Monthly Flash Estimates of

Electric Power Data

Section 1. Commentary

While average temperatures prevailed across the majority of the Nation in December 2007, warmer-than-average temperatures in the more heavily populated eastern United States led to a decrease in total heating degree-days for the contiguous U.S. of 3.3 percent below the average for the month of December. However, heating degree days were still 14.5 percent above the level from December 2006, leading to an increase in electricity demand from a year ago.

Retail sales of electricity for the month of December 2007 increased 2.1 percent compared to December 2006. The average U.S. retail price of electricity for December 2007 showed a 4.2-percent increase from December 2006 and a 0.8-percent decrease from November 2007. For the 12-month period ending December 2007, the U.S. average retail price of electricity increased by 2.7 percent over the previous 12-month period ending December 2006.

In December 2007, total electric power generation increased 2.9 percent when compared to December 2006. Much needed precipitation fell across the Nation as the contiguous United States recorded its eighteenth wettest December over the 1895 to 2007 time period. Despite the increased precipitation, States in the Southeast and parts of the West are still experiencing severe drought conditions. Accordingly, conventional hydroelectric generation was 17.4 percent lower than for December 2006. For the 12-month period ending December 2007, conventional hydroelectric generation decreased by 14.4 percent over the previous 12-month period ending December 2006.

December 2007 natural gas generation was up 18.6 percent, while petroleum liquids generation was down 4.4 percent when compared to December 2006. For the 12-month period ending December 2007, natural gas generation increased by 9.8 percent and petroleum liquids generation increased by 12.4 percent over the previous 12-month period ending December 2006. Likewise, natural gas consumption increased by 9.3 percent and petroleum liquids consumption increased 13.6 percent over the previous 12-month period ending December 2006.

Total coal stocks in the electric power sector were down 4.7 percent from the previous month. The November 2007-to-December 2007 change in coal stocks consisted of a 5.5-percent decrease for bituminous and 4.6-percent decrease for subbituminous coal. Petroleum liquids stocks were 10.5 percent lower than December 2006 as a result of increased generation attributed to petroleum liquids in the first half of 2007.

References for weather data:

http://www.ncdc.noaa.gov/oa/climate/research/2007/dec/national.html

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| Table 2.1 Key Generation Indicators | | | | | | | | | |
|-------------------------------------|---|-------|--------|--|--|--|--|--|--|
| | TotalNuclearHydroelectricGenerationGenerationGeneration | | | | | | | | |
| Total Change From: | | | | | | | | | |
| November 2007 | 10.3% | 10.8% | 13.5% | | | | | | |
| December 2006 | 2.9% | 2.1% | -17.4% | | | | | | |
| Year to Date | 2.3% | 2.4% | -14.4% | | | | | | |
| Latest 12 Month Period* | 2.3% | 2.4% | -14.4% | | | | | | |

Table 2.2 Key Consumption and Stocks Indicators

| | Natural Gas Consumption | Coal Consumption | Coal Stocks |
|-------------------------|----------------------------|---------------------|-------------|
| Total Change From: | | | |
| November 2007 | 10.1% | 10.6% | -4.7% |
| December 2006 | 16.9% | 1.5% | 7.2% |
| | | | |
| Year to Date | 9.3% | 1.7% | n/a |
| Latest 12 Month Period* | 9.3% | 1.7% | n/a |

* Change in total consumption or generation for the latest 12 month period (January 2007 to December 2007) compared to the prior 12 month period (January 2006 to December 2006).

Net Generation (Total, All Sectors)

| Table 3.1 Total Net Generation (All Sectors) | | | | | | | | | | |
|--|---------|---------|----------|---------|----------|--|--|--|--|--|
| Net Generation (thousand megawatthours) | Dec-07 | Dec-06 | % Change | Nov-07 | % Change | | | | | |
| Coal | 174,501 | 173,547 | 0.5% | 159,525 | 9.4% | | | | | |
| Petroleum Liquids | 2,979 | 3,117 | -4.4% | 1,969 | 51.3% | | | | | |
| Natural Gas | 66,186 | 55,829 | 18.6% | 60,159 | 10.0% | | | | | |
| Nuclear | 71,983 | 70,490 | 2.1% | 64,969 | 10.8% | | | | | |
| Hydroelectric Conventional | 17,848 | 21,596 | -17.4% | 15,727 | 13.5% | | | | | |
| All Other | 12,424 | 11,705 | 6.1% | 11,212 | 10.8% | | | | | |
| Total (All Energy Sources) | 345,921 | 336,283 | 2.9% | 313,561 | 10.3% | | | | | |

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-07 Dec-06 % Change Nov-07 % Cha | | | | | | | | | | | |
| Coal (Thousand Short Tons) | 91,733 | 90,415 | 1.5% | 82,928 | 10.6% | | | | | | |
| Petroleum Liquids (Thousand Barrels) | 5,353 | 5,422 | -1.3% | 3,519 | 52.1% | | | | | | |
| Natural Gas (Million Cubic Feet) 551,477 471,566 16.9% 500,908 10.1% | | | | | | | | | | | |

Fossil Fuel Stocks (Electric Power Sector)

| Table 3.3 Total Fossil Fuel Stocks (Electric Power Sector) | | | | | | | | | | | |
|---|--|---------|------|---------|-------|--|--|--|--|--|--|
| Fossil Fuel Stocks Dec-07 Dec-06 % Change Nov-07 % Change | | | | | | | | | | | |
| Coal (Thousand Short Tons) | 151,127 | 140,964 | 7.2% | 158,643 | -4.7% | | | | | | |
| Petroleum Liquids (Thousand Barrels) | Petroleum Liquids (Thousand Barrels) 43,143 48,216 -10.5% 43,692 -1.3% | | | | | | | | | | |

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: December 2007

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 2007 | December 2007 | 2,020,382 | 50,171 | 892,702 | 806,487 | 247,663 | 141,299 | 4,158,704 | | | |
| Prior Period | January 2006 | December 2006 | 1,990,926 | 44,655 | 813,044 | 787,219 | 289,246 | 139,612 | 4,064,702 | | | |
| Percent Difference | | | 1.5% | 12.4% | 9.8% | 2.4% | -14.4% | 1.2% | 2.3% | | | |

Comparison to Prior Twelve-Month Period

| | Starting Month | Ending Month | Coal | Petroleum Liquids | Natural Gas | Nuclear | Hydroelectric Conventional | All Other | Total |
|--------------------|----------------|---------------|-----------|-------------------|-------------|---------|-------------------------------|-----------|-----------|
| Current Period | January 2007 | December 2007 | 2,020,382 | 50,171 | 892,702 | 806,487 | 247,663 | 141,299 | 4,158,704 |
| Prior Period | January 2006 | December 2006 | 1,990,926 | 44,655 | 813,044 | 787,219 | 289,246 | 139,612 | 4,064,702 |
| Percent Difference | | | 1.5% | 12.4% | 9.8% | 2.4% | -14.4% | 1.2% | 2.3% |



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 2007 | December 2007 | 1,053,274 | 87,447 | 7,505,975 | | | | | | | |
| Prior Period | January 2006 | December 2006 | 1,035,346 | 77,003 | 6,869,624 | | | | | | | |
| Percent Difference | | | 1.7% | 13.6% | 9.3% | | | | | | | |

| 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 2007 | December 2007 | 1,053,274 | 87,447 | 7,505,975 | | | | | | |
| Prior Period | January 2006 | December 2006 | 1,035,346 | 77,003 | 6,869,624 | | | | | | |
| Percent Difference | | | 1.7% | 13.6% | 9.3% | | | | | | |









Rest, Sectores

Paper

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

Retail Sales

| Table 7.1 Retail Sales (Million kWh) | | | | | | | | | | | |
|--|---------|---------|----------|---------|----------|--|--|--|--|--|--|
| Ultimate Customer | Dec-07 | Dec-06 | % Change | Nov-07 | % Change | | | | | | |
| Residential | 117,345 | 114,882 | 2.1% | 95,892 | 22.4% | | | | | | |
| Commercial | 106,318 | 104,673 | 1.6% | 104,651 | 1.6% | | | | | | |
| Industrial | 82,021 | 79,937 | 2.6% | 83,188 | -1.4% | | | | | | |
| Transportation 619 627 -1.3% 637 -2.8% | | | | | | | | | | | |
| All Sectors | 306,303 | 300,119 | 2.1% | 284,368 | 7.7% | | | | | | |

Average Retail Price

| Table 7.2 Average Retail Price (Cents/kWh) U.S. Total | | | | | | | | | | | |
|--|-------|------|------|-------|-------|--|--|--|--|--|--|
| Ultimate Customer Dec-07 Dec-06 % Change Nov-07 % Change | | | | | | | | | | | |
| Residential | 10.31 | 9.84 | 4.8% | 10.69 | -3.6% | | | | | | |
| Commercial | 9.41 | 9.08 | 3.6% | 9.60 | -2.0% | | | | | | |
| Industrial | 6.25 | 6.00 | 4.2% | 6.22 | 0.5% | | | | | | |
| Transportation | 10.06 | 9.56 | 5.2% | 9.46 | 6.3% | | | | | | |
| All Sectors | 8.91 | 8.55 | 4.2% | 8.98 | -0.8% | | | | | | |

| Table 7.3 Average Retail Price (Cents/kWh) by Census Division | | | | | | | | | | | |
|---|--------|-------------|----------|--------|-------------|----------|--|--|--|--|--|
| Census Division | | Residential | | | All Sectors | | | | | | |
| | Dec-07 | Dec-06 | % Change | Dec-07 | Dec-06 | % Change | | | | | |
| New England | 15.85 | 16.27 | -2.6% | 14.58 | 14.66 | -0.5% | | | | | |
| Middle Atlantic | 13.49 | 12.62 | 6.9% | 12.15 | 11.37 | 6.9% | | | | | |
| East North Central | 9.39 | 8.56 | 9.7% | 7.85 | 7.26 | 8.1% | | | | | |
| West North Central | 7.60 | 7.29 | 4.3% | 6.38 | 6.11 | 4.4% | | | | | |
| South Atlantic | 9.78 | 9.34 | 4.7% | 8.55 | 8.25 | 3.6% | | | | | |
| East South Central | 8.30 | 7.71 | 7.7% | 6.91 | 6.50 | 6.3% | | | | | |
| West South Central | 10.61 | 10.42 | 1.8% | 9.03 | 8.74 | 3.3% | | | | | |
| Mountain | 8.79 | 8.33 | 5.5% | 7.36 | 7.08 | 4.0% | | | | | |
| Pacific Contiguous | 11.45 | 11.35 | 0.9% | 10.02 | 10.18 | -1.6% | | | | | |
| Pacific Noncontiguous | 22.62 | 18.80 | 20.3% | 20.78 | 16.92 | 22.8% | | | | | |
| U.S. Total | 10.31 | 9.84 | 4.8% | 8.91 | 8.55 | 4.2% | | | | | |

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 2007 | December 2007 | 1,391,889 | 1,342,666 | 1,005,830 | 7,738 | 3,748,122 | | |
| Prior Period | January 2006 | December 2006 | 1,351,520 | 1,299,744 | 1,011,298 | 7,358 | 3,669,919 | | |
| Percent Difference | | | 3.0% | 3.3% | -0.5% | 5.2% | 2.1% | | |

Comparison to Prior Twelve-Month Period

| - | | | | | | | |
|--------------------|----------------|---------------|-------------|------------|------------|----------------|------------------------|
| | | | | | | | |
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) |
| Current Period | January 2007 | December 2007 | 1,391,889 | 1,342,666 | 1,005,830 | 7,738 | 3,748,122 |
| Prior Period | January 2006 | December 2006 | 1,351,520 | 1,299,744 | 1,011,298 | 7,358 | 3,669,919 |
| Percent Difference | | | 3.0% | 3.3% | -0.5% | 5.2% | 2.1% |





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 2007 | December 2007 | 10.64 | 9.67 | 6.36 | 10.40 | 9.14 | | |
| Prior Period | January 2006 | December 2006 | 10.40 | 9.46 | 6.16 | 9.54 | 8.90 | | |
| Percent Difference | | | 2.3% | 2.2% | 3.2% | 9.0% | 2.7% | | |

| Comparison to Prior 12 Month Period | | | | | | | | | |
|-------------------------------------|----------------|---------------|-------------|------------|------------|----------------|------------------------|--|--|
| | | | | | | | | | |
| | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total (All Sectors) | | |
| Current Period | January 2007 | December 2007 | 10.64 | 9.67 | 6.36 | 10.40 | 9.14 | | |
| Prior Period | January 2006 | December 2006 | 10.40 | 9.46 | 6.16 | 9.54 | 8.90 | | |
| Percent Difference | | | 2.3% | 2.2% | 3.2% | 9.0% | 2.7% | | |





Section 10. Heating and Cooling Degree Days

Data for: December 2007

| Table 10.1 | Degree | Days |
|------------|--------|------|
|------------|--------|------|

| Heating Degree Days | | | | Cooling Degree Days | | | | | |
|---------------------|---------------|---------------------------|----------------------------------|-----------------------------|-------------------------------------|---------------------------|----------------------------------|-----------------------------|-------------------------------------|
| | Month | Heating Degree Days | Normal Heating Degree Days | Deviation From Normal | Pecent Difference From Normal | Cooling Degree Days | Normal Cooling Degree Days | Deviation From Normal | Pecent Difference From Normal |
| Current Period | December 2007 | 790 | 817 | -27 | -3.3% | 12 | 8 | 4 | 50.0% |
| Prior Period | December 2006 | 690 | 817 | -127 | -15.5% | 11 | 8 | 3 | 37.5% |
| Percent Difference | | 14.5% | | | | 9.1% | | | |

| Table 10.2 | Trends in H | hae paite | Cooling F | ouroo Dave |
|------------|---------------|------------|-----------|------------|
| | THEILUS III H | eating and | COOMING L | egree 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 2007 | December 2007 | 4,245 | 1,396 | Current Period | January 2007 | December 2007 | 4,245 | 1,396 |
| Prior Period | January 2006 | December 2006 | 3,996 | 1,368 | Prior Period | January 2006 | December 2006 | 3,996 | 1,368 |
| Percent Difference | | | 6.2% | 2.0% | Percent Differenc | e | | 6.2% | 2.0% |





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," 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 *Flash 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).