starting Month | Ending Month | Coal (Thousand Tons) | Petroleum Liquids (Thousand Barrels) | Natural Gas (Million Cubic Feet) | | |
| Current Period | January 2009 | October 2009 | 776,021 | 38,783 | 6,071,290 | | |
| Prior Period | January 2008 | October 2008 | 872,623 | 43,600 | 5,871,822 | | |
| Percent Difference | | | -11.1% | -11.0% | 3.4% | | |

| Comparison to Prio | r 12 Month Period | | | | |
|--------------------|-------------------|--------------|-------------------------|---|-------------------------------------|
| | Starting Month | Ending Month | Coal (Thousand Tons) | Petroleum Liquids (Thousand Barrels) | Natural Gas (Million Cubic Feet) |
| Current Period | November 2008 | October 2009 | 946,988 | 47,451 | 7,032,866 |
| Prior Period | November 2007 | October 2008 | 1,046,481 | 51,627 | 6,858,068 |
| Percent Difference | | | -9.5% | -8.1% | 2.5% |

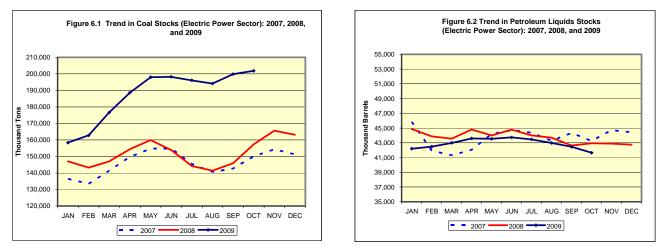


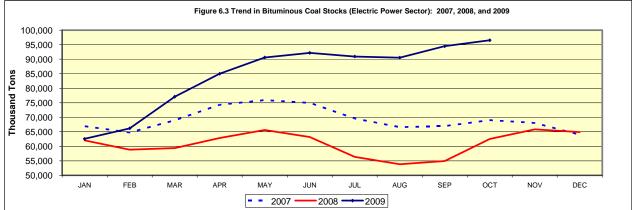


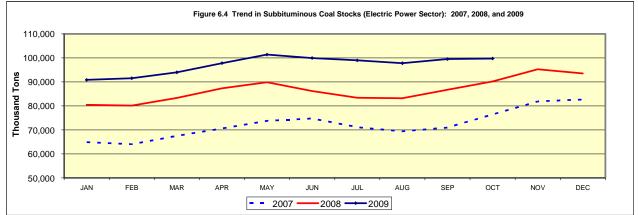


Section 6. Fossil Fuel Stock Trends

| Table 6.1 Trends in Total Fossil Fuel Stocks (Electric Power Sector) | | | | | |
|--|---------|---------|----------|---------|----------|
| Fossil Fuel Stocks | Oct-09 | Oct-08 | % Change | Sep-09 | % Change |
| Coal, Total (Thousand Short Tons) | 201,784 | 157,334 | 28.3% | 199,864 | 1.0% |
| Bituminous (includes anthracite and coal synfuel) | 96,523 | 62,515 | 54.4% | 94,484 | 2.2% |
| Subbituminous | 99,740 | 90,202 | 10.6% | 99,523 | 0.2% |
| Lignite | 5,522 | 4,617 | 19.6% | 5,857 | -5.7% |
| Petroleum Liquids (Thousand Barrels) | 41,647 | 42,935 | -3.0% | 42,462 | -1.9% |







Section 7. Month-to-Month Comparisons: Electric Power Retail Sales and Average Prices

Retail Sales

| Table 7.1 Retail Sales (Million kWh) | | | | | | | | | | |
|--------------------------------------|---------|---------|----------|---------|----------|--|--|--|--|--|
| Ultimate Customer | Oct-09 | Oct-08 | % Change | Sep-09 | % Change | | | | | |
| Residential | 98,373 | 96,051 | 2.4% | 115,186 | -14.6% | | | | | |
| Commercial | 109,897 | 112,147 | -2.0% | 116,397 | -5.6% | | | | | |
| Industrial | 76,627 | 82,117 | -6.7% | 76,876 | -0.3% | | | | | |
| Transportation | 580 | 629 | -7.8% | 614 | -5.5% | | | | | |
| All Sectors | 285,478 | 290,943 | -1.9% | 309,073 | -7.6% | | | | | |

Average Retail Price

| Table 7.2 Average Retail Price (Cents/kWh) U.S. Total | | | | | | | | | | | |
|---|--------|--------|----------|--------|----------|--|--|--|--|--|--|
| Ultimate Customer | Oct-09 | Oct-08 | % Change | Sep-09 | % Change | | | | | | |
| Residential | 11.76 | 11.91 | -1.3% | 12.06 | -2.5% | | | | | | |
| Commercial | 10.23 | 10.50 | -2.6% | 10.51 | -2.7% | | | | | | |
| Industrial | 6.70 | 7.23 | -7.3% | 6.99 | -4.1% | | | | | | |
| Transportation | 11.03 | 10.90 | 1.2% | 10.90 | 1.2% | | | | | | |
| All Sectors | 9.81 | 10.04 | -2.3% | 10.21 | -3.9% | | | | | | |

| Table 7.3 Average Retail Price (Cents/kWh) by Census Division | | | | | | | | | | | | |
|---|--------|-------------|------------------------|-------|-------------|----------|--|--|--|--|--|--|
| Census Division | | Residential | | | All Sectors | | | | | | | |
| | Oct-09 | Oct-08 | % Change Oct-09 Oct-08 | | Oct-08 | % Change | | | | | | |
| New England | 17.27 | 18.76 | -7.9% | 15.43 | 16.35 | -5.6% | | | | | | |
| Middle Atlantic | 15.58 | 15.15 | 2.8% | 13.08 | 13.13 | -0.4% | | | | | | |
| East North Central | 11.23 | 11.22 | 0.1% | 8.73 | 8.84 | -1.2% | | | | | | |
| West North Central | 9.20 | 9.18 | 0.2% | 7.32 | 7.01 | 4.4% | | | | | | |
| South Atlantic | 11.62 | 11.38 | 2.1% | 9.92 | 9.78 | 1.4% | | | | | | |
| East South Central | 9.47 | 10.33 | -8.3% | 7.57 | 8.46 | -10.5% | | | | | | |
| West South Central | 11.16 | 12.39 | -9.9% | 8.86 | 10.34 | -14.3% | | | | | | |
| Mountain | 10.51 | 10.07 | 4.4% | 8.57 | 8.20 | 4.5% | | | | | | |
| Pacific Contiguous | 12.15 | 11.84 | 2.6% | 11.49 | 11.11 | 3.4% | | | | | | |
| Pacific Noncontiguous | 22.79 | 28.11 | -18.9% | 20.42 | 25.72 | -20.6% | | | | | | |
| U.S. Total | 11.76 | 11.91 | -1.3% | 9.81 | 10.04 | -2.3% | | | | | | |

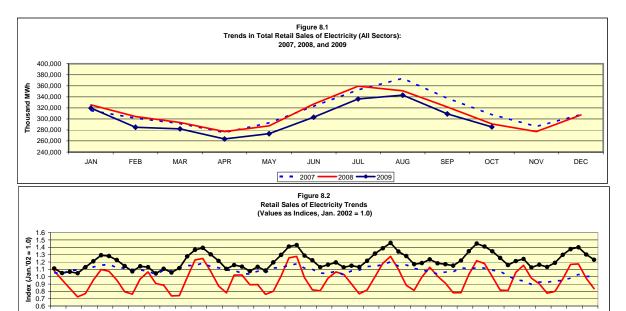
Section 8. Retail Sales Trends

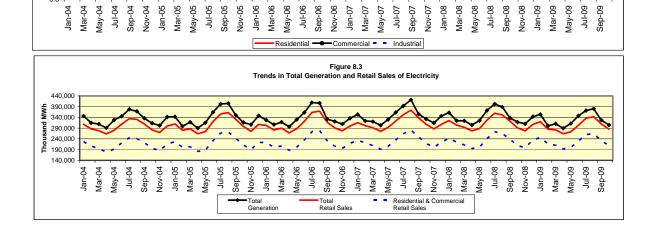
Table 8.1 Trends in Total Retail Sales of Electricity (All Sectors) Millions of Kilowatthours

| Year-to-Date Comparison | | | | | | | | | | |
|-------------------------|----------------|--------------|-------------|------------|------------|----------------|------------------------|--|--|--|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) | | | |
| Current Period | January 2009 | October 2009 | 1,146,177 | 1,112,782 | 734,600 | 6,257 | 2,999,816 | | | |
| Prior Period | January 2008 | October 2008 | 1,158,969 | 1,140,613 | 831,213 | 6,366 | 3,137,163 | | | |
| Percent Difference | | | -1.1% | -2.4% | -11.6% | -1.7% | -4.4% | | | |

Comparison to Prior Twelve-Month Period

| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) |
|--------------------|----------------|--------------|-------------|------------|------------|----------------|------------------------|
| Current Period | November 2008 | October 2009 | 1,366,515 | 1,324,622 | 885,536 | 7,543 | 3,584,215 |
| Prior Period | November 2007 | October 2008 | 1,372,282 | 1,351,125 | 1,000,056 | 7,703 | 3,731,166 |
| Percent Difference | | | -0.4% | -2.0% | -11.5% | -2.1% | -3.9% |



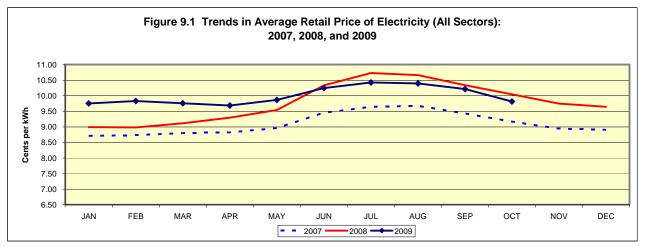


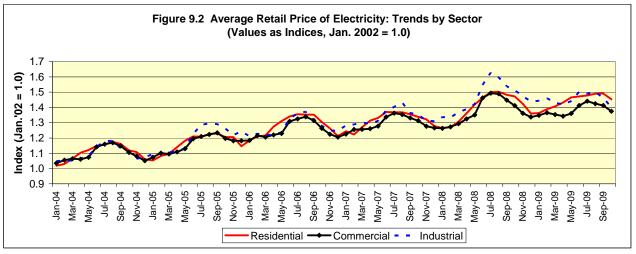
Section 9. Average Retail Price Trends

Table 9.1 Trends in Average Retail Price of Electricity (All Sectors) Cents per Kilowatthour

| Year-to-Date Comparison | | | | | | | | | | |
|-------------------------|----------------|--------------|-------------|------------|------------|----------------|------------------------|--|--|--|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) | | | |
| Current Period | January 2009 | October 2009 | 11.68 | 10.31 | 6.96 | 11.38 | 10.02 | | | |
| Prior Period | January 2008 | October 2008 | 11.38 | 10.32 | 7.02 | 11.36 | 9.84 | | | |
| Percent Difference | | | 2.6% | -0.1% | -0.9% | 0.2% | 1.8% | | | |

| Comparison to Prior 12 Month Period | | | | | | | | | |
|-------------------------------------|----------------|--------------|-------------|------------|------------|----------------|------------------------|--|--|
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) | | |
| Current Period | November 2008 | October 2009 | 11.61 | 10.27 | 6.96 | 11.30 | 9.96 | | |
| Prior Period | November 2007 | October 2008 | 11.24 | 10.19 | 6.90 | 10.94 | 9.70 | | |
| Percent Difference | | | 3.3% | 0.8% | 0.9% | 3.3% | 2.7% | | |





Section 10. Heating and Cooling Degree Days

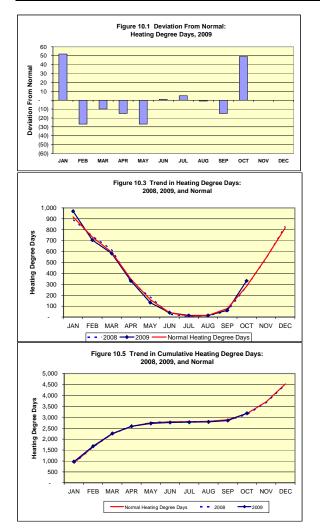
Data for: October 2009

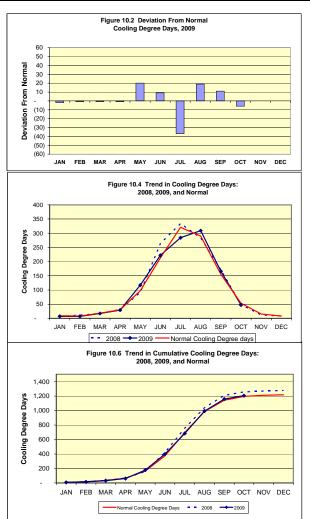
| | | Heating Degree Days | | | | Cooling Degree Days | | | |
|--------------------|--------------|---------------------------|----------------------------------|-----------------------------|--------------------------------------|---------------------------|----------------------------------|-----------------------------|--------------------------------------|
| | Month | Heating Degree Days | Normal Heating Degree Days | Deviation From Normal | Percent Difference From Normal | Cooling Degree Days | Normal Cooling Degree Days | Deviation From Normal | Percent Difference From Normal |
| Current Period | October 2009 | 331 | 282 | 49 | 17.4% | 47 | 53 | -6 | -11.3% |
| Prior Period | October 2008 | 281 | 282 | -1 | -0.4% | 48 | 53 | -5 | -9.4% |
| Percent Difference | | 17.8% | | | | -2.1% | | | |

Table 10.1 Degree Days

Table 10.2 Trends in Heating and Cooling Degree Days

| Year-to-Date Comparison | | | | Comparison to Prior 12 Month Period | | | | | |
|-------------------------|----------------|--------------|---------------------------|-------------------------------------|--------------------|----------------|--------------|------------------------|---------------------------|
| | Starting Month | Ending Month | Heating Degree Days | Cooling Degree Days | | Starting Month | Ending Month | Heating Degree Days | Cooling Degree Days |
| Current Period | January 2009 | October 2009 | 3,180 | 1,205 | Current Period | November 2008 | October 2009 | 4,545 | 1,225 |
| Prior Period | January 2008 | October 2008 | 3,129 | 1,257 | Prior Period | November 2007 | October 2008 | 4,450 | 1,285 |
| Percent Difference | | | 1.6% | -4.1% | Percent Difference | | | 2.1% | -4.7% |





Section 11. Documentation

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," and Form EIA-923, "Power Plant Operations Report."

The survey data are collected monthly using multiple-attribute cutoff sampling of power plants and electric retailers for the purpose of estimation for various data elements (generation, stocks, revenue, etc.), for various categories, such as geographic regions. (The data elements and categories are "attributes.") The nominal sample sizes are: for the Form EIA-826, approximately 450 electric utilities and other energy service providers; for the Form EIA-923, approximately 1590 plants. Regression-based (i.e., "prediction") methodologies are used to estimate totals from the sample. Essentially complete samples are collected for the Electric Power Monthly (EPM), which includes State-level values. The Flash Estimates is based on an incomplete sample and includes only national-level estimates. Using 'prediction,' it is generally possible to make estimates based on the incomplete EPM sample, and still estimate variances.

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 Flash Estimates may differ from values published in the Electric Power Monthly due to the additional data collection and data revisions that may occur between the release of these two publications. 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).