# Monthly Flash Estimates of

# **Electric Power Data**

# **Section 1. Commentary**

The contiguous United States experienced temperatures that were above normal in April 2011. Accordingly, the total population-weighted heating degree days for the United States were 8.4 percent below the April normal.

In April 2011, retail sales of electricity increased 3.1 percent from April 2010. Over the same period, the average U.S. retail price of electricity increased 1.0 percent. The average U.S. retail price of electricity for the 12-month period ending April 2011 increased 1.6 percent over the previous 12-month period ending April 2010.

The total electric power generation in the United States increased 4.1 percent compared to April 2010 (the change in electric power generation does not necessarily coincide with the change in retail sales of electricity because utility billing cycles tend to lag electricity production in many areas). Over the same period, coal generation decreased 2.2 percent, while natural gas generation increased 4.2 percent and petroleum liquids generation increased 21.9 percent. Conventional hydroelectric generation had the largest percentage change, increasing 67.3 percent from the previous year. This was mainly due to record amounts of precipitation that fell in the Northwest in April 2011. Nuclear generation decreased 5.3 percent as more nuclear plants were offline due to refueling outages in April 2011 than the previous year.

In April 2011, coal plants continued the spring build-up of coal for consumption in the summer months. However, this year's spring build-up of coal stocks has been less severe than last year's spring build-up of coal stocks. Accordingly, total coal stocks in April 2011 decreased 7.8 percent when compared to April 2010.

References for weather data:

http://www.ncdc.noaa.gov/oa/climate/research/2011/apr/national.html

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Administration

| Table 2.1 Key Generation Indicators                     |       |        |       |  |  |  |  |  |  |
|---|-------|--------|-------|--|--|--|--|--|--|
| TotalNuclearHydroelectricGenerationGenerationGeneration |       |        |       |  |  |  |  |  |  |
| Total Change From:                                      |       |        |       |  |  |  |  |  |  |
| March 2011  | -5.9% | -16.9% | -0.7% |  |  |  |  |  |  |
| April 2010  | 4.1%  | -5.3%  | 67.3% |  |  |  |  |  |  |
| Year to Date  | 1.1%  | -0.9%  | 37.5% |  |  |  |  |  |  |
| Latest 12 Month Period*                                 | 4.1%  | 1.3%   | 8.0%  |  |  |  |  |  |  |

# Table 2.2 Key Consumption and Stocks Indicators

|                         | Natural Gas<br>Consumption | Coal<br>Consumption | Coal Stocks |
|-------------------------|----------------------------|---------------------|-------------|
| Total Change From:      |                            |                     |             |
| March 2011              | 4.7%                       | -7.5%               | 4.5%        |
| April 2010              | 6.8%                       | -0.2%               | -7.8%       |
|                         |                            |                     |             |
| Year to Date            | 3.2%                       | -3.6%               |             |
| Latest 12 Month Period* | 7.1%                       | 2.5%                |             |

Change in total consumption or generation for the latest 12 month period (May 2010 to April 2011) compared to the prior 12 month period (May 2009 to April 2010).

# Net Generation (Total, All Sectors)

| Table 3.1 Total Net Generation (All Sectors) |         |         |          |         |          |  |  |  |  |  |
|--|---------|---------|----------|---------|----------|--|--|--|--|--|
| Net Generation (thousand megawatthours)      | Apr-11  | Apr-10  | % Change | Mar-11  | % Change |  |  |  |  |  |
| Coal   | 124,337 | 127,164 | -2.2%    | 134,715 | -7.7%    |  |  |  |  |  |
| Petroleum Liquids                            | 1,438   | 1,180   | 21.9%    | 1,238   | 16.2%    |  |  |  |  |  |
| Natural Gas                                  | 66,908  | 64,240  | 4.2%     | 65,679  | 1.9%     |  |  |  |  |  |
| Nuclear                                      | 54,547  | 57,611  | -5.3%    | 65,662  | -16.9%   |  |  |  |  |  |
| Hydroelectric Conventional                   | 31,162  | 18,630  | 67.3%    | 31,385  | -0.7%    |  |  |  |  |  |
| All Other                                    | 20,627  | 18,454  | 11.8%    | 19,155  | 7.7%     |  |  |  |  |  |
| Total (All Energy Sources)                   | 299,019 | 287,279 | 4.1%     | 317,835 | -5.9%    |  |  |  |  |  |

## 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 Apr-11 Apr-10 % Change Mar-11 % Change                |         |         |       |         |       |  |  |  |  |  |
| Coal (Thousand Short Tons)  | 66,928  | 67,090  | -0.2% | 72,330  | -7.5% |  |  |  |  |  |
| Petroleum Liquids (Thousand Barrels)  | 2,423   | 1,958   | 23.7% | 2,101   | 15.3% |  |  |  |  |  |
| Natural Gas (Million Cubic Feet)  | 525,011 | 491,678 | 6.8%  | 501,248 | 4.7%  |  |  |  |  |  |

## **Fossil Fuel Stocks (Electric Power Sector)**

| Table 3.3 Total Fossil Fuel Stocks (Electric Power Sector)             |   |         |       |         |      |  |  |  |  |  |
|--|---|---------|-------|---------|------|--|--|--|--|--|
| Fossil Fuel Stocks   | Fossil Fuel Stocks         Apr-11         Apr-10         % Change         Mar-11         % Change |         |       |         |      |  |  |  |  |  |
| Coal (Thousand Short Tons)   | 174,384   | 189,196 | -7.8% | 166,954 | 4.5% |  |  |  |  |  |
| Petroleum Liquids (Thousand Barrels) 33,386 37,938 -12.0% 34,827 -4.1% |   |         |       |         |      |  |  |  |  |  |

Notes:

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

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

- 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, only waste oil is excluded.

- 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: April 2011

#### 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 2011 | April 2011 | 568,887 | 5,690  | 272,032 | 257,741 | 112,638 | 75,578 | 1,292,566 |  |  |
| Prior Period  | January 2010 | April 2010 | 598,445 | 6,783  | 265,691 | 260,061 | 81,925  | 65,380 | 1,278,285 |  |  |
| Percent Difference  |              |            | -4.9%   | -16.1% | 2.4%    | -0.9%   | 37.5%   | 15.6%  | 1.1%      |  |  |

#### Comparison to Prior Twelve-Month Period

|                    | Starting Month | Ending Month | Coal      | Petroleum Liquids | Natural Gas | Nuclear | Hydroelectric<br>Conventional | All Other | Total     |
|--------------------|----------------|--------------|-----------|-------------------|-------------|---------|-------------------------------|-----------|-----------|
| Current Period     | May 2010       | April 2011   | 1,821,192 | 22,303            | 988,156     | 804,649 | 287,765                       | 210,243   | 4,134,308 |
| Prior Period       | May 2009       | April 2010   | 1,780,043 | 21,776            | 928,644     | 793,936 | 266,471                       | 181,292   | 3,972,162 |
| Percent Difference |                |              | 2.3%      | 2.4%              | 6.4%        | 1.3%    | 8.0%                          | 16.0%     | 4.1%      |







# Section 5. Fossil Fuel Consumption Trends

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

| Year-to-Date Comparison |                |              |                         |                   |             |  |  |  |  |  |
|-------------------------|----------------|--------------|-------------------------|-------------------|-------------|--|--|--|--|--|
|                         | Starting Month | Ending Month | Coal<br>(Thousand Tons) | Petroleum Liquids | Natural Gas |  |  |  |  |  |
| Current Period          | January 2011   | April 2011   | 303.050                 | 9.741             | 2.090.909   |  |  |  |  |  |
| Prior Period            | January 2010   | April 2010   | 314,407                 | 11,685            | 2,026,435   |  |  |  |  |  |
| Percent Difference      |                |              | -3.6%                   | -16.6%            | 3.2%        |  |  |  |  |  |

| Comparison to Prior 12 Month Period |                |              |                         |   |                                     |  |  |  |  |  |  |
|-------------------------------------|----------------|--------------|-------------------------|---|-------------------------------------|--|--|--|--|--|--|
|                                     |                |              |                         |   |                                     |  |  |  |  |  |  |
|                                     | Starting Month | Ending Month | Coal<br>(Thousand Tons) | Petroleum Liquids<br>(Thousand Barrels) | Natural Gas<br>(Million Cubic Feet) |  |  |  |  |  |  |
| Current Period                      | May 2010       | April 2011   | 968,198                 | 38,097                                  | 7,697,942                           |  |  |  |  |  |  |
| Prior Period                        | May 2009       | April 2010   | 944,996                 | 36,796                                  | 7,185,499                           |  |  |  |  |  |  |
| Percent Difference                  |                |              | 2.5%                    | 3.5%                                    | 7.1%                                |  |  |  |  |  |  |



## Section 6. Fossil Fuel Stock Trends

| Table 6.1 Trends in Total Fossil Fuel Stocks (Electric Power Sector) |         |         |        |         |       |  |  |  |  |  |
|--|---------|---------|--------|---------|-------|--|--|--|--|--|
| Fossil Fuel Stocks Apr-11 Apr-10 % Change Mar-11 % Change            |         |         |        |         |       |  |  |  |  |  |
| Coal, Total (Thousand Short Tons)                                    | 174,384 | 189,196 | -7.8%  | 166,954 | 4.5%  |  |  |  |  |  |
| Bituminous (includes anthracite and coal synfuel)                    | 79,123  | 92,499  | -14.5% | 77,779  | 1.7%  |  |  |  |  |  |
| Subbituminous  | 88,028  | 89,476  | -1.6%  | 82,695  | 6.4%  |  |  |  |  |  |
| Lignite  | 7,232   | 7,221   | 0.2%   | 6,480   | 11.6% |  |  |  |  |  |
| Petroleum Liquids (Thousand Barrels)                                 | 33,386  | 37,938  | -12.0% | 34,827  | -4.1% |  |  |  |  |  |







JAN

FEB

MAR

APR

MAY

JUN

--- 2009

JUL

2010

AUG

<del>----</del>2011

SEP

ост

NOV

DEC

## Section 7. Average Number of Days of Burn Non-Lignite Coal

Data for: April 2011

| Table 7.1 Average Number of Days of Burn Non-Lignite Coal by Region           (Electric Power Sector) |        |        |          |        |          |  |  |  |  |  |
|---|--------|--------|----------|--------|----------|--|--|--|--|--|
| Zone  | Apr-11 | Apr-10 | % Change | Mar-11 | % Change |  |  |  |  |  |
| Northeast   | 59     | 70     | -15.7%   | 61     | 5.5%     |  |  |  |  |  |
| South   | 69     | 77     | -10.6%   | 74     | 4.1%     |  |  |  |  |  |
| Midwest   | 66     | 70     | -5.9%    | 69     | 4.6%     |  |  |  |  |  |
| W/oct   | 02     | 02     | 1 50/    | 95     | 0.6%     |  |  |  |  |  |

Table 7.2 Percent of Non-Lignite Coal Capacity (Net Summer MW) by Days of Burn (Electric Power Sector) April 2011 Greater than Less than Zone 30 to 60 days 30 days 60 days 43.7% 57.5% 54.6% 77.6% 43.6% Northeast 12.7% 38.6% 35.5% 21.6% 35.1% South 3.9% 9.8% Midwest West 0.7% U.S. Total 58.6% 6.3%

| Та         | Table 7.3 Coal Stocks and Average Number of Days of Burn for Non-Lignite Coal by Region (Electric Power Sector) |                      |              |                      |              |                       |                      |              |                       |  |  |  |  |  |
|------------|---|----------------------|--------------|----------------------|--------------|-----------------------|----------------------|--------------|-----------------------|--|--|--|--|--|
|            |   | Ар                   | r-11         | Ар                   | r-10         |                       | Ma                   | r-11         |                       |  |  |  |  |  |
| Zone       | Coal  | Stocks<br>(000 tons) | Days of Burn | Stocks<br>(000 tons) | Days of Burn | % Change of<br>Stocks | Stocks<br>(000 tons) | Days of Burn | % Change of<br>Stocks |  |  |  |  |  |
| Northeast  | Bituminous  | 7,698                | 60           | 8,888                | 70           | -13.4%                | 7,031                | 62           | 9.5%                  |  |  |  |  |  |
| Nonneast   | Subbituminous   | 646                  | 48           | 1,055                | 70           | -38.8%                | 568                  | 52           | 13.7%                 |  |  |  |  |  |
| South      | Bituminous  | 45,208               | 72           | 52,312               | 80           | -13.6%                | 44,071               | 78           | 2.6%                  |  |  |  |  |  |
| COULI      | Subbituminous   | 5,878                | 53           | 6,705                | 62           | -12.3%                | 5,176                | 50           | 13.6%                 |  |  |  |  |  |
| Midwest    | Bituminous  | 15,628               | 64           | 19,079               | 76           | -18.1%                | 15,484               | 67           | 0.9%                  |  |  |  |  |  |
| Wildwest   | Subbituminous   | 44,090               | 67           | 44,119               | 68           | -0.1%                 | 42,023               | 69           | 4.9%                  |  |  |  |  |  |
| West       | Bituminous  | 7,240                | 114          | 7,756                | 117          | -6.7%                 | 7,079                | 118          | 2.3%                  |  |  |  |  |  |
| West       | Subbituminous   | 30,898               | 77           | 31,489               | 77           | -1.9%                 | 29,281               | 80           | 5.5%                  |  |  |  |  |  |
| LLS Total  | Bituminous  | 75,774               | 71           | 88,034               | 80           | -13.9%                | 73,665               | 76           | 2.9%                  |  |  |  |  |  |
| 0.5. Total | Subbituminous   | 81,511               | 69           | 83,368               | 71           | -2.2%                 | 77,047               | 71           | 5.8%                  |  |  |  |  |  |





# **Retail Sales**

| Table 8.1 Retail Sales (Million kWh) |         |         |          |         |          |  |  |  |  |  |  |  |
|--------------------------------------|---------|---------|----------|---------|----------|--|--|--|--|--|--|--|
| Ultimate Customer                    | Apr-11  | Apr-10  | % Change | Mar-11  | % Change |  |  |  |  |  |  |  |
| Residential                          | 94,401  | 88,175  | 7.1%     | 105,476 | -10.5%   |  |  |  |  |  |  |  |
| Commercial                           | 100,014 | 99,709  | 0.3%     | 103,551 | -3.4%    |  |  |  |  |  |  |  |
| Industrial                           | 79,600  | 77,977  | 2.1%     | 81,263  | -2.0%    |  |  |  |  |  |  |  |
| Transportation                       | 580     | 604     | -4.0%    | 657     | -11.7%   |  |  |  |  |  |  |  |
| All Sectors                          | 274,595 | 266,465 | 3.1%     | 290,947 | -5.6%    |  |  |  |  |  |  |  |

# **Average Retail Price**

| Table 8.2 Average Retail Price (Cents/kWh) U.S. Total |        |        |          |        |          |  |  |  |  |  |  |  |
|---|--------|--------|----------|--------|----------|--|--|--|--|--|--|--|
| Ultimate Customer                                     | Apr-11 | Apr-10 | % Change | Mar-11 | % Change |  |  |  |  |  |  |  |
| Residential   | 11.80  | 11.76  | 0.3%     | 11.64  | 1.4%     |  |  |  |  |  |  |  |
| Commercial  | 10.12  | 9.99   | 1.3%     | 10.05  | 0.7%     |  |  |  |  |  |  |  |
| Industrial  | 6.60   | 6.59   | 0.2%     | 6.59   | 0.2%     |  |  |  |  |  |  |  |
| Transportation  | 10.29  | 11.25  | -8.5%    | 10.85  | -5.2%    |  |  |  |  |  |  |  |
| All Sectors   | 9.68   | 9.58   | 1.0%     | 9.66   | 0.2%     |  |  |  |  |  |  |  |

| Table 8.3 Average Retail Price (Cents/kWh) by Census Division |        |             |          |             |        |          |  |  |  |  |  |  |
|---|--------|-------------|----------|-------------|--------|----------|--|--|--|--|--|--|
| Census Division   |        | Residential |          | All Sectors |        |          |  |  |  |  |  |  |
|   | Apr-11 | Apr-10      | % Change | Apr-11      | Apr-10 | % Change |  |  |  |  |  |  |
| New England   | 15.86  | 16.92       | -6.3%    | 14.31       | 15.08  | -5.1%    |  |  |  |  |  |  |
| Middle Atlantic   | 15.68  | 15.97       | -1.8%    | 13.00       | 13.08  | -0.6%    |  |  |  |  |  |  |
| East North Central  | 11.68  | 11.68       | 0.0%     | 8.91        | 8.89   | 0.2%     |  |  |  |  |  |  |
| West North Central  | 9.95   | 9.52        | 4.5%     | 7.88        | 7.39   | 6.6%     |  |  |  |  |  |  |
| South Atlantic  | 11.30  | 11.25       | 0.4%     | 9.60        | 9.42   | 1.9%     |  |  |  |  |  |  |
| East South Central  | 10.24  | 9.87        | 3.7%     | 8.23        | 7.87   | 4.6%     |  |  |  |  |  |  |
| West South Central  | 10.74  | 11.08       | -3.1%    | 8.38        | 8.64   | -3.0%    |  |  |  |  |  |  |
| Mountain  | 10.35  | 10.16       | 1.9%     | 8.28        | 8.23   | 0.6%     |  |  |  |  |  |  |
| Pacific Contiguous  | 12.09  | 11.80       | 2.5%     | 10.83       | 10.53  | 2.8%     |  |  |  |  |  |  |
| Pacific Noncontiguous   | 26.56  | 22.72       | 16.9%    | 24.52       | 20.60  | 19.0%    |  |  |  |  |  |  |
| U.S. Total  | 11.80  | 11.76       | 0.3%     | 9.68        | 9.58   | 1.0%     |  |  |  |  |  |  |

## Section 9. Retail Sales Trends

# Table 9.1 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<br>(All Sectors) |  |  |  |  |  |
| Current Period          | January 2011   | April 2011   | 468,037     | 410,830    | 315,362    | 2,584          | 1,196,813              |  |  |  |  |  |
| Prior Period            | January 2010   | April 2010   | 471,645     | 409,931    | 304,277    | 2,721          | 1,188,573              |  |  |  |  |  |
| Percent Difference      |                |              | -0.8%       | 0.2%       | 3.6%       | -5.0%          | 0.7%                   |  |  |  |  |  |

| Comparison to Prior Twelve-Month Period |                |              |             |            |            |                |                        |  |  |  |  |
|---|----------------|--------------|-------------|------------|------------|----------------|------------------------|--|--|--|--|
|   | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total<br>(All Sectors) |  |  |  |  |
| Current Period                          | May 2010       | April 2011   | 1,447,149   | 1,330,222  | 973,250    | 7,602          | 3,758,224              |  |  |  |  |
| Prior Period                            | May 2009       | April 2010   | 1,386,488   | 1,305,552  | 927,837    | 7,773          | 3,627,651              |  |  |  |  |
| Percent Difference                      |                |              | 4.4%        | 1.9%       | 4.9%       | -2.2%          | 3.6%                   |  |  |  |  |



Total Retail Sales Residential & Commercial Retail Sales

# Section 10. Average Retail Price Trends

| Year-to-Date Comparison |                |              |             |            |            |                |               |  |  |  |  |
|-------------------------|----------------|--------------|-------------|------------|------------|----------------|---------------|--|--|--|--|
|                         |                |              |             |            |            |                |               |  |  |  |  |
|                         | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | (All Sectors) |  |  |  |  |
| Current Period          | January 2011   | April 2011   | 11.36       | 10.04      | 6.66       | 10.64          | 9.66          |  |  |  |  |
| Prior Period            | January 2010   | April 2010   | 11.04       | 9.90       | 6.54       | 10.82          | 9.50          |  |  |  |  |
| Percent Difference      |                |              | 2.9%        | 1.4%       | 1.8%       | -1.7%          | 1.7%          |  |  |  |  |

| Comparison to Prior 12 Month Period |                |              |             |            |            |                |                        |  |  |  |  |
|-------------------------------------|----------------|--------------|-------------|------------|------------|----------------|------------------------|--|--|--|--|
|                                     |                |              |             |            |            |                |                        |  |  |  |  |
|                                     | Starting Month | Ending Month | Residential | Commercial | Industrial | Transportation | Total<br>(All Sectors) |  |  |  |  |
| Current Period                      | May 2010       | April 2011   | 11.68       | 10.30      | 6.82       | 10.90          | 9.93                   |  |  |  |  |
| Prior Period                        | May 2009       | April 2010   | 11.45       | 10.14      | 6.73       | 10.76          | 9.77                   |  |  |  |  |
| Percent Difference                  |                |              | 2.0%        | 1.6%       | 1.3%       | 1.3%           | 1.6%                   |  |  |  |  |









Monthly Flash Estimates of Electric Power Data Data for: April 2011

#### Section 11. Heating and Cooling Degree Days

Data for: April 2011

|                | 5 · · ·    |                           |                                  |                             |                                      |                           |                                  |                             |                                      |  |  |
|----------------|------------|---------------------------|----------------------------------|-----------------------------|--------------------------------------|---------------------------|----------------------------------|-----------------------------|--------------------------------------|--|--|
|                |            |                           |                                  |                             |                                      |                           |                                  |                             |                                      |  |  |
|                |            |                           | Heating De                       | egree Days                  |                                      | Cooling Degree Days       |                                  |                             |                                      |  |  |
|                |            |                           |                                  |                             |                                      |                           |                                  |                             |                                      |  |  |
|                | Month      | Heating<br>Degree<br>Days | Normal<br>Heating<br>Degree Days | Deviation<br>From<br>Normal | Percent<br>Difference<br>From Normal | Cooling<br>Degree<br>Days | Normal<br>Cooling<br>Degree Days | Deviation<br>From<br>Normal | Percent<br>Difference<br>From Normal |  |  |
| Current Period | April 2011 | 316                       | 345                              | -29                         | -8.4%                                | 56                        | 30                               | 26                          | 86.7%                                |  |  |

Table 11.1 Degree Davs



## Section 12. Documentation

**General:** The Monthly Flash Estimates of Electric Power Data ("Flash Estimates") is prepared by the Electric Power Operations Team, Office of Electricity, Renewables and Uranium Statistics, U.S. Energy Information Administration (EIA), U.S. Department of Energy. Data published in the Flash Estimates are compiled from the following sources: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," and U.S. Energy Information Administration, 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.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 releases 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 combined heat and power ("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).

Average Days of Burn: Average Days of Burn is defined as the average number of days remaining until coal stocks reach zero if no further deliveries of coal are made. These data have been calculated using only the population of coal plants present in the monthly Form EIA-923. This includes 1) coal plants that have generators with a primary fuel of bituminous coal (including anthracite) or subbituminous, and 2) are in the Electric Power Sector (as defined in the above "Sector definitions"). Excluded are plants with primary fuel of lignite and waste coal, mine mouth plants, and out of service plants. Coal storage terminals and the related plants that they serve are aggregated into one entity for the calculation of Average Days of Burn, as are plants that share stockpiles.

Average days of burn is computed as follows: End of month stocks for the current (data) month, divided by the average burn per day. Average burn per day is the average of the three previous years' consumption as reported on the Form EIA-923.

For lists of the plants included in the calculations, the plants that are excluded, and the plants that are aggregated with terminals, contact EIA at EIA923@eia.gov.

These data are displayed by coal rank and by zone. Each zone has been formed by combining the following Census Divisions:

"Northeast" -- New England, Middle Atlantic "South" -- South Atlantic, East South Central "Midwest" -- West North Central, East North Central "West" -- Mountain, West South Central, Pacific Contiguous

#### Coal Stocks: Section 6 vs. Section 7

The coal stocks data presented in Section 6 will differ from the coal stocks presented in Section 7. This occurs because coal stocks in Section 6 include the entire population of coal plants that report on both the annual and monthly Form EIA-923. The coal stocks reported in Section 7 only include coal plants that report on the monthly Form EIA-923 and have a primary fuel of bituminous (including anthracite) or subbituminous as reported on the Form EIA-860.