DOE/EIA-0226 (2011/02)

Electric Power Monthly
February 2011

With Data for November 2010

U.S. Energy Information Administration
Office of Electricity, Renewables & Uranium Statistics
U.S. Department of Energy
Washington, DC 20585

This report is available on the Web at:
http://www.eia.gov/cneaf/electricity/epm/epm_sum.html

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Preface

The *Electric Power Monthly (EPM)* presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric power industry, and the general public. The purpose of this publication is to provide energy decision makers with accurate and timely information that may be used in forming various perspectives on electric issues that lie ahead. In order to provide an integrated view of the electric power industry, data in this report have been separated into two major categories: electric power sector and combined heat and power producers. The U.S. Energy Information Administration (EIA) collected the information in this report to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275) as amended.

Background

The Office of Electricity, Renewables & Uranium Statistics, EIA, Department of Energy prepares the *EPM*. This publication provides monthly statistics at the State (lowest level of aggregation), Census Division, and U.S. levels for net generation, fossil fuel consumption and stocks, cost, quantity and quality of fossil fuels received, electricity retail sales, associated revenue, and average price of electricity sold**.** In addition the report contains rolling 12-month totals in the national overviews, as appropriate.

Data Sources

The *EPM* contains information from the following data sources: Form EIA-923, "Power Plant Operations Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-860, "Annual Electric Generator Report;" Form EIA-860M, "Monthly Update to the Annual Electric Generator Report;" Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from the internet site: http://www.eia.gov/cneaf/electricity/page/forms.html A detailed description of these forms and associated algorithms are found in Appendix C, “Technical Notes.”

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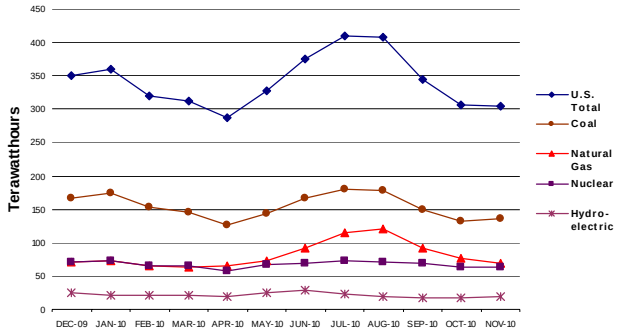
Executive Summary

Generation: Net generation in the United States was up 3.0 percent from November 2009 to November 2010. The National Oceanic and Atmospheric Administration (NOAA) reported that temperatures in the contiguous Unites Stares were near normal in November 2010 while November 2009 was the third-warmest November on record. The Federal Reserve reported that industrial production was 5.4 percent higher than it had been in November 2009, the eleventh consecutive month that industrial production was higher than it had been in the corresponding months of the previous year.

The rise in natural gas-fired generation was the largest absolute fuel-specific increase from November 2009 to November 2010 as it was up 5,060 thousand megawatthours, or 8.0 percent. Increased gas-fired generation in New York, Pennsylvania, Alabama, and Texas accounted for 61.6 of the national jump in gas-fired generation. Increased nuclear generation was the next largest fuel-specific rise as it was up 6.1 percent, or 3,586 thousand megawatthours. Increased nuclear generation in South Carolina and Pennsylvania accounted for 63.0 percent of the national nuclear increase. Generation from wind sources was the third-largest absolute fuel-specific increase, as the total was up 3,000 thousand megawatthours or 43.6 percent. Texas, Iowa, and Illinois had the three largest increases in wind generation over November 2009, and together they represented 50.1 percent of the national increase in wind generation

Conventional hydroelectric generation showed the largest absolute "fuel-specific" decline from November 2009 to November 2010 as it was down 1,583 thousand megawatthours, or 7.5 percent. Alabama, Tennessee, and North Carolina showed the largest absolute declines. Like September and October 2010, every hydroelectric plant in Alabama that reported to EIA showed lower generation in November 2010 than November 2009, and Alabama by itself accounted for 60.3 percent of the national decline in conventional hydroelectric generation. NOAA reports that year-to-date through November, the Southeast climate region experienced "below-average" precipitation. Coal-fired generation was the second-largest fuel-specific decline in November 2010 as it was down 1,314 thousand megawatthours, or 1.0 percent. The drop in Utah was by far the largest in the country as it was down 1,029 thousand megawatthours. The drop in the Beehive State is primarily attributable to a generating unit at the Intermountain Power Project – the largest power plant in the State – that was offline in November for maintenance. Petroleum liquid-fired generation was down 8.2 percent compared to a year ago, and its overall share of net generation continued to be quite small compared to coal, nuclear, natural gas-fired, and hydroelectric sources. Figure 1 shows net generation by month for the last 12 months.

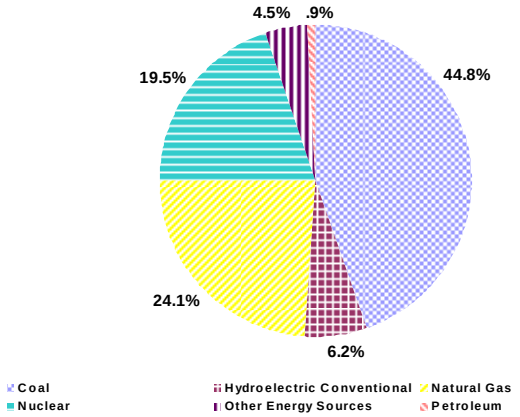
Figure 1: Net Generation by Major Energy Source: Total (All Sectors), December 2009 through November 2010



Year-to-date, total net generation increased 4.4 percent from 2009 levels. Net generation attributable to coal-fired plants rose 5.9 percent. Natural gas-fired generation was up 6.6 percent. Nuclear generation rose 0.7 percent, while petroleum liquid-fired generation was down 14.4 percent.

Year-to-date, coal-fired plants contributed 44.8 percent of the power generated in the United States. Natural gas-fired plants contributed 24.1 percent, and nuclear plants contributed 19.5 percent. Of the 0.9 percent contributed by petroleum-fired plants, petroleum liquids represented 0.6 percent, with the remainder from petroleum coke. Conventional hydroelectric sources provided 6.2 percent of the total, while other renewables (biomass, geothermal, solar, and wind) and other miscellaneous energy sources generated the remaining 4.5 percent of electric power (Figure 2).

Figure 2: Net Generation Shares by Energy Source: Total (All Sectors), Year-to-Date through November, 2010



Note: Totals may not equal sum of components because of independent rounding.

Consumption of Fuels: Consumption of coal for electric power generation in November 2010 was down 0.7 percent compared to November 2009. Consumption of natural gas rose 7.2 percent. For the same time period, consumption of petroleum liquids was down 8.6 percent, while petroleum coke was up 11.2 percent.

Fuel Stocks, Electric Power Sector, November 2010

Total electric power sector coal stocks decreased between November 2009 and November 2010 by 10.3 percent, or 20.9 million tons. November was the seventh consecutive month that total coal stocks were lower than the same month in the prior year after 20 consecutive months where they were higher. Stocks of bituminous coal fell 11.3 percent or 11.1 million tons between November 2009 and November 2010 (from 98.3 million tons to 87.2 million tons). Subbituminous coal stocks fell 11.4 percent over the same period (from 100.2 to 88.8 million tons).

Electric power sector liquid petroleum stocks totaled 37.2 million barrels at the end of November 2010, a decrease of 4.6 percent (1.8 million barrels) from November 2009. November 2010 stocks were 0.2 percent (0.1 million barrels) higher than at the end of October 2010.

Fuel Receipts and Costs, All Sectors, November 2010

Overall Receipts and Costs: In November 2010, the overall average price paid by electricity generating plants for fossil fuels (coal, petroleum, and natural gas) was $2.94 per MMBtu. This was the same price paid in October and a slight decrease from the November 2009 price of $2.96 per MMBtu (see Figure 3). The year-to-date price of all fossil fuels was $3.25 per MMBtu, up 8.0 percent from the previous year-to-date price of $3.01 per MMBtu. Most of this increase can be attributed to petroleum prices, which grew by 23.9 percent when compared with the November 2009 price. Because worldwide demand for oil is growing rapidly due to global growth, petroleum prices continue to increase.

Receipts (physical units) of coal and natural gas decreased over the previous month while receipts of petroleum increased by 13.3 percent. When compared to November 2009, the opposite occurred, i.e., there was a decrease in the receipts of petroleum and an increase in receipts of coal and natural gas.

Coal: The average price paid for coal in November 2010 was $2.25 per MMBtu, down 0.4 percent from the average price of $2.26 paid in October, and up 5.6 percent from the average price of $2.13 paid in November 2009. Receipts of coal in November 2010 were 81.1 million tons, down 4.5 percent when compared with October receipts (84.9 million tons), and up 4.2 percent when compared with November 2009 receipts (77.8 million tons).

The year-to-date average coal price in November 2010 was $2.27 per MMBtu, up 2.7 percent from the year-to-date average price in November 2009, which was $2.21 per MMBtu. The year-to-date receipts were 893.5 million tons, down 1.3 percent from the previous year-to-date amount of 905.6 million tons.

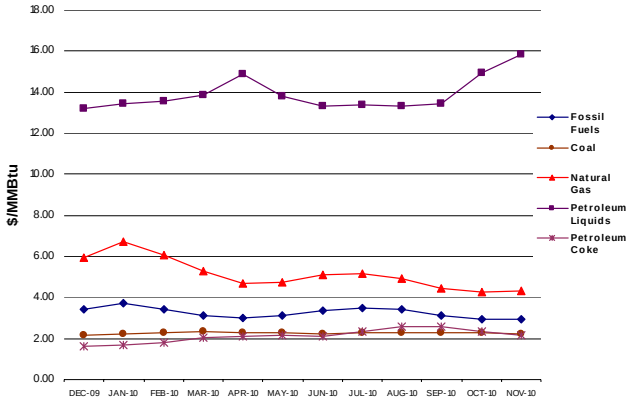
Petroleum: The average price paid for petroleum liquids in November 2010 was $15.83 per MMBtu, up 6.1 percent from the average price of $14.92 paid in October, and up 23.9 percent from the average price of $12.78 paid in November 2009. Receipts of petroleum liquids in November 2010 were 3.2 million barrels, up 13.3 percent when compared with October receipts (2.8 million barrels), and down 3.8 percent when compared with November 2009 receipts (3.3 million barrels).

The year-to-date average price in November 2010 was $13.81 per MMBtu, up 38.0 percent from the year-to-date average price in November 2009, which was $10.01 per MMBtu. The year-to-date receipts were 42.4 million barrels, down 15.3 percent from the previous year-to-date amount of 50.1 million barrels.

Natural Gas: The average price paid for natural gas in November 2010 was $4.34 per MMBtu, up 1.2 percent from the average price of $4.29 paid in October, and down 10.9 percent from the average price of $4.87 paid in November 2009. Receipts of natural gas in November 2010 were 593.2 million Mcf, down 11.3 percent when compared with October receipts (669.1 million Mcf), and up 6.5 percent when compared with November 2009 receipts (557.1 million Mcf).

The year-to-date average price in November 2010 was $5.05 per MMBtu, up 8.8 percent from the year-to-date average price in November 2009, which was $4.64 per MMBtu. The year-to-date receipts were 7,932.1 million Mcf, up 5.9 percent from the previous year-to-date amount of 7,489.7 million Mcf.

Figure 3: Electric Power Industry Fuel Costs, December 2009 through November 2010



Sales, Revenue, and Average Retail Price, November 2010

The average retail price of electricity for November 2010 was 9.62 cents per kilowatthour (kWh), 2.4 percent lower than October 2010 when the average retail price of electricity was 9.86 cents per kWh, and 2.0 percent higher than November 2009, when the price was 9.43 cents per kWh. Total retail sales between November 2009 and November 2010 increased 3.0 percent led by an 8.1-percent increase in the industrial sector. Over the same period, retail sales in the residential sector increased 0.7 percent and retail sales in the commercial sector increased 1.6 percent. The average price of residential electricity for November 2010 increased to 11.70 cents per kWh from November 2009, a 3.3-percent increase year-over-year, and decreased 1.9 percent from October 2010.

Sales: For November 2010, sales in the residential sector increased by 0.7 percent from November 2009. Industrial sector sales increased 8.1 percent from November 2009, but did decrease 3.2 percent from October 2010. Sales in the commercial sector increased by 1.6 percent from November 2009, but decreased 6.5 percent from October 2010. For November 2010, total retail sales were 274.0 billion kWh, an increase of 3.0 percent from November 2009, while decreasing 4.6 percent from October 2010. Year-to-date retail sales in November were 3,431.4 billion kWh, an increase of 5.0 percent from the same period in 2009.

Revenue: Total retail revenues in November 2010 were $26.4 billion, reflecting an increase of 5.1 percent from November 2009, and a 6.9-percent decrease from October 2010. For November 2010, both residential and commercial revenues increased 3.9 percent, while industrial sector retail revenues increased 10.5 percent from November 2009. Over the same period, transportation sector retail revenues decreased by 6.2 percent. Year-to-date retail revenue was $340.2 billion, a 4.8-percent increase over the same period in 2009.

Average Retail Price: For November 2010, the average residential retail price increased by 3.3 percent from November 2009 to 11.70 cents per kWh, and decreased by 1.9 percent from 11.93 cents per kWh in October 2010. The November 2010 average commercial sector retail price was 10.07 cents per kWh, increasing 2.2 percent from November 2009, and 2.1 percent lower than in October 2010. The average industrial sector retail price for November 2010 was 6.59 cents per kWh, a 2.3-percent increase from November 2009 and a 3.4-percent decrease from October 2010. Year-to-date 2010 average retail prices increased to 9.91 cents per kWh, representing a 0.2-percent decrease from the same period in 2009.

Figure 4: Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Year-to-Date through November 2010 and 2009

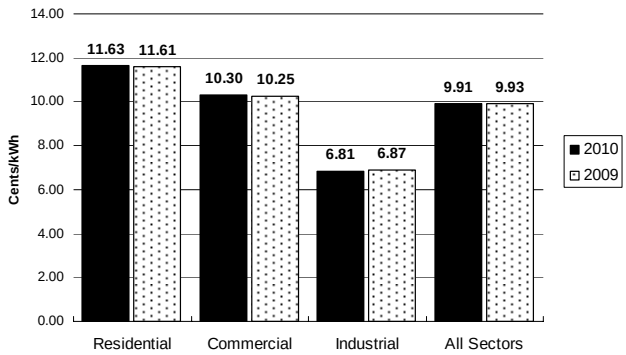


Table ES1.A. Total Electric Power Industry Summary Statistics, 2010 and 2009

Items	November										
	Net Generation and Consumption of Fuels										
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	% Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Net Generation (thousand megawatthours)											
Coal[1]	135,496	136,810	-1.0	100,104	104,003	34,061	31,641	65	94	1,266	1,072
Petroleum Liquids[2]	1,208	1,316	-8.2	841	979	303	247	6	10	57	79
Petroleum Coke	842	757	11.2	513	295	228	326	1	1	99	136
Natural Gas[3]	68,332	63,272	8.0	26,177	24,404	35,508	32,326	380	311	6,268	6,231
Other Gases[4]	897	909	-1.3	3	9	215	246	--	--	680	655
Nuclear	62,655	59,069	6.1	32,112	29,344	30,543	29,725	--	--	--	--
Hydroelectric Conventional	19,425	21,008	-7.5	17,698	19,056	1,604	1,809	7	6	117	137
Other Renewables	15,987	12,775	25.1	1,688	1,385	11,900	9,015	138	153	2,261	2,222
Wood and Wood-Derived Fuels[5]	3,124	3,013	3.7	196	143	731	724	2	2	2,196	2,146
Other Biomass[6]	1,588	1,572	1.0	109	107	1,279	1,238	136	151	64	76
Geothermal	1,333	1,273	4.7	93	96	1,240	1,177	--	--	--	--
Solar Thermal and Photovoltaic[7]	67	40	64.8	10	4	57	36	*	*	*	--
Wind	9,875	6,875	43.6	1,280	1,035	8,594	5,840	--	*	--	--
Hydroelectric Pumped Storage	-429	-330	-30.1	-359	-235	-70	-94	--	--	--	--
Other Energy Sources[8]	926	1,000	-7.4	34	38	566	490	60	73	266	399
All Energy Sources	**305,340**	**296,586**	**3.0**	**178,811**	**179,276**	**114,859**	**105,731**	**656**	**648**	**11,014**	**10,931**
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)[1]	72,643	73,150	-.7	52,915	54,755	19,220	18,012	21	26	487	357
Petroleum Liquids (1000 bbls)[2]	1,999	2,187	-8.6	1,498	1,749	433	347	7	10	60	81
Petroleum Coke (1000 tons)	303	273	11.2	203	116	81	127	*	*	20	30
Natural Gas (1000 Mcf)[3]	513,285	478,859	7.2	209,299	197,075	258,246	236,539	3,019	2,585	42,721	42,660
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)[1]	1,748	1,686	3.7	--	--	344	297	115	125	1,289	1,264
Petroleum Liquids (1000 bbls)[2]	381	525	-27.5	--	--	131	99	13	18	237	408
Petroleum Coke (1000 tons)	67	93	-27.7	--	--	11	10	1	1	54	82
Natural Gas (1000 Mcf)[3]	67,150	64,806	3.6	--	--	25,110	23,451	3,608	3,347	38,431	38,008
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)[1]	74,391	74,836	-.6	52,915	54,755	19,564	18,308	136	151	1,776	1,622
Petroleum Liquids (1000 bbls)[2]	2,380	2,713	-12.3	1,498	1,749	565	447	20	29	297	489
Petroleum Coke (1000 tons)	370	366	1.3	203	116	92	136	2	1	74	112
Natural Gas (1000 Mcf)[3]	580,435	543,665	6.8	209,299	197,075	283,356	259,990	6,628	5,932	81,153	80,668
Fuel Stocks (end-of-month)											
Coal (1000 tons)[9]	186,319	206,828	-9.9	147,233	165,738	35,616	38,027	446	398	3,024	2,666
Petroleum Liquids (1000 bbls)[2]	40,255	41,509	-3.0	25,784	25,424	11,413	13,578	360	643	2,699	1,863
Petroleum Coke (1000 tons)	1,799	1,776	1.3	893	1,060	245	198	*	*	661	517

Sales, Revenue, and Average Retail Price, November 2010

Items	Total U.S. Electric Power Industry								
	Retail Sales (Million kWh)[10]			Retail Revenue (Million Dollars)			Average Retail Price (Cents/kWh)		
	Nov 2010	Nov 2009[R]	% Change	Nov 2010	Nov 2009[R]	% Change	Nov 2010	Nov 2009[R]	% Change
Residential	93,170	92,565	.7	10,901	10,488	3.9	11.70	11.33	3.3
Commercial[11]	101,399	99,839	1.6	10,211	9,832	3.9	10.07	9.85	2.2
Industrial[11]	78,805	72,899	8.1	5,190	4,698	10.5	6.59	6.44	2.3
Transportation[11]	595	594	.2	62	66	-6.2	10.42	11.13	-6.4
All Sectors	273,969	265,897	3.0	26,364	25,084	5.1	9.62	9.43	2.0

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, and kerosene.
[3] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[4] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[5] Wood, black liquor, and other wood waste.
[6] Biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.
[7] Solar thermal and photovoltaic energy.
[8] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
[9] Anthracite, bituminous, subbituminous, coal synfuel, and lignite; excludes waste coal.
[10] Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
[11] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
R = Revised.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Values for 2009 are final. Values for 2010 are preliminary and are estimates based on samples. See Technical Notes for a discussion of the sample designs. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Monetary values are expressed in nominal terms.
Sources: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table ES1.B. Total Electric Power Industry Summary Statistics,Year-to-Date 2010 and 2009

January through November

Net Generation and Consumption of Fuels

Items	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	2010	2009	% Change	2010	2009	2010	2009	2010	2009	2010	2009
Net Generation (thousand megawatthours)											
Coal[1]	1,683,202	1,589,470	5.9	1,256,616	1,197,575	408,804	378,402	991	989	16,791	12,504
Petroleum Liquids[2]	20,978	24,506	-14.4	15,591	17,001	4,467	5,987	120	145	801	1,372
Petroleum Coke	12,414	12,010	3.4	8,086	6,716	2,999	3,921	6	4	1,324	1,369
Natural Gas[3]	904,992	849,223	6.6	351,573	322,281	477,360	454,259	4,075	3,858	71,984	68,825
Other Gases[4]	10,255	9,701	5.7	69	84	2,566	2,704	--	--	7,620	6,913
Nuclear	733,285	728,144	.7	386,121	380,173	347,164	347,972	--	--	--	--
Hydroelectric Conventional	233,940	248,715	-5.9	212,671	224,848	19,691	22,110	81	64	1,498	1,693
Other Renewables	152,923	130,793	16.9	15,337	13,323	111,102	92,467	1,603	1,624	24,881	23,379
Wood and Wood-Derived Fuels[5]	34,656	32,468	6.7	1,881	1,583	8,586	8,151	20	18	24,169	22,716
Other Biomass[6]	16,937	16,835	.6	1,152	1,212	13,495	13,355	1,581	1,606	709	663
Geothermal	14,254	13,641	4.5	1,021	1,081	13,233	12,560	--	--	--	--
Solar Thermal and Photovoltaic[7]	1,262	870	45.0	132	25	1,126	845	1	*	2	--
Wind	85,814	66,980	28.1	11,151	9,424	74,662	57,556	1	*	--	--
Hydroelectric Pumped Storage	-3,561	-4,244	16.1	-3,045	-3,090	-516	-1,154	--	--	--	--
Other Energy Sources[8]	10,355	10,914	-5.1	303	448	6,079	5,620	746	777	3,226	4,069
All Energy Sources	**3,758,784**	**3,599,233**	**4.4**	**2,243,322**	**2,159,359**	**1,379,716**	**1,312,289**	**7,621**	**7,461**	**128,125**	**120,124**
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)[1]	890,894	846,363	5.3	656,803	630,148	226,624	211,650	295	286	7,171	4,279
Petroleum Liquids (1000 bbls)[2]	35,839	41,092	-12.8	27,622	29,968	7,260	9,406	138	169	818	1,550
Petroleum Coke (1000 tons)	4,550	4,468	1.8	3,054	2,578	1,206	1,581	1	1	288	308
Natural Gas (1000 Mcf)[3]	7,047,882	6,576,700	7.2	2,962,517	2,689,432	3,558,735	3,383,090	32,455	31,226	494,174	472,953
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)[1]	19,456	18,615	4.5	--	--	3,885	3,573	1,323	1,338	14,248	13,704
Petroleum Liquids (1000 bbls)[2]	5,258	7,481	-29.7	--	--	1,026	1,198	221	264	4,011	6,019
Petroleum Coke (1000 tons)	682	919	-25.8	--	--	108	116	9	6	565	798
Natural Gas (1000 Mcf)[3]	752,314	742,958	1.3	--	--	293,970	279,690	35,861	37,574	422,483	425,694
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)[1]	910,349	864,978	5.2	656,803	630,148	230,509	215,224	1,618	1,624	21,420	17,982
Petroleum Liquids (1000 bbls)[2]	41,097	48,573	-15.4	27,622	29,968	8,287	10,604	359	433	4,829	7,569
Petroleum Coke (1000 tons)	5,232	5,387	-2.9	3,054	2,578	1,315	1,697	10	7	853	1,106
Natural Gas (1000 Mcf)[3]	7,800,195	7,319,659	6.6	2,962,517	2,689,432	3,852,705	3,662,780	68,316	68,800	916,657	898,647

Sales, Revenue, and Average Retail Price, November 2010

Items	Total U.S. Electric Power Industry								
	Retail Sales (Million kWh)[9]			Retail Revenue (Million Dollars)			Average Retail Price (Cents/kWh)		
	2010	2009[R]	% Change	2010	2009[R]	% Change	2010	2009[R]	% Change
Residential	1,320,378	1,238,879	6.6	153,560	143,822	6.8	11.63	11.61	.2
Commercial[10]	1,221,458	1,214,003	.6	125,778	124,440	1.1	10.30	10.25	.5
Industrial[10]	882,477	807,366	9.3	60,057	55,467	8.3	6.81	6.87	-.9
Transportation[10]	7,067	7,117	-.7	779	804	-3.1	11.03	11.30	-2.4
All Sectors	3,431,380	3,267,364	5.0	340,174	324,533	4.8	9.91	9.93	-.2

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[4] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[5] Wood, black liquor, and other wood waste.
[6] Biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.
[7] Solar thermal and photovoltaic energy.
[8] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
[9] Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
[10] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
R = Revised.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Values for 2009 are final. Values for 2010 are preliminary. Values from Forms EIA-826 and EIA-923 for 2009 and 2010 are estimates based on samples - see Technical Notes for a discussion of the sample designs. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2010 and 2009

November

Total (All Sectors)

Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants[1]		Year-to-Date Receipts (physical units)		Year-to-Date Cost (dollars/ physical unit)		
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	
Coal (1000 tons)[2]	81,074	77,821	44.11	42.08	598	590	893,529	905,586	44.64	43.89	
Petroleum Liquids (1000 barrels)[3]	3,199	3,324	92.76	76.76	1,297	1,127	42,440	50,094	84.00	61.02	
Petroleum Coke (1000 tons)	354	498	59.56	37.14	41	40	5,410	6,328	62.68	45.88	
Natural Gas (1000 Mcf)[4]	593,214	557,093	4.43	4.98	1,400	1,742	7,932,131	7,489,735	5.17	4.75	

Electric Utilities

Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date Receipts (physical units)		Year-to-Date Cost (dollars/ physical unit)	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Coal (1000 tons)[2]	57,814	57,441	44.98	42.51	322	313	643,440	664,881	45.22	44.63
Petroleum Liquids (1000 barrels)[3]	2,164	2,118	93.28	78.57	857	709	28,746	30,397	84.10	62.77
Petroleum Coke (1000 tons)	208	269	63.02	34.68	11	9	3,351	3,491	66.80	47.93
Natural Gas (1000 Mcf)[4]	211,312	201,085	4.85	5.82	470	737	2,988,476	2,738,744	5.53	5.55

Independent Power Producers

Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date Receipts (physical units)		Year-to-Date Cost (dollars/ physical unit)	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Coal (1000 tons)[2]	21,435	18,574	40.27	39.03	142	142	228,586	220,928	41.55	40.03
Petroleum Liquids (1000 barrels)[3]	575	665	94.54	73.50	217	201	7,344	10,542	87.18	58.06
Petroleum Coke (1000 tons)	63	106	46.26	34.73	16	17	1,007	1,572	50.88	37.34
Natural Gas (1000 Mcf)[4]	285,910	260,688	4.31	4.48	507	559	3,874,699	3,688,411	4.98	4.28

Commercial Sector

Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date Receipts (physical units)		Year-to-Date Cost (dollars/ physical unit)	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Coal (1000 tons)[2]	159	160	62.16	62.19	18	20	1,673	1,706	61.51	63.93
Petroleum Liquids (1000 barrels)[3]	29	24	92.82	89.88	87	77	437	545	83.76	63.59
Petroleum Coke (1000 tons)	2	1	53.29	35.88	1	1	11	7	57.69	47.10
Natural Gas (1000 Mcf)[4]	7,038	6,214	4.78	5.37	113	119	71,269	72,173	5.53	5.21

Industrial Sector

Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date Receipts (physical units)		Year-to-Date Cost (dollars/ physical unit)	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Coal (1000 tons)	1,666	1,646	61.53	59.84	116	115	19,830	18,071	60.01	61.80
Petroleum Liquids (1000 barrels)	431	517	87.79	72.96	136	140	5,912	8,610	79.57	58.32
Petroleum Coke (1000 tons)	82	122	61.14	44.65	13	13	1,041	1,258	60.89	50.84
Natural Gas (1000 Mcf)	88,954	89,106	3.79	4.54	310	327	997,688	990,407	4.75	4.29

[1] Represents the number of plants for which receipts data were collected for this month. A plant using more than one fuel may be counted multiple times.
[2] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[3] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[4] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Notes: • Values for 2009 are final. Values for 2010 are preliminary. • Mcf = thousand cubic feet.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2010 and 2009

November

Total (All Sectors)

Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants[1]		Year-to-Date Receipts (billion Btu)		Year-to-Date Cost (dollars/million Btu)	
	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009
Coal[2]	1,587,358	1,534,304	2.25	2.13	598	590	17,579,264	17,952,572	2.27	2.21
Petroleum Liquids[3]	18,753	19,967	15.83	12.78	1,297	1,127	258,054	305,250	13.81	10.01
Petroleum Coke	9,864	14,211	2.14	1.30	41	40	153,702	180,088	2.21	1.61
Natural Gas[4]	606,015	569,724	4.34	4.87	1,400	1,742	8,110,280	7,676,581	5.05	4.64
Fossil Fuels	2,221,991	2,138,206	2.94	2.96	2,633	2,687	26,101,300	26,114,491	3.25	3.01

Electric Utilities

Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date Receipts (billion Btu)		Year-to-Date Cost (dollars/million Btu)	
	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009
Coal[2]	1,146,728	1,141,864	2.27	2.14	322	313	12,809,058	13,326,263	2.27	2.23
Petroleum Liquids[3]	12,737	12,932	15.85	12.87	857	709	175,939	187,043	13.74	10.20
Petroleum Coke	5,726	7,688	2.28	1.21	11	9	95,205	99,378	2.35	1.68
Natural Gas[4]	215,415	205,042	4.76	5.70	470	737	3,050,846	2,804,555	5.42	5.42
Fossil Fuels	1,380,606	1,367,525	2.78	2.77	1,336	1,343	16,131,048	16,417,240	2.99	2.86

Independent Power Producers

Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date Receipts (billion Btu)		Year-to-Date Cost (dollars/million Btu)	
	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009
Coal[2]	400,802	352,701	2.15	2.06	142	142	4,308,706	4,192,072	2.20	2.11
Petroleum Liquids[3]	3,254	3,768	16.71	12.98	217	201	43,437	62,834	14.74	9.74
Petroleum Coke	1,778	3,050	1.64	1.20	16	17	28,737	45,023	1.78	1.30
Natural Gas[4]	292,224	266,906	4.21	4.37	507	559	3,962,655	3,781,786	4.87	4.17
Fossil Fuels	698,058	626,425	3.08	3.10	722	759	8,343,535	8,081,714	3.54	3.13

Commercial Sector

Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date Receipts (billion Btu)		Year-to-Date Cost (dollars/million Btu)	
	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009
Coal[2]	3,507	3,466	2.82	2.86	18	20	36,788	37,471	2.80	2.91
Petroleum Liquids[3]	171	139	15.63	15.32	87	77	2,614	3,290	14.00	10.53
Petroleum Coke	43	35	1.94	1.26	1	1	312	199	2.09	1.68
Natural Gas[4]	7,182	6,344	4.69	5.26	113	119	72,794	73,841	5.41	5.09
Fossil Fuels	10,902	9,984	4.25	4.55	166	164	112,507	114,801	4.75	4.53

Industrial Sector

Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date Receipts (billion Btu)		Year-to-Date Cost (dollars/million Btu)	
	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009	November 2010	November 2009
Coal	36,322	36,274	2.82	2.72	116	115	424,712	396,766	2.80	2.81
Petroleum Liquids	2,590	3,129	14.62	12.05	136	140	36,064	52,083	13.04	9.64
Petroleum Coke	2,317	3,438	2.17	1.59	13	13	29,448	35,488	2.15	1.80
Natural Gas	91,195	91,432	3.70	4.42	310	327	1,023,985	1,016,398	4.63	4.18
Fossil Fuels	132,424	134,273	3.64	4.07	409	421	1,514,210	1,500,735	4.27	3.95

[1] Represents the number of plants for which receipts data were collected for this month. The total number of fossil fuel plants is not a sum of the figures above it because a plant that receives two or more different fuels is only counted once.
[2] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[3] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[4] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Note: Values for 2009 are final. Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	1	Beech Ridge Energy LLC	IPP	Beech Ridge Energy LLC	WV	57151	GEN1	100.5	WND	WT
2010	1	Bosque Power Company LLC	IPP	Bosque County Peaking	TX	55172	ST-5	200.0	NG	CA
2010	1	Milwaukee Metro Sewerage Dist	Commercial	MMSD South Shore Wastewater	WI	55525	2CAT	.9	OBG	IC
2010	1	Multitrade Rabun Gap LLC	IPP	Rabun Gap Cogen Facility	GA	50201	ST2	17.0	WDS	ST
2010	1	South Carolina Pub Serv Auth	Electric Utility	Georgetown LFGTE	SC	56995	G1	1.1	LFG	IC
2010	1	TXU Generation Co LP	Industrial	Sandow Station	TX	52071	5	564.7	LIG	ST
2010	1	Town of Princeton	Electric Utility	Richard F Wheeler	MA	7501	2	3.0	WND	WT
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN1	.8	LFG	IC
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN2	.8	LFG	IC
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN3	.8	LFG	IC
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN4	.8	LFG	IC
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN5	.8	LFG	IC
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN6	.8	LFG	IC
2010	1	WM Renewable Energy LLC	IPP	Rolling Meadows	KS	57023	GEN7	.8	LFG	IC
2010	2	Cleco Power LLC	Electric Utility	Rodemacher	LA	6190	3	595.0	PC	ST
2010	2	Greensburg Wind Farm LLC	IPP	Greensburg Wind Farm LLC	KS	57118	GEN 1	12.5	WND	WT
2010	2	Iberdrola Renewable Energies USA	IPP	Klondike IV Start Point	OR	57096	1	98.7	WND	WT
2010	2	Little Rock Wastewater Utility	Commercial	Fourche Creek Wastewater	AR	10050	4	1.3	OBG	IC
2010	2	Lower Valley Energy Inc	Electric Utility	Swift Creek	WY	6394	4	.6	WAT	HY
2010	2	Lubbock Wind LLC	IPP	Lubbock Wind Ranch	TX	57259	1	1.2	WND	WT
2010	2	Orlando Utilities Comm	Electric Utility	Stanton Energy Center	FL	564	B	297.8	NG	CC
2010	2	PEI Power Corp	IPP	Archbald Power Station	PA	50279	GEN5	4.0	LFG	GT
2010	2	PEI Power Corp	IPP	Archbald Power Station	PA	50279	GEN6	4.0	LFG	GT
2010	2	South Carolina Electric&Gas Co	Electric Utility	Hagood	SC	3285	6	18.0	NG	GT
2010	2	Wisconsin Electric Power Co	Electric Utility	Elm Road Generating Station	WI	56068	1	634.0	BIT	ST
2010	3	City of Bryan	Electric Utility	Dansby	TX	6243	3	47.1	NG	GT
2010	3	City of Wisner	Electric Utility	Wisner	NE	2316	4	1.5	DFO	IC
2010	3	City of Wisner	Electric Utility	Wisner	NE	2316	5	1.5	DFO	IC
2010	3	Iberdrola Renewable Energies USA	IPP	Penascal II	TX	57095	1	201.0	WND	WT
2010	3	Iberdrola Renewable Energies USA	IPP	Streator Cayuga Ridge South	IL	57094	1	150.0	WND	WT
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	10A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	11A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	12A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	13A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	14A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	15A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	16A	8.4	NG	IC

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	18A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	1A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	2A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	3A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	4A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	5A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	6A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	7A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	8A	8.4	NG	IC
2010	3	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	9A	8.4	NG	IC
2010	3	Stetson Mountain Wind II	IPP	Stetson Mountain Wind II	ME	56991	1	25.5	WND	WT
2010	3	Topaz Power Group LLC	IPP	Barney M Davis	TX	4939	3	175.1	NG	CT
2010	3	Topaz Power Group LLC	IPP	Barney M Davis	TX	4939	4	175.1	NG	CT
2010	3	Topaz Power Group LLC	IPP	Nueces Bay	TX	3441	8	175.1	NG	CT
2010	3	Topaz Power Group LLC	IPP	Nueces Bay	TX	3441	9	175.1	NG	CT
2010	3	University of Texas at Austin	Commercial	Hal C Weaver Power Plant	TX	50118	GEN10	33.0	NG	CT
2010	3	WM Renewable Energy LLC	IPP	Westside	TX	57020	GEN1	1.6	LFG	IC
2010	3	WM Renewable Energy LLC	IPP	Westside	TX	57020	GEN2	1.6	LFG	IC
2010	3	WM Renewable Energy LLC	IPP	Westside	TX	57020	GEN3	1.6	LFG	IC
2010	4	Black Hills Power Inc	Electric Utility	Wygen 3	WY	56596	5	100.0	SUB	ST
2010	4	Boise-Kuna Irrigation District	IPP	Arrowrock Hydroelectric Project	ID	56997	1	8.0	WAT	HY
2010	4	Boise-Kuna Irrigation District	IPP	Arrowrock Hydroelectric Project	ID	56997	2	8.0	WAT	HY
2010	4	CalRenew-1 LLC	IPP	CalRenew-1	CA	56768	CR1	5.0	SUN	PV
2010	4	Day County Wind LLC	IPP	Day County Wind LLC	SD	57194	GE15	99.0	WND	WT
2010	4	Florida Power & Light Co	Electric Utility	Space Coast Solar Energy	FL	56930	1	10.0	SUN	PV
2010	4	Gay & Robinson Inc	Industrial	Gay Robinson	HI	50333	DSL5	.5	DFO	IC
2010	4	Gay & Robinson Inc	Industrial	Gay Robinson	HI	50333	DSL6	.5	DFO	IC
2010	4	Jacksonville Solar LLC	IPP	Jacksonville Solar	FL	57202	1	15.0	SUN	PV
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	17A	8.4	NG	IC
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	19A	8.4	NG	IC
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	20A	8.4	NG	IC
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	21A	8.4	NG	IC
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	22A	8.4	NG	IC
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	23A	8.4	NG	IC
2010	4	South Texas Electric Coop, Inc	Electric Utility	Pearsall	TX	3630	24A	8.4	NG	IC
2010	4	TXU Generation Co LP	IPP	Oak Grove	TX	6180	OG1	817.0	LIG	ST

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	4	Wyandot Solar LLC	IPP	Wyandot Solar	OH	57203	1	12.0	SUN	PV
2010	5	Archer Daniels Midland Co	Industrial	Archer Daniels Midland - Columbus	NE	57046	GEN1	61.0	SUB	ST
2010	5	Arkansas Electric Coop Corp	Electric Utility	Elkins Generating Center	AR	56489	A	20.0	NG	GT
2010	5	Arkansas Electric Coop Corp	Electric Utility	Elkins Generating Center	AR	56489	B	20.0	NG	GT
2010	5	Copper Valley Elec Assn, Inc	Electric Utility	Glennallen	AK	6305	9	2.8	DFO	IC
2010	5	East Kentucky Power Coop, Inc	Electric Utility	J K Smith	KY	54	GT10	88.0	NG	GT
2010	5	East Kentucky Power Coop, Inc	Electric Utility	J K Smith	KY	54	GT9	88.0	NG	GT
2010	5	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GE06	1.0	DFO	IC
2010	5	Inland Empire Energy Ctr LLC	IPP	Inland Empire Energy Center	CA	55853	2	365.0	NG	CS
2010	5	Lost Creek Wind LLC	IPP	Lost Creek Wind LLC	MO	57189	LCW	150.0	WND	WT
2010	5	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	5	.4	DFO	IC
2010	5	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	6	.4	DFO	IC
2010	5	Olmsted County Public Works	Commercial	Olmsted Waste Energy	MN	50413	TG3	4.5	MSW	ST
2010	5	Riverbay Corp	Commercial	Riverbay	NY	52168	GEN2	13.8	NG	CA
2010	5	Riverbay Corp	Commercial	Riverbay	NY	52168	GEN3	11.1	NG	CT
2010	5	Riverbay Corp	Commercial	Riverbay	NY	52168	GEN4	11.1	NG	CT
2010	5	San Antonio City of	Electric Utility	J K Spruce	TX	7097	2	775.0	SUB	ST
2010	5	Solar Star North Carolina I LLC	IPP	Shelby Solar Energy Generation Facility	NC	57200	1	1.0	SUN	PV
2010	5	WM Illinois Renewable Energy LLC	IPP	Woodland Landfill Gas Recovery	IL	54662	GEN3	1.6	LFG	IC
2010	5	WM Illinois Renewable Energy LLC	IPP	Woodland Landfill Gas Recovery	IL	54662	GEN4	1.6	LFG	IC
2010	5	WM Renewable Energy LLC	IPP	King George	VA	57022	GEN1	2.8	LFG	GT
2010	5	WM Renewable Energy LLC	IPP	King George	VA	57022	GEN2	2.8	LFG	GT
2010	5	WM Renewable Energy LLC	IPP	King George	VA	57022	GEN3	2.8	LFG	GT
2010	5	Winnebago County	IPP	Winnebago County Landfill Gas	WI	50936	EG5	1.4	LFG	IC
2010	6	Austin Energy	Electric Utility	Sand Hill	TX	7900	SH6	47.3	NG	GT
2010	6	Austin Energy	Electric Utility	Sand Hill	TX	7900	SH7	47.3	NG	GT
2010	6	CER Generation LLC	IPP	Hillabee Energy Center	AL	55411	HEC1	236.6	NG	CT
2010	6	CER Generation LLC	IPP	Hillabee Energy Center	AL	55411	HEC2	236.6	NG	CT
2010	6	CER Generation LLC	IPP	Hillabee Energy Center	AL	55411	HECS	281.8	NG	CA
2010	6	City of Rock Island	IPP	Sears Hydroelectric Plant	IL	56978	3	.3	WAT	HY
2010	6	City of Rock Island	IPP	Sears Hydroelectric Plant	IL	56978	4	.3	WAT	HY
2010	6	City of St George	Electric Utility	Millcreek Power Generation	UT	56253	MC2	36.8	NG	GT
2010	6	El Cajon Energy LLC	IPP	El Cajon Energy Center	CA	57001	GEN1	43.5	NG	GT
2010	6	El Dorado Energy LLC	IPP	Copper Mountain Solar I	NV	57205	PV02	8.0	SUN	PV
2010	6	GenConn Devon LLC	IPP	GenConn Devon LLC	CT	57070	16	48.5	KER	GT
2010	6	GenConn Devon LLC	IPP	GenConn Devon LLC	CT	57070	17	48.5	KER	GT
2010	6	GenConn Devon LLC	IPP	GenConn Devon LLC	CT	57070	18	48.5	KER	GT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	6	Innovative Energy Systems Inc	IPP	Fulton LFGTE Facility	NY	57003	GEN1	1.6	LFG	IC
2010	6	Innovative Energy Systems Inc	IPP	Fulton LFGTE Facility	NY	57003	GEN2	1.6	LFG	IC
2010	6	Montana-Dakota Utilities Co	Electric Utility	Cedar Hills	ND	57171	1	19.5	WND	WT
2010	6	Orange Grove Energy LP	IPP	Orange Grove Peaking Facility	CA	56914	CTG1	47.0	NG	GT
2010	6	Orange Grove Energy LP	IPP	Orange Grove Peaking Facility	CA	56914	CTG2	47.0	NG	GT
2010	6	Paducah Power System	IPP	PPS Power Plant No 1	KY	56556	1	55.0	NG	GT
2010	6	Paducah Power System	IPP	PPS Power Plant No 1	KY	56556	2	55.0	NG	GT
2010	6	Southwestern Electric Power Co	Electric Utility	J Lamar Stall	LA	56565	6A	160.0	NG	CT
2010	6	Southwestern Electric Power Co	Electric Utility	J Lamar Stall	LA	56565	6B	160.0	NG	CT
2010	6	Southwestern Electric Power Co	Electric Utility	J Lamar Stall	LA	56565	6STG	187.0	NG	CA
2010	6	United States Steel Granite City Works	Industrial	Granite City Works	IL	57072	G-1	78.0	BFG	ST
2010	6	WM Renewable Energy LLC	IPP	Riverbend	OR	57019	GEN1	.8	LFG	IC
2010	6	WM Renewable Energy LLC	IPP	Riverbend	OR	57019	GEN2	.8	LFG	IC
2010	6	WM Renewable Energy LLC	IPP	Riverbend	OR	57019	GEN3	.8	LFG	IC
2010	6	WM Renewable Energy LLC	IPP	Riverbend	OR	57019	GEN4	.8	LFG	IC
2010	6	WM Renewable Energy LLC	IPP	Riverbend	OR	57019	GEN5	.8	LFG	IC
2010	6	WM Renewable Energy LLC	IPP	Riverbend	OR	57019	GEN6	.8	LFG	IC
2010	7	Columbus Water Works	Commercial	South Columbus Water Resource Facility	GA	57076	GEN1	1.8	OBG	IC
2010	7	Columbus Water Works	Commercial	South Columbus Water Resource Facility	GA	57076	GEN2	1.8	OBG	IC
2010	7	First State Marine Wind	IPP	University of Delaware Wind Turbine	DE	57176	FSMW	2.0	WND	WT
2010	7	GenConn Devon LLC	IPP	GenConn Devon LLC	CT	57070	15	48.5	KER	GT
2010	7	Greenville, City of	Electric Utility	Powerlane Plant	TX	4195	EP	8.0	NG	IC
2010	7	Greenville, City of	Electric Utility	Powerlane Plant	TX	4195	EP2	8.0	NG	IC
2010	7	Greenville, City of	Electric Utility	Powerlane Plant	TX	4195	EP3	8.0	NG	IC
2010	7	Los Angeles County Sanitation	IPP	Calabasas Gas to Energy Facility	CA	57163	GEN1	3.3	LFG	GT
2010	7	Los Angeles County Sanitation	IPP	Calabasas Gas to Energy Facility	CA	57163	GEN2	3.3	LFG	GT
2010	7	Los Angeles County Sanitation	IPP	Calabasas Gas to Energy Facility	CA	57163	GEN3	3.3	LFG	GT
2010	7	Public Service Co of Colorado	Electric Utility	Comanche	CO	470	3	750.0	SUB	ST
2010	8	Blackstone Wind Farm II LLC	IPP	Blackstone Wind Farm II LLC	IL	57113	GEN 1	200.0	WND	WT
2010	8	Kansas City Power & Light Co	Electric Utility	Iatan	MO	6065	2	850.0	SUB	ST
2010	8	Meadow Lake Wind Farm II LLC	IPP	Meadow Lake Wind Farm II LLC	IN	57112	GEN 2	101.0	WND	WT
2010	8	Ormat Nevada Inc	IPP	OREG 3 Inc	MN	57281	CS13	5.0	WH	BT
2010	8	Portland General Electric Co	Electric Utility	Biglow Canyon Wind Farm	OR	56485	3	174.8	WND	WT
2010	8	SAS Institute Inc	IPP	SAS Solar Farm	NC	56915	3	.6	SUN	PV
2010	8	SAS Institute Inc	IPP	SAS Solar Farm	NC	56915	4	.6	SUN	PV
2010	8	Vantage Wind Energy LLC	IPP	Vantage Wind Energy LLC	WA	57188	1	90.0	WND	WT
2010	9	AE Power Services LLC	IPP	Goshen Phase II	ID	57211	1	124.5	WND	WT
2010	9	Duke Energy Carolinas, LLC	Electric Utility	DE Solar 10240 Old Dowd Rd	NC	57334	PV01	1.9	SUN	PV

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	9	Dynegy Services Plum Point LLC	IPP	Plum Point Energy Station	AR	56456	STG1	665.0	SUB	ST
2010	9	El Dorado Energy LLC	IPP	Copper Mountain Solar I	NV	57205	PV03	10.0	SUN	PV
2010	9	Empire Generating Co LLC	IPP	Empire Generating Co LLC	NY	56259	CT11	155.0	NG	CT
2010	9	Empire Generating Co LLC	IPP	Empire Generating Co LLC	NY	56259	CT12	155.0	NG	CT
2010	9	Empire Generating Co LLC	IPP	Empire Generating Co LLC	NY	56259	ST13	270.0	NG	CA
2010	9	J&A-Santa Maria II LLC	IPP	J&A-Santa Maria II LLC	CA	57101	1	1.4	LFG	IC
2010	9	Meadow Lake Wind Farm III LLC	IPP	Meadow Lake Wind Farm III LLC	IN	57115	GEN 1	100.0	WND	WT
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC1	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC10	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC2	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC4	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC5	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC6	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC7	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC8	16.7	NG	IC
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC9	16.7	NG	IC
2010	9	Tennessee Valley Authority	Electric Utility	Lagoon Creek	TN	7845	CTG1	158.0	NG	CT
2010	9	Tennessee Valley Authority	Electric Utility	Lagoon Creek	TN	7845	CTG2	158.0	NG	CT
2010	9	Tennessee Valley Authority	Electric Utility	Lagoon Creek	TN	7845	STG1	224.0	NG	CA
2010	9	WM Renewable Energy LLC	IPP	Omega Hills Gas Recovery	WI	50577	GEN5	2.9	LFG	GT
2010	10	DeWind SW1 Wind Farms LLC	IPP	Little Pringle 1 LLC	TX	57263	LP1	10.0	WND	WT
2010	10	DeWind SW1 Wind Farms LLC	IPP	Little Pringle 2 LLC	TX	57264	LP2	10.0	WND	WT
2010	10	Duke Energy Top Of the World WindPower	IPP	Top of the World	WY	57327	TOTW1	200.0	WND	WT
2010	10	El Dorado Energy LLC	IPP	Copper Mountain Solar I	NV	57205	PV04	10.0	SUN	PV
2010	10	Los Angeles City of	IPP	1111 Figueroa Pl	CA	57314	1	1.2	SUN	PV
2010	10	Meadow Lake Wind Farm IV LLC	IPP	Meadow Lake Wind Farm IV	IN	57177	GEN 1	100.8	WND	WT
2010	10	PacifiCorp	Electric Utility	Dunlap	WY	57299	1	111.0	WND	WT
2010	10	Public Service Elec & Gas Co	Electric Utility	Silver Lake Solar Farm	NJ	57341	SILV	1.7	SUN	PV
2010	10	TransCanada Maine Wind Development Inc	IPP	Kibby Mountain Wind	ME	56829	2	66.0	WND	WT
2010	10	Wabash Valley Power Assn, Inc	Electric Utility	Earthmovers	IN	57250	1	.8	LFG	IC
2010	10	Wabash Valley Power Assn, Inc	Electric Utility	Earthmovers	IN	57250	2	.8	LFG	IC
2010	10	Wabash Valley Power Assn, Inc	Electric Utility	Earthmovers	IN	57250	3	.8	LFG	IC
2010	10	Wabash Valley Power Assn, Inc	Electric Utility	Earthmovers	IN	57250	4	.8	LFG	IC
2010	10	Wabash Valley Power Assn, Inc	Electric Utility	Earthmovers	IN	57250	5	.8	LFG	IC

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	10	Wabash Valley Power Assn, Inc	Electric Utility	Earthmovers	IN	57250	6	.8	LFG	IC
2010	11	AMERESCO Chiquita Canyon LLC	IPP	AMERESCO Chiquita Canyon	CA	56898	1	4.0	LFG	GT
2010	11	AMERESCO Chiquita Canyon LLC	IPP	AMERESCO Chiquita Canyon	CA	56898	2	4.0	LFG	GT
2010	11	Duke Energy Generation Services, Inc	IPP	Kit Carson Windpower LLC	CO	57244	KCW	51.0	WND	WT
2010	11	E ON Climate Renewables N America Inc	IPP	EC&R Papalote Creek II LLC	TX	57212	1	200.1	WND	WT
2010	11	El Dorado Energy LLC	IPP	Copper Mountain Solar I	NV	57205	PV05	10.0	SUN	PV
2010	11	FPL Energy MontezumaWind	IPP	FPL Energy Montezuma Winds LLC	CA	57201	S2.3	36.8	WND	WT
2010	11	Sagebrush Power Partners, LLC	IPP	Sagebrush Power Partners	WA	56858	GEN1	100.7	WND	WT
2010	11	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN8	.8	LFG	IC
2010	11	TX Solar I LLC	IPP	Blue Wing Solar Energy Generation	TX	57197	1	13.5	SUN	PV
2010	11	WM Renewable Energy LLC	IPP	Eco Vista	AR	57025	GEN1	.8	LFG	IC
2010	11	WM Renewable Energy LLC	IPP	Eco Vista	AR	57025	GEN2	.8	LFG	IC
2010	11	WM Renewable Energy LLC	IPP	Eco Vista	AR	57025	GEN3	.8	LFG	IC
2010	11	WM Renewable Energy LLC	IPP	Eco Vista	AR	57025	GEN4	.8	LFG	IC
2010	11	WM Renewable Energy LLC	IPP	Eco Vista	AR	57025	GEN5	.8	LFG	IC
2010	11	WM Renewable Energy LLC	IPP	Northern Oaks	MI	57024	GEN1	1.6	LFG	IC
2010	12	Ashtabula Wind III LLC	IPP	Ashtabula Wind III LLC	ND	57387	GE16	62.4	WND	WT
2010	12	Baldwin Wind LLC	IPP	Baldwin Wind LLC	ND	57347	GE1	102.4	WND	WT
2010	12	Basin Electric Power Coop	Electric Utility	Culbertson Station	MT	56606	1	91.0	NG	GT
2010	12	CPV Keenan II Renewable Energy Co LLC	IPP	Keenan II Renewable Energy Co LLC	OK	57358	GEN1	151.8	WND	WT
2010	12	Criterion Power Partners LLC	IPP	Criterion Wind Project	MD	57300	1	70.0	WND	WT
2010	12	Edison Mission Energy	IPP	Cedro Hill Wind LLC	TX	57260	1	150.0	WND	WT
2010	12	El Dorado Energy LLC	IPP	Copper Mountain Solar I	NV	57205	PV06	10.0	SUN	PV
2010	12	First Solar Energy LLC	IPP	Cimarron	NM	57243	CIM1	30.2	SUN	PV
2010	12	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm	NE	57283	WTG1	55.2	WND	WT
2010	12	Florida Power & Light Co	Electric Utility	Martin	FL	6043	9	75.0	SUN	CA
2010	12	Grant County Wind LLC	IPP	Grant County Wind LLC	MN	57274	1	20.0	WND	WT
2010	12	Idaho Wind Partners 1 LLC	Electric Utility	Nobles	MN	57125	CRWP	22.5	WND	WT
2010	12	Idaho Wind Partners 1 LLC	Electric Utility	Nobles	MN	57124	PFWP	21.0	WND	WT
2010	12	Idaho Wind Partners 1 LLC	Electric Utility	Nobles	MN	57126	YCWP	21.0	WND	WT
2010	12	Lower Valley Energy Inc	Electric Utility	Swift Creek	WY	6394	5	.3	WAT	HY
2010	12	Massachusettes Electric	Electric Utility	Haverhill Solar Site	MA	57269	1	1.0	SUN	PV
2010	12	Massachusettes Electric	Electric Utility	Revere Solar Site	MA	57266	1	1.0	SUN	PV

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	12	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	7	.4	DFO	IC
2010	12	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	8	.4	DFO	IC
2010	12	Minnesota Power Inc	Electric Utility	Bison I Wind Energy Center	ND	57038	PHS1	36.8	WND	WT
2010	12	Northern States Power Co - Minnesota	Electric Utility	Nobles	MN	57047	1	201.0	WND	WT
2010	12	Pacific Gas & Electric Co	Electric Utility	Colusa Generating Station	CA	56532	A	167.0	NG	CT
2010	12	Pacific Gas & Electric Co	Electric Utility	Colusa Generating Station	CA	56532	B	167.0	NG	CT
2010	12	Pacific Gas & Electric Co	Electric Utility	Colusa Generating Station	CA	56532	C	306.0	NG	CA
2010	12	Pattern Operators LP	IPP	Hatchet Ridge	CA	56654	1	101.2	WND	WT
2010	12	PowerSouth Energy Cooperative	Electric Utility	McIntosh	AL	7063	4	170.0	NG	GT
2010	12	PowerSouth Energy Cooperative	Electric Utility	McIntosh	AL	7063	5	170.0	NG	GT
2010	12	Red Mesa Wind LLC	IPP	Red Mesa Wind LLC	MN	57357	EXIS	102.4	WND	WT
2010	12	San Antonio City of	Electric Utility	V H Braunig	TX	3612	5	47.0	NG	GT
2010	12	San Antonio City of	Electric Utility	V H Braunig	TX	3612	6	47.0	NG	GT
2010	12	San Antonio City of	Electric Utility	V H Braunig	TX	3612	7	47.0	NG	GT
2010	12	San Antonio City of	Electric Utility	V H Braunig	TX	3612	8	47.0	NG	GT
2010	12	South Carolina Pub Serv Auth	Electric Utility	Richland County Landfill	SC	56122	R2	1.6	LFG	IC
2010	12	South Carolina Pub Serv Auth	Electric Utility	Richland County Landfill	SC	56122	R3	1.6	LFG	IC
2010	12	Southern California Edison Co	Electric Utility	SPVP #22	CA	57237	S022A	.5	SUN	PV
2010	12	Southern California Edison Co	Electric Utility	SPVP #22	CA	57237	S022B	.5	SUN	PV
2010	12	Southern California Edison Co	Electric Utility	SPVP #22	CA	57237	S022C	.5	SUN	PV
2010	12	Southern California Edison Co	Electric Utility	SPVP #22	CA	57237	S022D	.5	SUN	PV
2010	12	WM Renewable Energy LLC	IPP	Mesquite Creek	TX	57167	GEN1	1.6	LFG	IC
2010	12	WM Renewable Energy LLC	IPP	Mesquite Creek	TX	57167	GEN2	1.6	LFG	IC
Year-to-Date Capacity of New Units								**16,409.3**		
Year-to-Date Capacity of Retired Units								**1,290.4**		
Year-to-Date U.S. Capacity[1]								**1,040,519.3**		

[1] Preliminary 2010 capacity; based on final 2009 capacity and preliminary 2010 capacity additions and retirements

Notes: • See Glossary for definitions. • Totals may not equal sum of components because of independent rounding. • Descriptions for the Energy Source and Prime Mover codes listed in the table can be obtained from the Form EIA-860 instructions at the following link: http://www.eia.gov/cneaf/electricity/forms/eia860/eia860.pdf

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report" and Form EIA-860M, "Monthly Update to the Annual Electric Generator Report."

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	1	City of Wisner	Electric Utility	Wisner	NE	2316	1	.6	DFO	IC
2010	1	City of Wisner	Electric Utility	Wisner	NE	2316	2	.4	DFO	IC
2010	1	KC Energy LLC	IPP	Chula Vista I	CA	55540	GEN1	33.6	NG	GT
2010	1	Multitrade Rabun Gap LLC	IPP	Rabun Gap Cogen Facility	GA	50201	ST1	4.1	WDS	ST
2010	1	Public Service Co of Colorado	Electric Utility	Zuni	CO	478	1	26.0	NG	ST
2010	2	New York Power Authority	Electric Utility	Charles Poletti	NY	2491	6	847.0	RFO	ST
2010	3	Athens Regional Medical Center	Commercial	Athens Regional Medical Center	GA	55319	CU1	.7	DFO	IC
2010	5	Calpine Monterey Cogen Inc	IPP	Watsonville Power Plant	CA	50968	GEN2	6.9	NG	CA
2010	5	Kansas State University	Commercial	Kansas State Univ Main Campus	KS	54811	2	2.3	NG	ST
2010	5	Kansas State University	Commercial	Kansas State Univ Main Campus	KS	54811	3	1.4	NG	ST
2010	5	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	1	.4	DFO	IC
2010	5	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	2	.4	DFO	IC
2010	5	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	3	.4	DFO	IC
2010	5	Matanuska Electric Assn Inc	Electric Utility	Unalakleet	AK	6299	4	.4	DFO	IC
2010	5	UGI Development Co	IPP	Hunlock Power Station	PA	3176	3	43.0	BIT	ST
2010	5	USCE-Wilmington District	Electric Utility	John H Kerr	VA	3833	5	37.0	WAT	HY
2010	6	City of Marblehead	Electric Utility	Commercial Street	MA	6585	2	1.0	DFO	IC
2010	6	Sleepy Eye Public Utility Comm	Electric Utility	Sleepy Eye	MN	2011	3	1.5	DFO	IC
2010	7	Chevron Business & Real Estate Services	Commercial	Concord Cogen	CA	52080	1,605	1.5	NG	IC
2010	7	Chevron Business & Real Estate Services	Commercial	Concord Cogen	CA	52080	1,606	1.5	NG	IC
2010	7	Transcontinental Gas PL Corp	IPP	District 100 Transco Gas Pipe Line	AL	54743	1	.7	NG	ST
2010	7	Transcontinental Gas PL Corp	IPP	District 100 Transco Gas Pipe Line	AL	54743	2	.7	NG	ST
2010	8	Conoco Inc	Industrial	Ponca City Refinery	OK	52188	G1	3.0	OG	ST
2010	8	Conoco Inc	Industrial	Ponca City Refinery	OK	52188	G2	3.0	OG	ST
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	ST1	52.0	NG	ST
2010	9	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	ST2	53.0	NG	ST
2010	9	Pacific Gas & Electric Co	Electric Utility	Mobile GT	CA	6212	2	15.0	DFO	GT
2010	9	Pacific Gas & Electric Co	Electric Utility	Mobile GT	CA	6212	3	15.0	DFO	GT
2010	9	Primary Childrens Medical Ctr	Commercial	Primary Childrens Medical Center	UT	52119	CG01	.6	NG	IC
2010	9	Primary Childrens Medical Ctr	Commercial	Primary Childrens Medical Center	UT	52119	CG02	.6	NG	IC
2010	9	Primary Childrens Medical Ctr	Commercial	Primary Childrens Medical Center	UT	52119	CG03	.6	NG	IC
2010	12	Hawaii Electric Light Co Inc	Electric Utility	Lalamilo Windfarm	HI	7769	1-81	1.6	WND	WT
2010	12	Hawaii Electric Light Co Inc	Electric Utility	Lalamilo Windfarm	HI	7769	8,211	.6	WND	WT
2010	12	Public Service Co of Colorado	Electric Utility	Cameo	CO	468	1	23.7	BIT	ST
2010	12	Public Service Co of Colorado	Electric Utility	Cameo	CO	468	2	49.0	BIT	ST
2010	12	Southwestern Public Service Co	Electric Utility	Celanese	TX	7678	1	13.0	OTH	OT
2010	12	Southwestern Public Service Co	Electric Utility	Celanese	TX	7678	2	26.0	PUR	ST

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant and Month, 2010

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2010	12	Southwestern Public Service Co	Electric Utility	Tucumcari	NM	2469	3	1.0	DFO	IC
2010	12	Southwestern Public Service Co	Electric Utility	Tucumcari	NM	2469	9	5.0	DFO	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	10	3.7	NG	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	11	3.7	NG	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	12	3.3	NG	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	6	1.0	NG	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	7	1.0	NG	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	8	1.0	NG	IC
2010	12	Terrebonne Parish Consol Gov't	Electric Utility	Houma	LA	1439	9	2.5	NG	IC
Year-to-Date Capacity of Retirements								**1,290.4**		

Notes: • See Glossary for definitions. • Totals may not equal sum of components because of independent rounding. • Descriptions for the Energy Source and Prime Mover codes listed in the table can be obtained from the Form EIA-860 instructions at the following link: http://www.eia.gov/cneaf/electricity/forms/eia860/eia860.pdf

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report" and Form EIA-860M, "Monthly Update to the Annual Electric Generator Report."

Chapter 1. Net Generation

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 1996 through November 2010
(Thousand Megawatthours)

Period	Coal[1]	Petroleum Liquids[2]	Petroleum Coke	Natural Gas	Other Gases[3]	Nuclear	Hydroelectric Conventional	Other Renewables[4]	Hydroelectric Pumped Storage	Other[5]	Total
1996	**1,795,196**	**73,521**	**7,890**	**455,056**	**14,356**	**674,729**	**347,162**	**75,796**	**-3,088**	**3,571**	**3,444,188**
1997	**1,845,016**	**82,773**	**9,782**	**479,399**	**13,351**	**628,644**	**356,453**	**77,183**	**-4,040**	**3,612**	**3,492,172**
1998	**1,873,516**	**116,859**	**11,941**	**531,257**	**13,492**	**673,702**	**323,336**	**77,088**	**-4,467**	**3,571**	**3,620,295**
1999	**1,881,087**	**107,276**	**10,785**	**556,396**	**14,126**	**728,254**	**319,536**	**79,423**	**-6,097**	**4,024**	**3,694,810**
2000	**1,966,265**	**102,160**	**9,061**	**601,038**	**13,955**	**753,893**	**275,573**	**80,906**	**-5,539**	**4,794**	**3,802,105**
2001	**1,903,956**	**114,647**	**10,233**	**639,129**	**9,039**	**768,826**	**216,961**	**70,769**	**-8,823**	**11,906**	**3,736,644**
2002	**1,933,130**	**78,701**	**15,867**	**691,006**	**11,463**	**780,064**	**264,329**	**79,109**	**-8,743**	**13,527**	**3,858,452**
2003	**1,973,737**	**102,734**	**16,672**	**649,908**	**15,600**	**763,733**	**275,806**	**79,487**	**-8,535**	**14,045**	**3,883,185**
2004	**1,978,301**	**100,391**	**20,754**	**710,100**	**15,252**	**788,528**	**268,417**	**83,067**	**-8,488**	**14,232**	**3,970,555**
2005	**2,012,873**	**99,840**	**22,385**	**760,960**	**13,464**	**781,986**	**270,321**	**87,329**	**-6,558**	**12,821**	**4,055,423**
2006	**1,990,511**	**44,460**	**19,706**	**816,441**	**14,177**	**787,219**	**289,246**	**96,525**	**-6,558**	**12,974**	**4,064,702**
2007	**2,016,456**	**49,505**	**16,234**	**896,590**	**13,453**	**806,425**	**247,510**	**105,238**	**-6,896**	**12,231**	**4,156,745**
2008											
January	182,876	3,131	1,366	72,600	1,063	70,735	20,779	10,243[R]	-746	951[R]	362,998
February	166,666	2,438	1,231	60,042	972	65,130	18,789	9,349[R]	-451	939[R]	325,106
March	160,743	2,112	1,039	62,171	1,049	64,716	21,669	10,703[R]	-553	980[R]	324,630
April	146,983	2,274	1,126	63,046	1,021	57,333	22,234	10,971[R]	-132	1,008[R]	305,865
May	154,916	2,343	1,055	62,270	1,044	64,826	27,221	11,100[R]	-587	1,057[R]	325,245
June	171,043	3,707	1,255	84,620	1,132	70,319	29,177	11,145[R]	-372	1,082[R]	373,109
July	186,733	2,983	1,174	100,321	1,174	74,318	25,555	10,333[R]	-799	1,108[R]	402,900
August	180,576	2,547	1,264	99,673	1,147	72,617	21,229	9,514[R]	-648	1,066[R]	388,987
September	161,356	2,990	1,181	79,136	823	67,054	16,178	8,924[R]	-517	931[R]	338,056
October	151,841	1,943	1,343	73,283	806	62,820	15,470	10,647[R]	-497	891[R]	318,547
November	154,281	2,191	1,154	61,454	721	63,408	15,668	10,782[R]	-489	875[R]	310,046
December	167,786	3,257	1,137	64,364	753	72,931	20,861	12,390[R]	-498	917[R]	343,898
Total	**1,985,801**	**31,917**	**14,325**	**882,981**	**11,707**	**806,208**	**254,831**	**126,101[R]**	**-6,288**	**11,804[R]**	**4,119,388**
2009											
January	171,925	4,968	1,136	66,379	807	74,102	23,490	11,704	-501	936	354,947
February	140,916	2,267	1,051	62,129	784	64,227	17,812	11,194	-413	875	300,841
March	135,530	2,088	1,260	68,191	834	67,241	21,827	12,902	-315	984	310,543
April	125,935	1,658	1,148	61,145	758	59,408	25,770	12,949	-272	987	289,486
May	131,673	2,053	1,156	68,129	773	65,395	29,560	11,827	-349	1,035	311,252
June	148,087	2,090	1,153	84,193	876	69,735	29,233	11,420	-226	1,038	347,599
July	158,234	2,125	1,234	101,871	966	72,949	23,385	11,150	-491	1,061	372,483
August	163,260	2,450	1,193	109,216	1,012	72,245	19,580	11,753	-613	1,064	381,161
September	137,145	1,677	1,176	92,113	1,022	65,752	17,359	10,483	-348	967	327,345
October	139,956	1,814	746	72,587	960	58,021	19,691	12,635	-385	967	306,991
November	136,810	1,316	757	63,272	909	59,069	21,008	12,775	-330	1,000	296,586
December	166,434	1,468	954	71,574	928	70,710	24,730	13,031	-383	1,015	350,461
Total	**1,755,904**	**25,974**	**12,964**	**920,797**	**10,629**	**798,855**	**273,445**	**143,824**	**-4,627**	**11,929**	**3,949,694**
2010											
January	173,505	3,171	1,130	73,558	909	72,569	22,156	13,077	-537	863	360,401
February	153,073	1,199	1,114	65,345	829	65,245	20,513	11,018	-96	764	319,004
March	144,703	1,233	1,203	62,548	997	64,635	20,626	14,823	-49	883	311,601
April	127,164	1,180	1,066	64,240	947	57,611	18,630	15,817	-303	927	287,279
May	143,686	1,851	1,140	73,427	992	66,658	24,920	14,762	-197	968	328,208
June	165,918	2,710	1,316	92,398	939	68,301	29,489	14,257	-227	999	376,100
July	179,933	3,002	1,452	114,883	950	71,913	24,136	13,145	-466	1,024	409,972
August	178,101	2,445	1,107	121,127	1,041	71,574	19,748	13,114	-533	1,036	408,761
September	148,667	1,746	1,071	92,503	973	69,371	16,915	13,190	-349	978	345,064
October	132,955	1,234	973	76,631	782	62,751	17,382	13,734	-374	987	307,054
November	135,496	1,208	842	68,332	897	62,655	19,425	15,987	-429	926	305,340
Total	**1,683,202**	**20,978**	**12,414**	**904,992**	**10,255**	**733,285**	**233,940**	**152,923**	**-3,561**	**10,355**	**3,758,784**
Year-to-Date											
2008	1,818,016	28,660	13,188	818,617	10,954	733,277	233,970	113,711	-5,790	10,887	3,775,490
2009	1,589,470	24,506	12,010	849,223	9,701	728,144	248,715	130,793	-4,244	10,914	3,599,233
2010	1,683,202	20,978	12,414	904,992	10,255	733,285	233,940	152,923	-3,561	10,355	3,758,784
Rolling 12 Months Ending in November											
2009	1,757,256	27,763	13,147	913,587	10,454	801,076	269,577	143,183	-4,742	11,831	3,943,131
2010	1,849,636	22,447	13,368	976,566	11,183	803,995	258,670	165,954	-3,945	11,370	4,109,245

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[4] Wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
[5] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
R = Revised.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed, and at plants that utilize multiple fuels, may have resulted in a reallocation of the total plant generation accross those fuels. The new methodology was retroacitvely applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.1.A. Net Generation by Other Renewables: Total (All Sectors), 1996 through November 2010
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels[1]	Geothermal	Other Biomass[2]	Total (Other Renewables)
1996	**3,234**	**521**	**36,800**	**14,329**	**20,911**	**75,796**
1997	**3,288**	**511**	**36,948**	**14,726**	**21,709**	**77,183**
1998	**3,026**	**502**	**36,338**	**14,774**	**22,448**	**77,088**
1999	**4,488**	**495**	**37,041**	**14,827**	**22,572**	**79,423**
2000	**5,593**	**493**	**37,595**	**14,093**	**23,131**	**80,906**
2001	**6,737**	**543**	**35,200**	**13,741**	**14,548**	**70,769**
2002	**10,354**	**555**	**38,665**	**14,491**	**15,044**	**79,109**
2003	**11,187**	**534**	**37,529**	**14,424**	**15,812**	**79,487**
2004	**14,144**	**575**	**38,117**	**14,811**	**15,421**	**83,067**
2005	**17,811**	**550**	**38,856**	**14,692**	**15,420**	**87,329**
2006	**26,589**	**508**	**38,762**	**14,568**	**16,099**	**96,525**
2007	**34,450**	**612**	**39,014**	**14,637**	**16,525**	**105,238**
2008						
January	4,273	16	3,338	1,209[R]	1,407	10,243[R]
February	3,852	36	3,010	1,087[R]	1,364	9,349[R]
March	4,782	75	3,123	1,251[R]	1,472	10,703[R]
April	5,225	94	2,930	1,218[R]	1,504	10,971[R]
May	5,340	99	2,927	1,259[R]	1,475	11,100[R]
June	5,140	128	3,114	1,260[R]	1,502	11,145[R]
July	4,008	111	3,327	1,279[R]	1,608	10,333[R]
August	3,264	105	3,342	1,273[R]	1,529	9,514[R]
September	3,111	93	3,059	1,234[R]	1,427	8,924[R]
October	4,756	60	3,064	1,277[R]	1,490	10,647[R]
November	4,994	29	3,077	1,233[R]	1,449	10,782[R]
December	6,616	19	2,988	1,261[R]	1,506	12,390[R]
Total	**55,363**	**864**	**37,300**	**14,840[R]**	**17,734**	**126,101[R]**
2009						
January	5,951	7	2,995	1,289	1,462	11,704
February	5,852	30	2,786	1,168	1,357	11,194
March	7,099	78	2,872	1,300	1,553	12,902
April	7,458	99	2,628	1,222	1,542	12,949
May	6,262	110	2,697	1,235	1,522	11,827
June	5,599	103	2,950	1,209	1,558	11,420
July	4,955	121	3,190	1,255	1,628	11,150
August	5,464	116	3,318	1,251	1,604	11,753
September	4,651	95	3,019	1,217	1,501	10,483
October	6,814	68	2,999	1,221	1,533	12,635
November	6,875	40	3,013	1,273	1,572	12,775
December	6,906	21	3,128	1,368	1,608	13,031
Total	**73,886**	**891**	**35,596**	**15,009**	**18,443**	**143,824**
2010						
January	6,965	10	3,248	1,373	1,482	13,077
February	5,494	34	2,958	1,217	1,315	11,018
March	8,683	81	3,170	1,332	1,557	14,823
April	9,838	124	2,998	1,262	1,596	15,817
May	8,681	175	3,010	1,334	1,562	14,762
June	7,992	196	3,198	1,294	1,577	14,257
July	6,631	182	3,419	1,304	1,610	13,145
August	6,613	173	3,403	1,319	1,606	13,114
September	7,080	146	3,173	1,263	1,527	13,190
October	7,963	75	2,954	1,224	1,518	13,734
November	9,875	67	3,124	1,333	1,588	15,987
Total	**85,814**	**1,262**	**34,656**	**14,254**	**16,937**	**152,923**
Year-to-Date						
2008	48,747	846	34,312	13,579	16,227	113,711
2009	66,980	870	32,468	13,641	16,835	130,793
2010	85,814	1,262	34,656	14,254	16,937	152,923
Rolling 12 Months Ending in November						
2009	73,596	889	35,456	14,902	18,341	143,183
2010	92,720	1,283	37,784	15,622	18,545	165,954

[1] Wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.
[2] Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).
R = Revised.
Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.2. Net Generation by Energy Source: Electric Utilities, 1996 through November 2010
(Thousand Megawatthours)

Period	Coal[1]	Petroleum Liquids[2]	Petroleum Coke	Natural Gas	Other Gases[3]	Nuclear	Hydroelectric Conventional	Other Renewables[4]	Hydroelectric Pumped Storage	Other[5]	Total
1996	**1,737,453**	**65,695**	**1,651**	**262,730**	**--**	**674,729**	**331,058**	**7,214**	**-3,088**	**--**	**3,077,442**
1997	**1,787,806**	**74,372**	**3,381**	**283,625**	**--**	**628,644**	**341,273**	**7,462**	**-4,040**	**--**	**3,122,523**
1998	**1,807,480**	**105,440**	**4,718**	**309,222**	**--**	**673,702**	**308,844**	**7,206**	**-4,441**	**--**	**3,212,171**
1999	**1,767,679**	**82,981**	**3,948**	**296,381**	**--**	**725,036**	**299,914**	**3,716**	**-5,982**	**--**	**3,173,674**
2000	**1,696,619**	**69,653**	**2,527**	**290,715**	**--**	**705,433**	**253,155**	**2,241**	**-4,960**	**--**	**3,015,383**
2001	**1,560,146**	**74,729**	**4,179**	**264,434**	**--**	**534,207**	**197,804**	**1,666**	**-7,704**	**486**	**2,629,946**
2002	**1,514,670**	**52,838**	**6,286**	**229,639**	**206**	**507,380**	**242,302**	**3,089**	**-7,434**	**480**	**2,549,457**
2003	**1,500,281**	**62,774**	**7,156**	**186,967**	**243**	**458,829**	**249,622**	**3,421**	**-7,532**	**519**	**2,462,281**
2004	**1,513,641**	**62,196**	**11,498**	**199,662**	**374**	**475,682**	**245,546**	**3,692**	**-7,526**	**467**	**2,505,231**
2005	**1,484,855**	**58,572**	**11,150**	**238,204**	**10**	**436,296**	**245,553**	**4,945**	**-5,383**	**643**	**2,474,846**
2006	**1,471,421**	**31,269**	**9,634**	**282,088**	**30**	**425,341**	**261,864**	**6,588**	**-5,281**	**700**	**2,483,656**
2007	**1,490,985**	**33,325**	**7,395**	**313,785**	**141**	**427,555**	**226,734**	**8,953**	**-5,328**	**586**	**2,504,131**
2008											
January	135,056	1,791	553	25,795	5	38,151	18,537	921	-625	43	220,229
February	122,102	1,508	528	21,341	3	34,653	16,686	834	-338	50	197,368
March	116,666	1,375	455	22,735	3	33,988	19,219	929	-446	35	194,959
April	109,271	1,706	417	22,009	2	31,410	19,757	1,000	-197	40	185,415
May	118,040	1,801	350	23,657	4	32,746	24,659	981	-480	52	201,811
June	127,013	2,615	493	31,033	2	37,034	26,958	1,029	-459	57	225,775
July	138,047	2,040	495	34,865	5	40,097	23,345	905	-474	58	239,383
August	133,939	1,953	558	36,158	3	38,454	19,142	828	-524	53	230,563
September	119,537	2,297	482	29,288	3	34,936	14,697	767	-413	38	201,631
October	110,416	1,485	599	27,163	5	32,658	14,062	909	-400	34	186,930
November	112,970	1,598	526	22,670	4	31,811	13,999	967	-390	37	184,192
December	123,338	2,036	464	23,477	6	38,318	18,585	1,236	-397	49	207,111
Total	**1,466,395**	**22,206**	**5,918**	**320,190**	**46**	**424,256**	**229,645**	**11,308**	**-5,143**	**545**	**2,475,367**
2009											
January	127,120	2,478	689	24,215	5	39,454	21,395	1,226	-408	42	216,218
February	104,124	1,428	598	23,155	4	33,754	15,938	1,133	-308	31	179,859
March	100,800	1,302	797	26,547	7	34,856	19,416	1,424	-230	44	184,963
April	93,785	1,232	706	22,948	7	31,064	23,209	1,303	-172	47	174,130
May	99,462	1,635	711	26,181	8	33,796	26,842	1,258	-245	46	189,695
June	113,625	1,673	663	33,129	8	36,633	26,688	1,157	-139	44	213,482
July	119,897	1,679	661	38,571	9	39,076	20,998	985	-372	42	221,545
August	123,280	1,812	665	40,382	9	38,084	17,473	1,167	-463	42	222,452
September	105,887	1,328	629	35,179	10	34,002	15,917	975	-247	39	193,720
October	105,590	1,455	302	27,570	7	30,109	17,915	1,309	-271	32	184,019
November	104,003	979	295	24,404	9	29,344	19,056	1,385	-235	38	179,276
December	124,517	1,034	466	26,885	12	37,103	22,350	1,294	-279	35	213,417
Total	**1,322,092**	**18,035**	**7,182**	**349,166**	**96**	**417,275**	**247,198**	**14,617**	**-3,369**	**483**	**2,372,776**
2010											
January	129,446	2,406	739	28,276	8	39,345	19,912	1,299	-399	27	221,058
February	113,976	873	696	24,992	7	34,945	18,438	1,045	9	22	195,004
March	107,831	993	816	24,463	8	33,460	18,319	1,458	43	15	187,407
April	95,976	902	674	24,409	7	30,946	16,573	1,681	-213	18	170,973
May	108,730	1,439	689	29,660	9	34,506	22,694	1,508	-314	32	198,954
June	124,557	2,155	837	36,143	8	35,835	27,363	1,334	-341	32	227,924
July	134,376	2,001	911	44,302	7	38,536	22,305	1,226	-417	29	243,277
August	132,934	1,798	758	47,047	7	38,021	18,131	1,317	-476	33	239,569
September	110,830	1,281	803	35,635	4	37,188	15,568	1,335	-281	26	202,389
October	97,855	901	648	30,469	3	31,226	15,668	1,447	-297	36	177,956
November	100,104	841	513	26,177	3	32,112	17,698	1,688	-359	34	178,811
Total	**1,256,616**	**15,591**	**8,086**	**351,573**	**69**	**386,121**	**212,671**	**15,337**	**-3,045**	**303**	**2,243,322**
Year-to-Date											
2008	1,343,058	20,170	5,455	296,713	40	385,938	211,060	10,072	-4,746	497	2,268,256
2009	1,197,575	17,001	6,716	322,281	84	380,173	224,848	13,323	-3,090	448	2,159,359
2010	1,256,616	15,591	8,086	351,573	69	386,121	212,671	15,337	-3,045	303	2,243,322
Rolling 12 Months Ending in November											
2009	1,320,912	19,037	7,180	345,758	90	418,491	243,433	14,559	-3,487	497	2,366,470
2010	1,381,133	16,625	8,552	378,458	82	423,223	235,020	16,631	-3,324	338	2,456,739

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[4] Wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
[5] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Other energy sources include batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.3. Net Generation by Energy Source: Independent Power Producers, 1996 through November 2010
(Thousand Megawatthours)

Period	Coal[1]	Petroleum Liquids[2]	Petroleum Coke	Natural Gas	Other Gases[3]	Nuclear	Hydroelectric Conventional	Other Renewables[4]	Hydroelectric Pumped Storage	Other[5]	Total
1996	**34,520**	**2,851**	**4,586**	**116,028**	**1,341**	**--**	**10,101**	**37,072**	**--**	**201**	**206,699**
1997	**32,955**	**3,976**	**4,751**	**115,971**	**1,533**	**--**	**9,375**	**38,228**	**--**	**63**	**206,852**
1998	**42,713**	**6,525**	**5,528**	**140,070**	**2,315**	**--**	**9,023**	**38,937**	**-26**	**159**	**245,245**
1999	**90,938**	**19,635**	**4,975**	**176,615**	**1,607**	**3,218**	**14,749**	**44,548**	**-115**	**139**	**356,309**
2000	**246,492**	**27,929**	**5,083**	**227,263**	**2,028**	**48,460**	**18,183**	**47,162**	**-579**	**125**	**622,146**
2001	**322,681**	**35,532**	**4,709**	**290,506**	**586**	**234,619**	**15,945**	**40,593**	**-1,119**	**6,055**	**950,107**
2002	**395,943**	**22,241**	**8,368**	**378,044**	**1,763**	**272,684**	**18,189**	**44,466**	**-1,309**	**8,612**	**1,149,001**
2003	**452,433**	**35,818**	**7,949**	**380,337**	**2,404**	**304,904**	**21,890**	**46,060**	**-1,003**	**8,088**	**1,258,879**
2004	**443,547**	**33,574**	**7,410**	**427,510**	**3,194**	**312,846**	**19,518**	**48,636**	**-962**	**7,856**	**1,303,129**
2005	**507,199**	**37,096**	**9,664**	**445,625**	**3,767**	**345,690**	**21,486**	**51,708**	**-1,174**	**6,285**	**1,427,346**
2006	**498,316**	**10,396**	**8,409**	**452,329**	**4,223**	**361,877**	**24,390**	**59,345**	**-1,277**	**6,412**	**1,424,421**
2007	**507,406**	**13,645**	**6,942**	**500,967**	**3,901**	**378,869**	**19,109**	**65,751**	**-1,569**	**6,191**	**1,501,212**
2008											
January	46,281	1,130	671	39,401	288	32,583	2,074	6,766[R]	-121	534[R]	129,607
February	43,241	759	582	32,119	244	30,477	1,941	6,181[R]	-113	494[R]	115,924
March	42,617	574	452	32,765	271	30,728	2,266	7,348[R]	-107	536[R]	117,451
April	36,315	443	575	34,757	278	25,923	2,294	7,593[R]	65	544[R]	108,787
May	35,432	427	576	32,008	308	32,080	2,387	7,752[R]	-107	541[R]	111,405
June	42,587	969	599	46,652	323	33,285	2,086	7,692[R]	88	557[R]	134,837
July	47,161	826	543	57,669	337	34,221	2,084	6,865[R]	-325	553[R]	149,935
August	45,143	490	553	55,867	313	34,163	1,969	6,121[R]	-124	552[R]	145,049
September	40,396	550	559	43,983	190	32,118	1,383	5,811[R]	-104	504[R]	125,390
October	40,048	356	591	39,461	216	30,163	1,310	7,272[R]	-97	520[R]	119,839
November	40,046	483	497	32,811	168	31,597	1,547	7,453[R]	-99	526[R]	115,030
December	43,175	1,012	539	34,689	218	34,613	2,111	8,921[R]	-101	553[R]	125,728
Total	**502,442**	**8,021**	**6,737**	**482,182**	**3,154**	**381,952**	**23,451**	**85,776[R]**	**-1,145**	**6,414[R]**	**1,498,982**
2009											
January	43,505	2,242	327	35,751	214	34,648	1,922	8,266	-94	514	127,296
February	35,619	646	327	33,005	208	30,473	1,724	7,998	-105	464	110,358
March	33,514	624	354	35,285	232	32,385	2,208	9,259	-85	514	114,289
April	31,018	280	340	32,344	224	28,344	2,361	9,531	-100	514	104,857
May	31,064	281	338	35,933	226	31,599	2,522	8,422	-104	509	110,790
June	33,220	282	376	44,451	245	33,101	2,368	8,040	-87	523	122,518
July	37,046	342	430	55,900	279	33,873	2,245	7,741	-119	545	138,282
August	38,636	527	388	61,236	269	34,161	1,970	8,081	-150	552	145,670
September	30,063	245	405	49,754	288	31,749	1,346	7,180	-101	506	121,434
October	33,077	271	312	38,273	272	27,912	1,637	8,933	-114	490	111,065
November	31,641	247	326	32,326	246	29,725	1,809	9,015	-94	490	105,731
December	40,629	323	367	37,475	254	33,608	2,198	9,393	-105	529	124,672
Total	**419,031**	**6,311**	**4,288**	**491,734**	**2,959**	**381,579**	**24,308**	**101,860**	**-1,259**	**6,149**	**1,436,961**
2010											
January	42,365	640	268	38,078	262	33,224	2,064	9,365	-138	512	126,642
February	37,511	247	295	33,961	235	30,300	1,899	7,776	-105	459	112,579
March	35,157	181	274	31,253	254	31,174	2,117	10,936	-93	525	111,777
April	29,924	222	269	33,395	252	26,666	1,876	11,750	-91	552	104,815
May	33,349	328	323	37,105	256	32,152	2,044	10,894	117	573	117,142
June	39,678	452	338	49,121	244	32,466	1,972	10,483	113	576	135,443
July	43,727	893	404	63,104	248	33,377	1,719	9,356	-49	592	153,371
August	43,266	562	217	66,530	226	33,553	1,521	9,271	-57	592	155,680
September	36,260	387	153	49,633	221	32,183	1,271	9,412	-68	573	130,024
October	33,506	251	230	39,672	155	31,525	1,604	9,960	-77	559	117,384
November	34,061	303	228	35,508	215	30,543	1,604	11,900	-70	566	114,859
Total	**408,804**	**4,467**	**2,999**	**477,360**	**2,566**	**347,164**	**19,691**	**111,102**	**-516**	**6,079**	**1,379,716**
Year-to-Date											
2008	459,268	7,009	6,198	447,492	2,936	347,339	21,340	76,855	-1,044	5,861	1,373,254
2009	378,402	5,987	3,921	454,259	2,704	347,972	22,110	92,467	-1,154	5,620	1,312,289
2010	408,804	4,467	2,999	477,360	2,566	347,164	19,691	111,102	-516	6,079	1,379,716
Rolling 12 Months Ending in November											
2009	421,577	6,999	4,460	488,948	2,922	382,585	24,221	101,388	-1,255	6,173	1,438,017
2010	449,433	4,790	3,366	514,835	2,820	380,772	21,889	120,495	-621	6,608	1,504,387

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[4] Wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
[5] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
R = Revised.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.4. Net Generation by Energy Source: Commercial Combined Heat and Power Sector, 1996 through November 2010

(Thousand Megawatthours)

Period	Coal[1]	Petroleum Liquids[2]	Petroleum Coke	Natural Gas	Other Gases[3]	Nuclear	Hydroelectric Conventional	Other Renewables[4]	Hydroelectric Pumped Storage	Other[5]	Total
1996	**1,051**	**366**	**2**	**5,249**	*****	**--**	**126**	**2,235**	**--**	*****	**9,030**
1997	**1,040**	**424**	**3**	**4,725**	**3**	**--**	**120**	**2,385**	**--**	*****	**8,701**
1998	**985**	**380**	**3**	**4,879**	**7**	**--**	**120**	**2,373**	**--**	**--**	**8,748**
1999	**995**	**431**	**3**	**4,607**	*****	**--**	**115**	**2,412**	**--**	*****	**8,563**
2000	**1,097**	**429**	**3**	**4,262**	*****	**--**	**100**	**2,012**	**--**	*****	**7,903**
2001	**995**	**434**	**4**	**4,434**	*****	**--**	**66**	**1,025**	**--**	**457**	**7,416**
2002	**992**	**426**	**6**	**4,310**	*****	**--**	**13**	**1,065**	**--**	**603**	**7,415**
2003	**1,206**	**416**	**8**	**3,899**	**--**	**--**	**72**	**1,302**	**--**	**594**	**7,496**
2004	**1,340**	**493**	**7**	**3,969**	**--**	**--**	**105**	**1,575**	**--**	**781**	**8,270**
2005	**1,353**	**368**	**7**	**4,249**	**--**	**--**	**86**	**1,673**	**--**	**756**	**8,492**
2006	**1,310**	**228**	**7**	**4,355**	*****	**--**	**93**	**1,619**	**--**	**758**	**8,371**
2007	**1,371**	**180**	**9**	**4,257**	**--**	**--**	**77**	**1,614**	**--**	**764**	**8,273**
2008											
January	117	19	1	395	--	--	5	119	--	52	709
February	107	14	1	346	--	--	5	115	--	49	636
March	79	8	1	352	--	--	10	119	--	49	619
April	88	8	1	307	--	--	10	136	--	64	614
May	96	8	--	292	--	--	6	138	--	70	609
June	116	12	--	330	--	--	6	140	--	70	675
July	122	17	--	384	--	--	5	135	--	64	728
August	117	9	--	390	--	--	1	134	--	64	715
September	106	7	*	366	--	--	2	131	--	63	675
October	101	7	1	344	--	--	3	128	--	57	642
November	99	10	1	320	--	--	3	130	--	59	623
December	112	17	1	360	--	--	6	129	--	57	681
Total	**1,261**	**136**	**6**	**4,188**	**--**	**--**	**60**	**1,555**	**--**	**720**	**7,926**
2009											
January	105	43	1	362	--	--	9	133	--	64	717
February	92	19	1	333	--	--	6	122	--	54	627
March	86	11	1	344	--	--	10	148	--	68	668
April	74	11	--	324	--	--	9	147	--	69	633
May	76	9	--	310	--	--	9	156	--	79	640
June	82	5	--	345	--	--	9	156	--	77	675
July	96	8	--	394	--	--	2	157	--	75	733
August	109	12	1	414	--	--	1	155	--	77	769
September	89	8	1	374	--	--	1	149	--	70	693
October	85	8	--	346	--	--	3	148	--	70	659
November	94	10	1	311	--	--	6	153	--	73	648
December	107	12	1	367	--	--	7	144	--	65	703
Total	**1,096**	**157**	**5**	**4,225**	**--**	**--**	**71**	**1,769**	**--**	**842**	**8,165**
2010											
January	119	10	1	365	--	--	7	143	--	66	711
February	105	8	1	324	--	--	7	116	--	52	612
March	88	8	1	340	--	--	8	136	--	63	645
April	79	8	1	331	--	--	11	155	--	71	656
May	84	13	--	332	--	--	13	155	--	73	670
June	92	15	--	366	--	--	12	153	--	74	712
July	98	18	--	427	--	--	6	149	--	69	767
August	96	14	1	440	--	--	2	157	--	74	783
September	84	11	1	398	--	--	3	153	--	74	724
October	79	9	1	372	--	--	4	149	--	70	684
November	65	6	1	380	--	--	7	138	--	60	656
Total	**991**	**120**	**6**	**4,075**	**--**	**--**	**81**	**1,603**	**--**	**746**	**7,621**
Year-to-Date											
2008	1,149	119	5	3,828	--	--	54	1,426	--	663	7,245
2009	989	145	4	3,858	--	--	64	1,624	--	777	7,461
2010	991	120	6	4,075	--	--	81	1,603	--	746	7,621
Rolling 12 Months Ending in November											
2009	1,101	162	5	4,218	--	--	70	1,753	--	834	8,142
2010	1,097	132	7	4,442	--	--	87	1,748	--	811	8,325

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[4] Wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
[5] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.5. Net Generation by Energy Source: Industrial Combined Heat and Power Sector, 1996 through November 2010

(Thousand Megawatthours)

Period	Coal[1]	Petroleum Liquids[2]	Petroleum Coke	Natural Gas	Other Gases[3]	Nuclear	Hydroelectric Conventional	Other Renewables[4]	Hydroelectric Pumped Storage	Other[5]	Total
1996	**22,172**	**4,608**	**1,652**	**71,049**	**13,015**	**--**	**5,878**	**29,274**	**--**	**3,370**	**151,017**
1997	**23,214**	**4,001**	**1,648**	**75,078**	**11,814**	**--**	**5,685**	**29,107**	**--**	**3,549**	**154,097**
1998	**22,337**	**4,514**	**1,692**	**77,085**	**11,170**	**--**	**5,349**	**28,572**	**--**	**3,412**	**154,132**
1999	**21,474**	**4,229**	**1,860**	**78,793**	**12,519**	**--**	**4,758**	**28,747**	**--**	**3,885**	**156,264**
2000	**22,056**	**4,149**	**1,448**	**78,798**	**11,927**	**--**	**4,135**	**29,491**	**--**	**4,669**	**156,673**
2001	**20,135**	**3,952**	**1,341**	**79,755**	**8,454**	**--**	**3,145**	**27,485**	**--**	**4,908**	**149,175**
2002	**21,525**	**3,196**	**1,207**	**79,013**	**9,493**	**--**	**3,825**	**30,489**	**--**	**3,832**	**152,580**
2003	**19,817**	**3,726**	**1,559**	**78,705**	**12,953**	**--**	**4,222**	**28,704**	**--**	**4,843**	**154,530**
2004	**19,773**	**4,128**	**1,839**	**78,959**	**11,684**	**--**	**3,248**	**29,164**	**--**	**5,129**	**153,925**
2005	**19,466**	**3,804**	**1,564**	**72,882**	**9,687**	**--**	**3,195**	**29,003**	**--**	**5,137**	**144,739**
2006	**19,464**	**2,567**	**1,656**	**77,669**	**9,923**	**--**	**2,899**	**28,972**	**--**	**5,103**	**148,254**
2007	**16,694**	**2,355**	**1,889**	**77,580**	**9,411**	**--**	**1,590**	**28,919**	**--**	**4,690**	**143,128**
2008											
January	1,422	191	141	7,008	770	--	163	2,437	--	321	12,453
February	1,217	157	121	6,236	725	--	158	2,218	--	346	11,178
March	1,380	155	132	6,319	775	--	174	2,307	--	359	11,601
April	1,308	117	133	5,974	741	--	174	2,241	--	360	11,049
May	1,347	106	129	6,314	732	--	170	2,229	--	394	11,420
June	1,327	111	163	6,605	807	--	128	2,283	--	398	11,822
July	1,403	99	136	7,402	832	--	122	2,428	--	433	12,855
August	1,378	95	153	7,258	831	--	117	2,430	--	397	12,660
September	1,317	136	140	5,500	630	--	96	2,215	--	327	10,360
October	1,276	96	152	6,315	585	--	95	2,337	--	280	11,137
November	1,166	99	130	5,653	549	--	119	2,233	--	253	10,201
December	1,161	192	134	5,838	529	--	160	2,105	--	259	10,378
Total	**15,703**	**1,555**	**1,664**	**76,421**	**8,507**	**--**	**1,676**	**27,462**	**--**	**4,125**	**137,113**
2009											
January	1,194	204	119	6,051	587	--	165	2,079	--	316	10,716
February	1,081	174	125	5,635	571	--	144	1,941	--	325	9,997
March	1,130	151	109	6,015	595	--	193	2,071	--	358	10,623
April	1,058	135	103	5,528	527	--	191	1,968	--	357	9,867
May	1,070	128	107	5,704	539	--	187	1,991	--	401	10,127
June	1,160	130	114	6,268	623	--	169	2,066	--	394	10,924
July	1,195	96	143	7,006	678	--	140	2,268	--	400	11,924
August	1,235	99	140	7,183	734	--	136	2,350	--	393	12,270
September	1,105	96	142	6,805	725	--	95	2,179	--	352	11,498
October	1,204	80	132	6,397	680	--	136	2,245	--	374	11,247
November	1,072	79	136	6,231	655	--	137	2,222	--	399	10,931
December	1,181	99	120	6,847	662	--	175	2,199	--	386	11,669
Total	**13,686**	**1,471**	**1,489**	**75,672**	**7,574**	**--**	**1,868**	**25,578**	**--**	**4,455**	**131,793**
2010											
January	1,574	115	122	6,839	640	--	173	2,269	--	257	11,990
February	1,481	71	122	6,068	587	--	168	2,081	--	231	10,809
March	1,627	51	112	6,491	735	--	182	2,293	--	280	11,772
April	1,184	48	122	6,105	688	--	169	2,232	--	286	10,834
May	1,523	70	129	6,330	727	--	169	2,205	--	290	11,442
June	1,591	88	141	6,768	687	--	141	2,288	--	318	12,021
July	1,732	90	137	7,050	696	--	106	2,414	--	334	12,558
August	1,804	72	132	7,110	808	--	94	2,371	--	337	12,728
September	1,493	67	114	6,836	748	--	72	2,290	--	306	11,927
October	1,515	73	93	6,118	624	--	106	2,179	--	321	11,030
November	1,266	57	99	6,268	680	--	117	2,261	--	266	11,014
Total	**16,791**	**801**	**1,324**	**71,984**	**7,620**	**--**	**1,498**	**24,881**	**--**	**3,226**	**128,125**
Year-to-Date											
2008	14,541	1,363	1,530	70,584	7,978	--	1,516	25,358	--	3,866	126,735
2009	12,504	1,372	1,369	68,825	6,913	--	1,693	23,379	--	4,069	120,124
2010	16,791	801	1,324	71,984	7,620	--	1,498	24,881	--	3,226	128,125
Rolling 12 Months Ending in November											
2009	13,666	1,565	1,503	74,663	7,442	--	1,853	25,483	--	4,328	130,502
2010	17,972	900	1,444	78,831	8,281	--	1,673	27,080	--	3,612	139,794

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[4] Wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
[5] Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.6.A. Net Generation by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**10,237**	**9,155**	**11.8**	**343**	**287**	**9,357**	**8,341**	**71**	**68**	**466**	**458**
Connecticut	2,950	2,193	34.5	NM	3	2,915	2,160	NM	4	NM	25
Maine	1,303	1,380	-5.6	NM	*	873	950	17	16	413	414
Massachusetts	2,992	3,208	-6.7	97	37	2,831	3,115	43	41	NM	15
New Hampshire	2,026	1,172	72.8	187	201	1,834	966	NM	3	NM	3
Rhode Island	454	630	-28.0	1	*	448	626	NM	4	--	--
Vermont	513	571	-10.2	54	45	457	524	--	--	NM	2
Middle Atlantic	**34,383**	**32,159**	**6.9**	**2,840**	**2,817**	**31,055**	**28,899**	**114**	**86**	**374**	**357**
New Jersey	4,486	4,715	-4.9	-6	-12	4,400	4,642	31	28	61	57
New York	10,695	10,265	4.2	2,760	2,739	7,792	7,420	58	35	85	71
Pennsylvania	19,202	17,179	11.8	87	90	18,863	16,837	25	23	227	229
East North Central	**49,478**	**48,444**	**2.1**	**25,428**	**26,849**	**23,161**	**20,731**	**99**	**117**	**790**	**746**
Illinois	16,303	15,670	4.0	982	982	15,080	14,489	40	33	200	165
Indiana	9,726	8,447	15.1	8,288	7,317	1,162	877	16	14	261	239
Michigan	7,435	7,957	-6.6	5,825	6,521	1,488	1,289	27	56	95	91
Ohio	11,251	11,535	-2.5	7,107	8,377	4,077	3,080	--	--	66	79
Wisconsin	4,763	4,835	-1.5	3,226	3,652	1,353	996	NM	14	168	173
West North Central	**25,657**	**24,933**	**2.9**	**23,218**	**22,629**	**2,100**	**1,978**	**38**	**36**	**301**	**290**
Iowa	4,516	4,267	5.8	3,804	3,297	544	836	17	19	152	114
Kansas	3,499	3,468	.9	3,213	3,243	286	225	--	--	--	--
Minnesota	3,897	4,018	-3.0	3,115	3,375	652	487	NM	8	121	147
Missouri	7,149	6,923	3.3	6,989	6,831	141	77	11	7	NM	8
Nebraska	2,712	2,660	1.9	2,687	2,635	20	20	NM	1	NM	4
North Dakota	2,895	3,093	-6.4	2,508	2,785	370	292	NM	*	18	16
South Dakota	989	503	96.4	902	462	87	41	NM	*	--	--
South Atlantic	**53,717**	**53,805**	**-.2**	**44,740**	**46,162**	**7,599**	**6,200**	**51**	**43**	**1,327**	**1,400**
Delaware	269	255	5.4	NM	1	268	248	--	--	NM	6
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	15,771	15,656	.7	14,321	14,314	1,053	930	NM	5	390	407
Georgia	9,249	9,352	-1.1	8,139	8,370	705	574	NM	2	403	407
Maryland	2,886	2,771	4.2	*	*	2,846	2,738	NM	2	36	31
North Carolina	8,873	9,510	-6.7	8,404	9,193	326	175	6	8	137	134
South Carolina	7,283	6,757	7.8	7,056	6,548	77	60	NM	3	150	147
Virginia	4,479	4,496	-.4	3,521	4,001	771	281	33	22	155	191
West Virginia	4,907	5,007	-2.0	3,298	3,735	1,553	1,195	--	--	56	77
East South Central	**27,341**	**27,363**	**-.1**	**23,930**	**24,564**	**2,627**	**2,055**	**NM**	**7**	**772**	**737**
Alabama	10,464	11,420	-8.4	8,427	9,884	1,664	1,158	--	--	373	378
Kentucky	7,293	6,637	9.9	7,255	6,616	NM	6	--	--	38	14
Mississippi	3,746	3,501	7.0	2,623	2,452	955	884	NM	2	165	163
Tennessee	5,839	5,805	.6	5,626	5,611	7	7	NM	5	195	182
West South Central	**45,830**	**43,081**	**6.4**	**17,900**	**16,743**	**22,396**	**21,069**	**44**	**39**	**5,491**	**5,231**
Arkansas	4,247	4,246	.0	3,327	3,828	754	258	NM	*	166	160
Louisiana	7,738	6,575	17.7	3,850	2,711	1,699	1,607	NM	3	2,185	2,253
Oklahoma	4,636	4,849	-4.4	3,834	3,955	729	832	NM	1	71	60
Texas	29,209	27,411	6.6	6,889	6,249	19,214	18,371	37	34	3,069	2,757
Mountain	**28,505**	**28,878**	**-1.3**	**22,414**	**22,638**	**5,890**	**6,017**	**NM**	**10**	**191**	**213**
Arizona	8,708	7,760	12.2	7,323	6,386	1,358	1,347	NM	4	NM	22
Colorado	4,150	3,936	5.4	3,322	3,055	824	878	*	*	NM	3
Idaho	827	623	32.8	545	395	237	175	--	--	45	53
Montana	2,424	2,485	-2.5	446	414	1,969	2,061	--	--	9	11
Nevada	2,412	2,950	-18.2	1,736	2,033	671	901	--	--	NM	15
New Mexico	3,073	3,307	-7.1	2,657	2,906	411	396	NM	5	NM	*
Utah	2,662	3,494	-23.8	2,511	3,381	122	82	--	*	30	31
Wyoming	4,250	4,323	-1.7	3,875	4,067	299	177	--	--	76	78
Pacific Contiguous	**28,755**	**27,217**	**5.7**	**16,964**	**15,483**	**10,331**	**10,076**	**180**	**192**	**1,281**	**1,466**
California	15,515	14,812	4.7	6,357	5,226	7,864	8,115	173	187	1,120	1,283
Oregon	4,854	4,778	1.6	3,598	3,482	1,198	1,215	NM	1	56	80
Washington	8,387	7,628	10.0	7,008	6,775	1,269	746	5	4	105	103
Pacific Noncontiguous	**1,436**	**1,553**	**-7.5**	**1,034**	**1,106**	**343**	**365**	**37**	**50**	**21**	**32**
Alaska	566	637	-11.1	521	586	18	18	18	23	NM	10
Hawaii	870	916	-5.0	513	519	325	347	19	27	NM	22
U.S. Total	**305,340**	**296,586**	**3.0**	**178,811**	**179,276**	**114,859**	**105,731**	**656**	**648**	**11,014**	**10,931**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.6.B. Net Generation by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**118,204**	**110,990**	**6.5**	**4,975**	**4,485**	**107,485**	**100,962**	**748**	**763**	**4,996**	**4,780**
Connecticut	30,388	28,569	6.4	38	43	30,041	28,236	NM	42	269	249
Maine	15,323	14,803	3.5	NM	1	10,678	10,331	178	170	4,467	4,300
Massachusetts	39,460	35,485	11.2	755	396	38,041	34,433	456	478	209	178
New Hampshire	20,069	18,532	8.3	3,537	3,391	16,481	15,085	20	25	NM	31
Rhode Island	7,063	6,971	1.3	9	10	7,000	6,913	NM	48	--	--
Vermont	5,900	6,631	-11.0	636	644	5,244	5,964	--	--	NM	23
Middle Atlantic	**393,757**	**377,929**	**4.2**	**32,605**	**33,519**	**355,717**	**339,142**	**1,244**	**1,078**	**4,191**	**4,190**
New Jersey	59,901	56,153	6.7	-125	-172	59,029	55,322	350	351	647	652
New York	124,772	121,553	2.6	31,797	32,672	91,368	87,345	653	506	954	1,030
Pennsylvania	209,084	200,223	4.4	934	1,019	205,320	196,475	241	221	2,590	2,508
East North Central	**588,541**	**551,041**	**6.8**	**319,253**	**300,463**	**259,298**	**240,916**	**1,262**	**1,300**	**8,728**	**8,363**
Illinois	183,232	175,817	4.2	11,432	9,502	169,285	163,746	399	397	2,115	2,172
Indiana	112,399	105,238	6.8	97,771	93,619	11,634	9,022	172	174	2,822	2,423
Michigan	103,348	91,811	12.6	83,569	74,809	18,109	15,375	510	561	1,159	1,066
Ohio	130,857	124,101	5.4	85,108	85,418	45,059	37,869	--	--	691	814
Wisconsin	58,705	54,075	8.6	41,373	37,116	15,210	14,904	181	168	1,941	1,888
West North Central	**302,946**	**285,964**	**5.9**	**276,126**	**262,828**	**23,131**	**19,901**	**453**	**440**	**3,236**	**2,794**
Iowa	52,264	46,814	11.6	42,312	37,665	8,228	7,751	211	212	1,513	1,187
Kansas	44,619	42,235	5.6	42,168	40,244	2,452	1,991	--	--	--	--
Minnesota	48,922	47,415	3.2	41,073	40,120	6,358	5,891	115	119	1,376	1,284
Missouri	83,671	80,156	4.4	81,656	78,599	1,795	1,351	114	96	106	110
Nebraska	32,515	30,824	5.5	32,279	30,619	184	154	13	13	39	38
North Dakota	31,641	31,057	1.9	28,093	28,488	3,346	2,395	NM	*	203	174
South Dakota	9,314	7,461	24.8	8,546	7,093	768	368	NM	*	--	--
South Atlantic	**729,524**	**687,779**	**6.1**	**603,758**	**575,657**	**109,755**	**96,078**	**527**	**511**	**15,484**	**15,534**
Delaware	5,425	4,296	26.3	NM	11	5,396	3,825	--	--	NM	459
District of Columbia	194	35	454.2	--	--	194	35	--	--	--	--
Florida	208,404	201,645	3.4	187,651	180,185	15,908	16,984	65	59	4,780	4,416
Georgia	126,057	117,281	7.5	110,573	104,710	11,026	8,475	22	21	4,436	4,075
Maryland	39,352	39,384	-.1	4	2	38,883	38,942	45	29	420	411
North Carolina	116,211	106,843	8.8	109,686	101,867	4,913	3,236	64	54	1,547	1,686
South Carolina	94,358	91,253	3.4	91,035	88,643	1,737	1,021	NM	39	1,583	1,549
Virginia	66,195	63,597	4.1	53,456	53,807	10,544	7,391	329	308	1,866	2,090
West Virginia	73,328	63,446	15.6	51,331	46,431	21,154	16,168	--	--	843	847
East South Central	**352,654**	**329,886**	**6.9**	**306,810**	**291,768**	**37,277**	**29,862**	**130**	**124**	**8,438**	**8,132**
Alabama	138,751	130,551	6.3	112,149	107,675	22,551	18,701	--	--	4,051	4,175
Kentucky	88,907	82,323	8.0	88,236	81,795	156	105	--	--	514	423
Mississippi	49,777	44,637	11.5	33,542	32,001	14,506	10,984	NM	22	1,707	1,630
Tennessee	75,219	72,376	3.9	72,882	70,297	64	72	107	102	2,166	1,904
West South Central	**593,400**	**568,096**	**4.5**	**230,508**	**216,283**	**298,246**	**294,481**	**536**	**506**	**64,109**	**56,827**
Arkansas	55,364	52,716	5.0	43,143	41,277	10,452	9,713	NM	2	1,766	1,724
Louisiana	93,857	82,922	13.2	47,662	39,945	20,719	19,600	41	41	25,435	23,336
Oklahoma	66,939	68,830	-2.7	52,705	52,554	13,317	15,541	33	28	885	707
Texas	377,240	363,628	3.7	86,999	82,507	253,757	249,627	460	435	36,024	31,059
Mountain	**335,746**	**336,891**	**-.3**	**259,737**	**262,663**	**72,671**	**70,987**	**138**	**138**	**3,200**	**3,103**
Arizona	102,615	102,848	-.2	83,145	81,973	19,102	20,590	66	68	301	217
Colorado	47,104	45,759	2.9	36,514	33,948	10,539	11,762	4	3	48	46
Idaho	11,167	12,289	-9.1	8,047	9,465	2,643	2,277	--	--	476	547
Montana	27,234	23,949	13.7	5,612	5,632	21,521	18,223	--	--	100	94
Nevada	32,612	34,531	-5.6	21,933	23,970	10,423	10,371	--	--	256	189
New Mexico	33,081	36,216	-8.7	28,092	31,229	4,885	4,922	62	65	40	*
Utah	38,830	39,598	-1.9	36,256	37,228	1,405	1,184	NM	2	1,163	1,183
Wyoming	43,103	41,703	3.4	40,137	39,218	2,152	1,659	--	--	815	826
Pacific Contiguous	**328,359**	**334,541**	**-1.8**	**198,287**	**200,196**	**112,462**	**116,162**	**2,102**	**2,113**	**15,509**	**16,070**
California	185,769	188,128	-1.3	82,803	78,960	87,235	92,892	2,025	2,042	13,706	14,233
Oregon	49,894	51,442	-3.0	36,979	38,682	12,242	11,864	18	17	655	880
Washington	92,696	94,971	-2.4	78,505	82,554	12,984	11,406	60	53	1,147	957
Pacific Noncontiguous	**15,653**	**16,115**	**-2.9**	**11,262**	**11,498**	**3,675**	**3,797**	**481**	**489**	**235**	**332**
Alaska	6,115	5,999	1.9	5,613	5,515	208	191	200	194	95	98
Hawaii	9,538	10,116	-5.7	5,649	5,982	3,467	3,606	282	295	140	233
U.S. Total	**3,758,784**	**3,599,233**	**4.4**	**2,243,322**	**2,159,359**	**1,379,716**	**1,312,289**	**7,621**	**7,461**	**128,125**	**120,124**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.7.A. Net Generation from Coal by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**600**	**932**	**-35.6**	**89**	**104**	**509**	**826**	**--**	**--**	**NM**	**2**
Connecticut	102	152	-32.8	--	--	102	152	--	--	--	--
Maine	8	6	29.2	--	--	7	5	--	--	1	1
Massachusetts	402	671	-40.1	--	--	400	669	--	--	NM	2
New Hampshire	89	104	-14.6	89	104	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**9,534**	**9,338**	**2.1**	**NM**	**9**	**9,406**	**9,220**	**--**	*****	**126**	**109**
New Jersey	267	266	.3	NM	--	264	266	--	--	--	--
New York	694	675	2.8	--	9	666	654	--	--	28	13
Pennsylvania	8,573	8,397	2.1	--	--	8,475	8,301	--	*	97	96
East North Central	**33,326**	**33,284**	**.1**	**23,766**	**24,879**	**9,253**	**8,104**	**17**	**39**	**290**	**261**
Illinois	7,774	7,457	4.2	975	971	6,634	6,338	5	5	160	144
Indiana	8,569	7,760	10.4	7,963	7,199	593	550	9	8	NM	3
Michigan	5,121	5,242	-2.3	5,061	5,171	34	30	--	23	27	17
Ohio	8,856	9,502	-6.8	6,846	8,293	1,987	1,186	--	--	22	23
Wisconsin	3,005	3,322	-9.5	2,921	3,244	NM	--	NM	3	77	75
West North Central	**17,414**	**18,729**	**-7.0**	**17,171**	**18,507**	**3**	**2**	**22**	**22**	**218**	**197**
Iowa	3,315	2,928	13.2	3,163	2,817	--	--	13	15	139	96
Kansas	2,191	2,835	-22.7	2,191	2,835	--	--	--	--	--	--
Minnesota	1,891	2,278	-17.0	1,829	2,198	3	2	--	--	59	78
Missouri	5,875	5,549	5.9	5,858	5,535	--	--	9	7	NM	8
Nebraska	1,676	2,259	-25.8	1,672	2,255	--	--	--	--	NM	4
North Dakota	2,213	2,631	-15.9	2,204	2,619	--	--	--	--	10	12
South Dakota	254	249	2.1	254	249	--	--	--	--	--	--
South Atlantic	**22,839**	**23,784**	**-4.0**	**19,219**	**20,690**	**3,376**	**2,840**	**NM**	**8**	**237**	**246**
Delaware	94	167	-43.6	--	--	94	167	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,392	4,024	9.2	4,170	3,905	201	95	--	--	NM	24
Georgia	4,295	4,365	-1.6	4,234	4,305	--	--	--	--	62	60
Maryland	1,334	1,213	10.0	--	--	1,316	1,199	--	--	18	14
North Carolina	4,462	4,768	-6.4	4,280	4,592	159	144	4	6	NM	25
South Carolina	2,370	2,734	-13.3	2,323	2,705	NM	8	--	--	25	20
Virginia	1,195	1,718	-30.5	967	1,502	167	148	NM	2	58	66
West Virginia	4,697	4,796	-2.0	3,245	3,681	1,417	1,078	--	--	35	37
East South Central	**15,129**	**14,017**	**7.9**	**14,666**	**13,593**	**318**	**286**	**NM**	**3**	**143**	**134**
Alabama	4,279	4,031	6.2	4,243	3,988	8	9	--	--	28	34
Kentucky	6,889	6,227	10.6	6,889	6,227	--	--	--	--	--	--
Mississippi	882	992	-11.1	572	715	310	277	--	--	--	*
Tennessee	3,078	2,767	11.2	2,961	2,664	--	--	NM	3	115	100
West South Central	**18,433**	**17,726**	**4.0**	**9,991**	**9,875**	**8,264**	**7,816**	**--**	**--**	**178**	**35**
Arkansas	2,272	2,183	4.1	1,823	2,176	438	--	--	--	11	7
Louisiana	2,247	2,048	9.7	1,087	1,035	1,161	1,013	--	--	--	--
Oklahoma	2,365	2,416	-2.1	2,182	2,213	145	174	--	--	38	28
Texas	11,549	11,079	4.2	4,899	4,451	6,521	6,628	--	--	129	--
Mountain	**16,586**	**17,820**	**-6.9**	**14,771**	**15,915**	**1,770**	**1,856**	**--**	**--**	**46**	**50**
Arizona	3,652	3,262	11.9	3,630	3,240	--	--	--	--	NM	22
Colorado	2,948	2,758	6.9	2,935	2,743	NM	15	--	--	--	--
Idaho	NM	10	--	--	--	--	--	--	--	NM	10
Montana	1,567	1,663	-5.8	NM	27	1,542	1,636	--	--	--	--
Nevada	420	652	-35.6	295	544	125	108	--	--	--	--
New Mexico	2,292	2,550	-10.1	2,292	2,550	--	--	--	--	--	--
Utah	1,966	2,995	-34.4	1,932	2,960	NM	35	--	--	--	--
Wyoming	3,736	3,929	-4.9	3,661	3,851	NM	61	--	--	18	17
Pacific Contiguous	**1,453**	**990**	**46.8**	**410**	**412**	**1,016**	**541**	**--**	**--**	**27**	**36**
California	144	187	-22.9	--	--	122	154	--	--	22	33
Oregon	410	412	-.3	410	412	--	--	--	--	--	--
Washington	898	391	129.7	--	--	894	388	--	--	4	3
Pacific Noncontiguous	**182**	**191**	**-4.4**	**18**	**18**	**147**	**151**	**18**	**22**	**--**	**--**
Alaska	53	58	-7.6	18	18	18	18	18	22	--	--
Hawaii	129	133	-3.0	--	--	129	133	--	--	--	--
U.S. Total	**135,496**	**136,810**	**-1.0**	**100,104**	**104,003**	**34,061**	**31,641**	**65**	**94**	**1,266**	**1,072**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.7.B. Net Generation from Coal by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**12,984**	**12,911**	**.6**	**2,720**	**2,555**	**10,210**	**10,297**	**--**	**--**	**54**	**59**
Connecticut	2,330	2,092	11.3	--	--	2,330	2,092	--	--	--	--
Maine	81	64	26.7	--	--	51	25	--	--	30	39
Massachusetts	7,853	8,199	-4.2	--	--	7,829	8,179	--	--	24	20
New Hampshire	2,720	2,555	6.5	2,720	2,555	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**119,215**	**111,189**	**7.2**	**NM**	**66**	**117,719**	**109,790**	**5**	**3**	**1,445**	**1,330**
New Jersey	5,853	4,307	35.9	NM	12	5,807	4,295	--	--	--	--
New York	12,089	11,556	4.6	--	54	11,741	11,203	4	2	344	298
Pennsylvania	101,273	95,325	6.2	--	--	100,171	94,291	NM	1	1,101	1,033
East North Central	**392,603**	**376,642**	**4.2**	**284,054**	**276,630**	**104,918**	**96,478**	**412**	**443**	**3,219**	**3,091**
Illinois	85,226	81,111	5.1	10,827	9,274	72,619	70,229	41	44	1,739	1,564
Indiana	101,170	97,715	3.5	93,838	91,162	7,179	6,407	106	108	46	39
Michigan	61,360	60,778	1.0	60,448	59,871	364	353	237	265	310	289
Ohio	108,011	103,687	4.2	83,067	83,929	24,685	19,460	--	--	258	297
Wisconsin	36,837	33,351	10.5	35,873	32,394	NM	30	28	26	865	902
West North Central	**210,513**	**204,894**	**2.7**	**207,859**	**202,631**	**34**	**31**	**274**	**266**	**2,346**	**1,966**
Iowa	37,624	33,648	11.8	36,075	32,380	--	--	175	178	1,374	1,090
Kansas	29,889	29,179	2.4	29,889	29,179	--	--	--	--	--	--
Minnesota	25,230	26,529	-4.9	24,477	25,872	34	31	--	--	718	627
Missouri	67,795	64,802	4.6	67,597	64,611	--	--	100	89	98	102
Nebraska	21,089	20,958	.6	21,050	20,920	--	--	--	--	39	38
North Dakota	25,852	26,893	-3.9	25,736	26,784	--	--	--	--	116	109
South Dakota	3,035	2,885	5.2	3,035	2,885	--	--	--	--	--	--
South Atlantic	**338,726**	**309,390**	**9.5**	**283,552**	**260,681**	**52,331**	**46,153**	**84**	**64**	**2,759**	**2,493**
Delaware	2,426	2,461	-1.4	--	--	2,417	2,445	--	--	9	16
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	54,336	48,605	11.8	50,746	44,860	3,324	3,492	--	--	266	253
Georgia	66,894	63,374	5.6	66,230	62,826	--	--	--	--	664	549
Maryland	21,130	21,528	-1.8	--	--	20,920	21,322	--	--	210	206
North Carolina	65,061	58,524	11.2	62,487	56,445	2,255	1,748	54	40	265	291
South Carolina	34,372	30,950	11.1	33,845	30,642	280	99	--	--	248	209
Virginia	23,540	22,907	2.8	19,521	20,154	3,229	2,022	30	24	760	708
West Virginia	70,967	61,041	16.3	50,724	45,754	19,906	15,026	--	--	337	261
East South Central	**192,952**	**177,802**	**8.5**	**188,169**	**173,185**	**3,102**	**3,136**	**25**	**26**	**1,657**	**1,454**
Alabama	58,088	51,218	13.4	57,608	50,744	103	99	--	--	377	374
Kentucky	82,529	76,353	8.1	82,529	76,353	--	--	--	--	--	--
Mississippi	12,509	11,979	4.4	9,510	8,940	2,999	3,037	--	--	--	2
Tennessee	39,826	38,251	4.1	38,521	37,148	--	--	25	26	1,279	1,078
West South Central	**212,670**	**201,343**	**5.6**	**118,832**	**113,894**	**90,303**	**87,007**	**--**	**--**	**3,534**	**442**
Arkansas	25,008	22,879	9.3	24,032	22,801	876	--	--	--	100	78
Louisiana	21,695	20,779	4.4	10,253	9,961	11,442	10,817	--	--	--	2
Oklahoma	29,137	31,044	-6.1	26,824	28,881	1,796	1,800	--	--	517	363
Texas	136,830	126,641	8.0	57,723	52,251	76,189	74,390	--	--	2,917	--
Mountain	**188,338**	**182,103**	**3.4**	**167,491**	**164,962**	**19,427**	**15,846**	**--**	**--**	**1,420**	**1,295**
Arizona	39,731	35,653	11.4	39,433	35,438	--	--	--	--	299	215
Colorado	31,720	28,638	10.8	31,546	28,472	175	166	--	--	--	--
Idaho	78	72	8.9	--	--	--	--	--	--	78	72
Montana	17,238	13,915	23.9	300	289	16,938	13,627	--	--	--	--
Nevada	6,376	6,728	-5.2	5,100	5,706	1,276	1,022	--	--	--	--
New Mexico	23,331	26,507	-12.0	23,331	26,507	--	--	--	--	--	--
Utah	31,316	32,414	-3.4	30,085	31,210	391	373	--	--	840	831
Wyoming	38,547	38,176	1.0	37,697	37,342	647	658	--	--	203	177
Pacific Contiguous	**13,188**	**11,261**	**17.1**	**3,720**	**2,777**	**9,111**	**8,111**	**--**	**--**	**357**	**374**
California	1,877	1,864	.7	--	--	1,557	1,525	--	--	320	338
Oregon	3,720	2,777	34.0	3,720	2,777	--	--	--	--	--	--
Washington	7,591	6,621	14.7	--	--	7,554	6,585	--	--	37	35
Pacific Noncontiguous	**2,012**	**1,935**	**4.0**	**174**	**194**	**1,648**	**1,554**	**191**	**187**	**--**	**--**
Alaska	572	572	.0	174	194	208	191	191	187	--	--
Hawaii	1,440	1,363	5.6	--	--	1,440	1,363	--	--	--	--
U.S. Total	**1,683,202**	**1,589,470**	**5.9**	**1,256,616**	**1,197,575**	**408,804**	**378,402**	**991**	**989**	**16,791**	**12,504**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.8.A. Net Generation from Petroleum Liquids by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**56**	**48**	**17.2**	**7**	**17**	**34**	**19**	**NM**	**6**	**12**	**6**
Connecticut	3	4	-8.4	NM	*	3	4	--	--	NM	*
Maine	39	7	463.0	NM	*	27	1	NM	*	11	6
Massachusetts	10	18	-47.7	4	1	NM	15	NM	3	NM	*
New Hampshire	3	19	-82.9	2	16	NM	*	NM	3	NM	*
Rhode Island	NM	*	--	1	*	NM	*	NM	*	--	--
Vermont	NM	*	--	NM	*	--	--	--	--	--	--
Middle Atlantic	**105**	**45**	**133.2**	**NM**	**4**	**86**	**32**	**NM**	**2**	**NM**	**7**
New Jersey	63	2	NM	NM	*	63	2	NM	*	NM	*
New York	NM	18	--	NM	4	NM	5	1	2	NM	7
Pennsylvania	15	26	-42.8	NM	*	14	25	NM	*	NM	*
East North Central	**48**	**52**	**-7.9**	**38**	**43**	**8**	**8**	**NM**	**1**	**2**	**1**
Illinois	8	8	-5.5	1	2	7	6	NM	*	NM	*
Indiana	10	13	-21.9	9	13	NM	*	NM	*	1	*
Michigan	11	10	9.5	11	9	NM	*	NM	1	*	1
Ohio	17	18	-4.7	15	16	2	2	--	--	NM	*
Wisconsin	2	3	-33.9	2	3	NM	*	--	--	NM	*
West North Central	**41**	**22**	**86.8**	**40**	**21**	**NM**	*****	**NM**	*****	**NM**	**1**
Iowa	10	5	107.3	10	5	NM	*	NM	*	NM	*
Kansas	4	3	27.9	4	3	--	--	--	--	--	--
Minnesota	3	2	53.5	2	1	NM	*	NM	*	NM	*
Missouri	14	6	121.3	14	6	--	--	*	*	NM	*
Nebraska	7	2	302.0	7	2	--	--	--	--	--	--
North Dakota	3	4	-19.6	3	4	--	--	NM	*	NM	*
South Dakota	NM	*	--	NM	*	NM	*	NM	*	--	--
South Atlantic	**142**	**287**	**-50.4**	**108**	**241**	**19**	**18**	**NM**	*****	**15**	**27**
Delaware	1	2	-20.1	NM	*	1	2	--	--	NM	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	36	195	-81.5	32	185	NM	1	--	--	NM	9
Georgia	11	9	30.0	4	3	*	*	NM	*	7	5
Maryland	8	11	-24.8	*	*	7	10	NM	*	*	*
North Carolina	NM	20	--	NM	12	NM	2	NM	*	NM	6
South Carolina	9	19	-52.1	8	18	--	--	NM	*	1	1
Virginia	44	19	129.1	33	12	8	2	*	*	3	5
West Virginia	19	12	57.6	19	11	--	1	--	--	--	--
East South Central	**27**	**37**	**-26.8**	**24**	**25**	**NM**	*****	**--**	**--**	**NM**	**12**
Alabama	10	17	-38.5	8	6	NM	*	--	--	NM	11
Kentucky	10	12	-17.0	10	12	--	--	--	--	--	--
Mississippi	*	2	--	*	1	--	--	--	--	*	*
Tennessee	6	6	-.8	6	6	--	--	--	--	NM	*
West South Central	**16**	**21**	**-25.0**	**4**	**8**	**7**	**7**	**NM**	*****	**5**	**5**
Arkansas	4	1	338.4	2	*	2	--	--	--	NM	*
Louisiana	1	9	-92.1	-1	1	1	3	--	--	*	6
Oklahoma	NM	1	--	1	2	--	--	NM	*	NM	-1
Texas	10	9	15.0	2	4	4	4	NM	*	NM	*
Mountain	**26**	**18**	**39.8**	**24**	**17**	**1**	**1**	**NM**	*****	**NM**	*****
Arizona	6	7	-19.7	6	7	--	--	NM	*	NM	*
Colorado	1	1	-29.7	1	1	NM	--	--	*	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	1	1	83.5	NM	*	1	1	--	--	NM	*
Nevada	2	1	137.0	1	*	*	1	--	--	--	--
New Mexico	4	4	4.0	4	4	--	--	--	--	NM	*
Utah	5	3	78.4	5	3	--	--	--	--	--	--
Wyoming	8	3	200.9	8	3	--	--	--	--	NM	*
Pacific Contiguous	**NM**	**10**	**--**	**NM**	**6**	**1**	**3**	**NM**	*****	**NM**	**1**
California	4	6	-36.2	3	5	1	1	NM	*	NM	*
Oregon	NM	*	--	*	*	--	--	--	--	NM	--
Washington	NM	4	--	NM	1	*	2	NM	*	NM	1
Pacific Noncontiguous	**741**	**776**	**-4.5**	**583**	**598**	**147**	**158**	**NM**	**1**	**10**	**19**
Alaska	75	104	-27.8	71	99	--	--	NM	1	3	4
Hawaii	666	672	-.9	512	499	147	158	*	*	7	15
U.S. Total	**1,208**	**1,316**	**-8.2**	**841**	**979**	**303**	**247**	**6**	**10**	**57**	**79**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.8.B. Net Generation from Petroleum Liquids by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**1,011**	**1,737**	**-41.8**	**93**	**177**	**738**	**1,286**	**66**	**86**	**115**	**188**
Connecticut	378	281	34.4	2	2	371	273	--	--	NM	6
Maine	247	418	-40.8	NM	1	142	243	NM	2	103	171
Massachusetts	304	846	-64.1	34	22	224	761	40	54	NM	10
New Hampshire	66	174	-62.1	45	141	NM	7	20	25	NM	1
Rhode Island	NM	16	--	9	10	NM	1	NM	5	--	--
Vermont	NM	2	--	NM	2	--	--	--	--	--	--
Middle Atlantic	**2,059**	**3,324**	**-38.1**	**809**	**1,221**	**1,132**	**1,938**	**22**	**28**	**97**	**137**
New Jersey	191	275	-30.7	NM	3	186	268	NM	1	NM	3
New York	1,381	2,341	-41.0	806	1,218	466	970	19	25	90	127
Pennsylvania	487	709	-31.3	NM	1	480	700	NM	2	NM	7
East North Central	**741**	**717**	**3.3**	**577**	**547**	**129**	**128**	**10**	**10**	**25**	**33**
Illinois	101	105	-4.1	23	26	77	79	NM	*	NM	*
Indiana	142	133	7.0	129	121	NM	*	NM	1	12	10
Michigan	196	204	-4.3	182	184	NM	*	9	8	5	12
Ohio	270	237	13.5	217	184	47	47	--	--	NM	7
Wisconsin	32	37	-13.3	26	32	4	2	--	--	2	3
West North Central	**347**	**270**	**28.7**	**334**	**250**	**3**	**8**	**5**	**5**	**NM**	**6**
Iowa	82	50	62.8	80	49	1	1	NM	*	NM	*
Kansas	42	37	15.3	42	37	--	--	--	--	--	--
Minnesota	34	62	-45.0	27	48	1	7	4	5	NM	2
Missouri	114	52	121.5	114	51	--	--	NM	*	NM	1
Nebraska	29	21	37.7	29	21	--	--	--	--	--	--
North Dakota	38	40	-3.2	35	37	--	--	NM	*	4	3
South Dakota	7	8	-14.8	7	8	NM	*	NM	*	--	--
South Atlantic	**7,610**	**8,612**	**-11.6**	**6,531**	**7,296**	**836**	**837**	**NM**	**4**	**239**	**475**
Delaware	38	257	-85.3	NM	*	37	100	--	--	NM	156
District of Columbia	194	35	454.2	--	--	194	35	--	--	--	--
Florida	5,456	6,254	-12.7	5,226	6,071	159	94	--	--	71	89
Georgia	133	143	-7.3	58	49	14	10	3	3	58	82
Maryland	277	314	-12.0	4	2	270	308	NM	*	3	4
North Carolina	243	273	-11.1	198	215	NM	5	NM	*	40	53
South Carolina	124	120	3.8	113	89	--	*	NM	*	11	30
Virginia	1,001	1,064	-5.9	788	729	156	273	1	1	56	61
West Virginia	144	153	-5.5	144	141	*	12	--	--	--	--
East South Central	**551**	**496**	**11.1**	**435**	**357**	**13**	**16**	**--**	**--**	**103**	**123**
Alabama	190	194	-2.2	83	63	13	16	--	--	94	115
Kentucky	111	111	-.6	111	111	--	--	--	--	--	--
Mississippi	77	14	440.5	73	11	--	--	--	--	4	3
Tennessee	173	176	-1.8	168	171	--	--	--	--	NM	4
West South Central	**319**	**311**	**2.5**	**154**	**145**	**82**	**51**	**NM**	**3**	**80**	**112**
Arkansas	38	82	-53.2	33	75	3	--	--	--	NM	7
Louisiana	101	95	5.7	74	36	17	17	--	--	10	43
Oklahoma	13	9	48.5	10	11	--	--	NM	*	NM	-3
Texas	167	125	33.4	37	24	61	34	NM	3	66	64
Mountain	**226**	**214**	**5.9**	**209**	**193**	**16**	**19**	**NM**	*****	**NM**	**2**
Arizona	61	57	5.9	60	56	--	--	NM	*	NM	1
Colorado	10	12	-17.9	10	12	NM	1	*	*	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	13	11	16.5	NM	*	12	10	--	--	NM	*
Nevada	13	16	-19.7	9	8	3	8	--	--	--	--
New Mexico	41	41	.0	41	41	--	--	--	--	NM	*
Utah	36	33	11.3	36	33	--	--	--	--	--	--
Wyoming	53	44	20.3	53	44	--	--	--	--	NM	*
Pacific Contiguous	**83**	**165**	**-49.7**	**47**	**53**	**18**	**23**	**NM**	**1**	**18**	**88**
California	46	129	-64.3	37	44	7	15	NM	*	1	70
Oregon	6	8	-21.8	3	3	--	--	--	--	4	5
Washington	31	28	9.5	NM	6	11	8	NM	*	12	13
Pacific Noncontiguous	**8,032**	**8,660**	**-7.3**	**6,402**	**6,760**	**1,502**	**1,682**	**10**	**9**	**118**	**209**
Alaska	820	1,052	-22.0	775	1,004	--	--	9	7	37	40
Hawaii	7,212	7,608	-5.2	5,627	5,756	1,502	1,682	1	1	81	169
U.S. Total	**20,978**	**24,506**	**-14.4**	**15,591**	**17,001**	**4,467**	**5,987**	**120**	**145**	**801**	**1,372**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.9.A. Net Generation from Petroleum Coke by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**13**	**--**	**--**	**--**	**NM**	**2**	**--**	**--**	**NM**	**12**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	--	--	--	--	NM	--	--	--	--	--
Pennsylvania	NM	13	--	--	--	NM	2	--	--	NM	12
East North Central	**157**	**165**	**-4.4**	**35**	**32**	**93**	**92**	**--**	**--**	**NM**	**41**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	18	--	NM	2	6	6	--	--	NM	10
Ohio	94	94	-.7	--	--	87	86	--	--	NM	8
Wisconsin	53	52	1.4	32	30	--	--	--	--	21	22
West North Central	**3**	**9**	**-62.9**	**2**	**8**	**--**	**--**	**1**	**1**	**--**	**--**
Iowa	1	2	-36.3	*	1	--	--	1	1	--	--
Kansas	2	5	-61.3	2	5	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	2	--	--	2	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**34**	**47**	**-28.0**	**-5**	**--**	**--**	**--**	**--**	**--**	**39**	**47**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	-5	--	--	-5	--	--	--	--	--	--	--
Georgia	39	47	-17.0	--	--	--	--	--	--	39	47
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**153**	**93**	**63.7**	**153**	**93**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	153	93	63.7	153	93	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**354**	**271**	**30.8**	**328**	**161**	**1**	**73**	**--**	**--**	**NM**	**37**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	344	190	81.3	328	161	--	--	--	--	NM	29
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	10	81	-87.5	--	--	1	73	--	--	9	8
Mountain	**41**	**43**	**-5.0**	**--**	**--**	**41**	**43**	**--**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	41	43	-5.0	--	--	41	43	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**NM**	**116**	**--**	**--**	**--**	**NM**	**116**	**--**	**--**	**--**	**--**
California	NM	116	--	--	--	NM	116	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**842**	**757**	**11.2**	**513**	**295**	**228**	**326**	**1**	**1**	**99**	**136**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.9.B. Net Generation from Petroleum Coke by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**659**	**328**	**100.7**	--	--	**554**	**198**	--	--	**NM**	**130**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	483	158	206.2	--	--	483	158	--	--	--	--
Pennsylvania	NM	171	--	--	--	NM	41	--	--	NM	130
East North Central	**1,785**	**1,737**	**2.8**	**439**	**400**	**1,024**	**947**	--	--	**322**	**390**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	10	--	--	--	--	10	--	--	--	--
Michigan	NM	170	--	NM	21	65	69	--	--	NM	80
Ohio	977	953	2.5	--	--	959	868	--	--	NM	85
Wisconsin	623	605	3.0	410	379	--	--	--	--	213	226
West North Central	**130**	**121**	**8.1**	**125**	**117**	--	--	**6**	**4**	--	--
Iowa	66	21	211.1	60	17	--	--	6	4	--	--
Kansas	56	73	-23.1	56	73	--	--	--	--	--	--
Minnesota	--	-1	--	--	-1	--	--	--	--	--	--
Missouri	8	27	-70.3	8	27	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**3,369**	**3,649**	**-7.7**	**2,924**	**3,205**	--	--	--	--	**445**	**443**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,896	2,822	2.6	2,896	2,822	--	--	--	--	--	--
Georgia	445	443	.5	--	--	--	--	--	--	445	443
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	28	383	-92.7	28	383	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**1,986**	**1,758**	**13.0**	**1,986**	**1,758**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	1,986	1,758	13.0	1,986	1,758	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**3,512**	**2,698**	**30.2**	**2,612**	**1,237**	**448**	**1,056**	--	--	**452**	**405**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	2,939	1,544	90.4	2,612	1,237	--	--	--	--	NM	307
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	572	1,154	-50.4	--	--	448	1,056	--	--	124	98
Mountain	**352**	**434**	**-19.1**	--	--	**352**	**434**	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	352	434	-19.1	--	--	352	434	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**621**	**1,285**	**-51.7**	--	--	**621**	**1,285**	--	--	--	--
California	621	1,285	-51.7	--	--	621	1,285	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**12,414**	**12,010**	**3.4**	**8,086**	**6,716**	**2,999**	**3,921**	**6**	**4**	**1,324**	**1,369**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.10.A. Net Generation from Natural Gas by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**4,937**	**4,292**	**15.0**	**104**	**27**	**4,553**	**4,007**	**50**	**46**	**231**	**211**
Connecticut	1,261	744	69.5	*	*	1,230	716	NM	4	NM	23
Maine	595	676	-11.9	--	--	411	502	NM	*	184	174
Massachusetts	1,855	1,796	3.3	75	8	1,721	1,739	41	37	NM	12
New Hampshire	785	457	71.6	28	19	755	437	--	--	NM	2
Rhode Island	440	618	-28.7	--	--	435	614	NM	4	--	--
Vermont	*	*	--	*	*	--	--	--	--	--	--
Middle Atlantic	**9,038**	**7,104**	**27.2**	**989**	**867**	**7,884**	**6,110**	**53**	**23**	**112**	**105**
New Jersey	1,806	1,615	11.8	--	--	1,756	1,568	NM	6	42	41
New York	4,037	3,136	28.7	988	866	2,986	2,232	39	13	24	24
Pennsylvania	3,196	2,354	35.8	NM	*	3,143	2,310	NM	4	46	40
East North Central	**2,166**	**1,485**	**45.8**	**538**	**266**	**1,458**	**1,114**	**73**	**39**	**96**	**66**
Illinois	130	110	18.3	NM	6	60	65	35	28	NM	11
Indiana	473	188	151.3	250	36	173	107	NM	2	46	43
Michigan	683	503	35.7	NM	38	645	463	25	1	NM	1
Ohio	699	318	119.4	198	3	497	313	--	--	NM	2
Wisconsin	181	365	-50.4	80	184	84	165	NM	8	NM	9
West North Central	**564**	**437**	**29.0**	**489**	**404**	**50**	**6**	**NM**	**7**	**NM**	**21**
Iowa	50	43	18.4	40	25	--	*	NM	2	NM	16
Kansas	84	133	-36.7	84	133	--	--	--	--	--	--
Minnesota	267	162	64.7	209	150	45	4	NM	5	NM	4
Missouri	152	83	82.3	146	81	NM	3	1	*	NM	*
Nebraska	9	5	73.7	9	5	NM	*	NM	*	--	--
North Dakota	NM	1	--	NM	*	--	--	--	--	NM	1
South Dakota	NM	11	--	NM	11	--	--	--	--	--	--
South Atlantic	**12,830**	**12,305**	**4.3**	**10,512**	**10,823**	**2,168**	**1,355**	**NM**	**2**	**147**	**126**
Delaware	165	77	115.4	NM	1	164	71	--	--	NM	5
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	8,703	9,082	-4.2	8,059	8,453	550	559	NM	2	92	69
Georgia	1,454	1,406	3.5	714	799	702	569	--	--	38	38
Maryland	74	58	28.3	--	--	68	53	NM	*	NM	5
North Carolina	540	304	77.7	430	303	106	*	1	*	NM	*
South Carolina	717	791	-9.4	665	749	50	41	NM	*	1	1
Virginia	1,172	576	103.4	643	514	523	55	--	--	NM	7
West Virginia	NM	11	--	*	4	5	7	--	--	NM	1
East South Central	**4,831**	**3,509**	**37.7**	**2,406**	**1,671**	**2,279**	**1,740**	**NM**	**3**	**136**	**96**
Alabama	2,727	2,003	36.1	1,001	814	1,634	1,127	--	--	91	62
Kentucky	56	45	24.8	38	29	--	5	--	--	NM	10
Mississippi	1,817	1,455	24.9	1,147	824	645	607	NM	2	NM	22
Tennessee	231	7	NM	220	4	--	--	NM	2	NM	1
West South Central	**16,845**	**16,044**	**5.0**	**4,384**	**3,764**	**7,849**	**7,781**	**40**	**35**	**4,571**	**4,465**
Arkansas	356	277	28.5	32	4	306	250	NM	*	17	23
Louisiana	3,229	3,168	1.9	911	818	481	457	NM	3	1,833	1,890
Oklahoma	1,743	1,731	.7	1,509	1,293	218	420	NM	1	NM	16
Texas	11,517	10,868	6.0	1,932	1,650	6,843	6,654	34	30	2,708	2,535
Mountain	**5,652**	**6,063**	**-6.8**	**3,031**	**3,062**	**2,555**	**2,927**	**NM**	**9**	**56**	**65**
Arizona	1,929	2,128	-9.3	587	794	1,337	1,330	NM	4	NM	--
Colorado	760	882	-13.8	298	298	461	582	*	*	NM	1
Idaho	132	128	3.2	NM	15	118	110	--	--	3	3
Montana	NM	6	--	NM	*	NM	5	--	--	NM	1
Nevada	1,656	1,895	-12.6	1,301	1,267	351	613	--	--	NM	15
New Mexico	571	601	-5.0	340	336	227	260	NM	5	--	*
Utah	558	382	46.0	489	343	56	26	--	*	NM	12
Wyoming	39	42	-6.1	NM	8	NM	*	--	--	34	34
Pacific Contiguous	**11,137**	**11,694**	**-4.8**	**3,398**	**3,188**	**6,711**	**7,287**	**132**	**147**	**896**	**1,072**
California	8,894	9,172	-3.0	2,207	1,847	5,680	6,155	131	146	877	1,024
Oregon	1,541	1,627	-5.3	612	609	915	974	--	--	NM	44
Washington	701	895	-21.6	580	732	116	158	NM	1	4	4
Pacific Noncontiguous	**331**	**338**	**-2.1**	**326**	**333**	**--**	**--**	**--**	**--**	**NM**	**6**
Alaska	331	338	-2.1	326	333	--	--	--	--	NM	6
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**68,332**	**63,272**	**8.0**	**26,177**	**24,404**	**35,508**	**32,326**	**380**	**311**	**6,268**	**6,231**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas includes a small amount of supplemental gaseous fuels.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.10.B. Net Generation from Natural Gas by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**52,918**	**46,154**	**14.7**	**669**	**148**	**49,457**	**43,268**	**498**	**500**	**2,294**	**2,238**
Connecticut	10,685	8,940	19.5	3	2	10,390	8,666	NM	42	252	230
Maine	7,212	6,618	9.0	--	--	5,363	4,771	NM	*	1,850	1,847
Massachusetts	23,334	19,132	22.0	495	113	22,262	18,464	407	415	171	140
New Hampshire	4,765	4,641	2.7	168	27	4,575	4,592	--	--	NM	21
Rhode Island	6,917	6,818	1.5	--	--	6,867	6,775	NM	43	--	--
Vermont	3	4	-17.3	3	4	--	--	--	--	--	--
Middle Atlantic	**97,507**	**84,954**	**14.8**	**12,512**	**11,279**	**83,302**	**72,096**	**562**	**400**	**1,131**	**1,178**
New Jersey	22,552	19,050	18.4	--	--	22,044	18,508	75	74	433	467
New York	45,130	38,418	17.5	12,502	11,273	31,974	26,632	427	283	227	229
Pennsylvania	29,825	27,486	8.5	NM	6	29,285	26,956	NM	42	471	482
East North Central	**33,738**	**25,399**	**32.8**	**9,563**	**5,519**	**22,646**	**18,279**	**571**	**516**	**959**	**1,085**
Illinois	5,411	4,367	23.9	535	157	4,227	3,363	357	352	293	495
Indiana	5,519	3,527	56.5	3,168	1,628	1,889	1,474	NM	31	431	394
Michigan	11,094	7,959	39.4	1,255	519	9,685	7,331	68	31	86	78
Ohio	6,275	4,549	37.9	1,384	802	4,850	3,720	--	--	NM	27
Wisconsin	5,439	4,997	8.8	3,221	2,412	1,996	2,391	113	103	109	92
West North Central	**13,246**	**9,689**	**36.7**	**11,120**	**7,954**	**1,864**	**1,490**	**94**	**98**	**169**	**147**
Iowa	1,474	1,125	31.0	1,365	1,041	NM	*	NM	8	102	77
Kansas	2,650	2,505	5.8	2,650	2,505	--	--	--	--	--	--
Minnesota	4,013	2,525	58.9	2,971	1,792	916	593	76	86	50	55
Missouri	4,449	3,168	40.4	3,490	2,266	947	897	10	4	NM	1
Nebraska	428	272	57.5	428	271	NM	*	NM	*	--	--
North Dakota	NM	15	--	NM	*	--	--	--	--	NM	15
South Dakota	213	79	168.5	213	79	--	--	--	--	--	--
South Atlantic	**177,952**	**157,655**	**12.9**	**140,406**	**128,443**	**35,531**	**27,500**	**33**	**24**	**1,982**	**1,689**
Delaware	2,839	1,228	131.2	NM	11	2,819	1,163	--	--	NM	54
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	117,359	110,516	6.2	106,806	99,321	9,177	10,211	28	22	1,347	962
Georgia	21,871	19,018	15.0	10,451	10,120	10,985	8,438	--	--	435	460
Maryland	2,800	1,659	68.8	--	--	2,739	1,604	NM	*	59	55
North Carolina	7,831	4,574	71.2	5,864	3,700	1,928	866	1	1	38	7
South Carolina	9,794	9,288	5.4	8,393	8,422	1,390	859	NM	*	10	8
Virginia	15,336	11,271	36.1	8,834	6,841	6,418	4,294	--	--	84	136
West Virginia	121	101	20.2	38	28	75	65	--	--	NM	7
East South Central	**65,470**	**51,644**	**26.8**	**30,209**	**24,015**	**33,853**	**26,402**	**104**	**98**	**1,304**	**1,129**
Alabama	34,979	29,283	19.4	11,979	10,285	22,197	18,361	--	--	803	637
Kentucky	1,583	775	104.3	1,248	491	149	96	--	--	186	188
Mississippi	27,059	21,234	27.4	15,247	12,979	11,506	7,945	NM	22	284	289
Tennessee	1,850	352	425.6	1,736	260	--	--	82	76	32	16
West South Central	**263,358**	**257,747**	**2.2**	**70,749**	**63,743**	**139,844**	**144,713**	**500**	**470**	**52,265**	**48,821**
Arkansas	11,583	10,696	8.3	1,904	871	9,474	9,620	NM	*	204	204
Louisiana	47,199	40,395	16.8	17,695	13,407	7,917	7,351	41	41	21,546	19,596
Oklahoma	31,536	31,906	-1.2	22,922	20,057	8,425	11,683	33	28	156	139
Texas	173,040	174,750	-1.0	28,227	29,408	114,028	116,058	426	400	30,358	28,882
Mountain	**76,768**	**84,795**	**-9.5**	**37,543**	**41,895**	**38,240**	**42,010**	**135**	**135**	**850**	**755**
Arizona	28,054	32,735	-14.3	9,143	12,224	18,847	20,447	63	64	NM	1
Colorado	10,691	12,475	-14.3	3,513	3,911	7,158	8,548	4	3	NM	13
Idaho	1,711	1,429	19.7	273	240	1,412	1,144	--	--	26	45
Montana	104	71	45.9	NM	2	72	61	--	--	NM	8
Nevada	22,052	23,912	-7.8	14,846	16,030	6,952	7,692	--	--	254	189
New Mexico	7,817	7,982	-2.1	4,490	4,431	3,224	3,485	62	65	40	*
Utah	5,883	5,757	2.2	5,168	4,970	564	630	NM	2	145	154
Wyoming	457	434	5.3	87	86	NM	3	--	--	358	345
Pacific Contiguous	**120,554**	**127,990**	**-5.8**	**35,375**	**36,142**	**72,623**	**78,500**	**1,578**	**1,617**	**10,977**	**11,730**
California	96,318	102,915	-6.4	22,349	22,866	61,604	67,194	1,563	1,606	10,802	11,249
Oregon	14,263	14,367	-.7	5,585	5,355	8,538	8,576	--	*	139	437
Washington	9,973	10,707	-6.9	7,441	7,921	2,481	2,730	NM	12	35	44
Pacific Noncontiguous	**3,481**	**3,197**	**8.9**	**3,429**	**3,144**	**--**	**--**	**--**	**--**	**52**	**53**
Alaska	3,481	3,197	8.9	3,429	3,144	--	--	--	--	52	53
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**904,992**	**849,223**	**6.6**	**351,573**	**322,281**	**477,360**	**454,259**	**4,075**	**3,858**	**71,984**	**68,825**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas includes a small amount of supplemental gaseous fuels.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.11.A. Net Generation from Other Gases by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**4**	**--**	**--**	**--**	**--**	**4**	**--**	**--**	**--**	**--**	**--**
Connecticut	4	--	--	--	--	4	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**53**	**52**	**1.4**	**--**	**--**	*****	*****	**--**	**--**	**53**	**52**
New Jersey	19	14	36.1	--	--	--	--	--	--	19	14
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	34	38	-11.2	--	--	*	*	--	--	34	38
East North Central	**213**	**196**	**8.8**	**--**	**--**	**29**	**17**	**--**	**--**	**184**	**178**
Illinois	NM	7	--	--	--	--	*	--	--	NM	7
Indiana	178	162	9.6	--	--	--	--	--	--	178	162
Michigan	26	17	55.8	--	--	26	17	--	--	--	--
Ohio	3	9	-71.6	--	--	3	--	--	--	--	9
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	**NM**	**5**	**--**	**NM**	**2**	**--**	**--**	**--**	**--**	**NM**	**3**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	NM	2	--	NM	2	--	--	--	--	--	--
Missouri	*	*	--	*	*	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	3	--	--	--	--	--	--	--	NM	3
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**4**	**37**	**-88.5**	**--**	**--**	*****	**30**	**--**	**--**	**4**	**6**
Delaware	--	1	--	--	--	--	--	--	--	--	1
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1	*	--	--	--	*	*	--	--	1	*
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	30	--	--	--	--	30	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	3	5	-27.7	--	--	--	--	--	--	3	5
East South Central	**22**	**16**	**39.1**	*****	*****	**--**	**--**	**--**	**--**	**22**	**16**
Alabama	20	13	55.1	--	--	--	--	--	--	20	13
Kentucky	*	*	--	*	*	--	--	--	--	--	--
Mississippi	NM	2	--	--	--	--	--	--	--	NM	2
Tennessee	1	1	-28.9	--	--	--	--	--	--	1	1
West South Central	**404**	**421**	**-3.9**	**--**	**--**	**154**	**172**	**--**	**--**	**250**	**249**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	134	103	29.5	--	--	21	18	--	--	113	85
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	271	317	-14.7	--	--	134	153	--	--	137	164
Mountain	**27**	**27**	**.1**	**--**	**--**	**1**	*****	**--**	**--**	**27**	**27**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	NM	*	--	--	--	*	*	--	--	NM	*
Nevada	1	*	--	--	--	1	*	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	2	--	--	--	--	--	--	--	NM	2
Wyoming	25	24	.5	--	--	--	--	--	--	25	24
Pacific Contiguous	**161**	**154**	**4.1**	**NM**	**7**	**27**	**26**	**--**	**--**	**133**	**122**
California	134	128	4.6	NM	7	*	*	--	--	133	122
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	27	26	1.4	--	--	27	26	--	--	--	--
Pacific Noncontiguous	**NM**	**2**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**NM**	**2**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	2	--	--	--	--	--	--	--	NM	2
U.S. Total	**897**	**909**	**-1.3**	**3**	**9**	**215**	**246**	**--**	**--**	**680**	**655**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.11.B. Net Generation from Other Gases by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**11**	**--**	**--**	**--**	**--**	**11**	**--**	**--**	**--**	**--**	**--**
Connecticut	11	--	--	--	--	11	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**666**	**552**	**20.5**	**--**	**--**	**1**	**1**	**--**	**--**	**665**	**551**
New Jersey	212	155	37.0	--	--	--	--	--	--	212	155
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	454	398	14.1	--	--	1	1	--	--	453	397
East North Central	**2,331**	**1,948**	**19.7**	**1**	**1**	**272**	**196**	**--**	**--**	**2,059**	**1,752**
Illinois	73	84	-12.5	--	--	2	12	--	--	71	71
Indiana	1,974	1,656	19.2	--	--	--	--	--	--	1,974	1,656
Michigan	267	184	45.7	--	--	267	184	--	--	--	--
Ohio	16	25	-33.5	1	1	3	--	--	--	13	24
Wisconsin	*	--	--	*	--	--	--	--	--	--	--
West North Central	**83**	**62**	**35.4**	**27**	**25**	**--**	**--**	**--**	**--**	**56**	**36**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	21	20	4.5	21	20	--	--	--	--	--	--
Missouri	6	5	17.7	6	5	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	56	36	55.2	--	--	--	--	--	--	56	36
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**259**	**504**	**-48.6**	**--**	**--**	**215**	**238**	**--**	**--**	**44**	**266**
Delaware	--	227	--	--	--	--	--	--	--	--	227
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	8	7	16.4	--	--	*	*	--	--	8	6
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	215	238	-9.8	--	--	215	238	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	36	32	13.5	--	--	--	--	--	--	36	32
East South Central	**252**	**152**	**65.6**	**2**	**4**	**--**	**--**	**--**	**--**	**250**	**148**
Alabama	218	116	87.4	--	--	--	--	--	--	218	116
Kentucky	2	4	-46.4	2	4	--	--	--	--	--	--
Mississippi	20	21	-7.8	--	--	--	--	--	--	20	21
Tennessee	13	11	17.6	--	--	--	--	--	--	13	11
West South Central	**4,450**	**4,466**	**-.4**	**--**	**--**	**1,793**	**2,049**	**--**	**--**	**2,657**	**2,417**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,329	1,103	20.5	--	--	229	233	--	--	1,100	870
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	3,121	3,363	-7.2	--	--	1,564	1,816	--	--	1,556	1,547
Mountain	**285**	**280**	**1.8**	**--**	**--**	**6**	**2**	**--**	**--**	**279**	**278**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	NM	1	--	--	--	1	*	--	--	NM	1
Nevada	5	2	153.6	--	--	5	2	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	25	25	-.2	--	--	--	--	--	--	25	25
Wyoming	253	252	.2	--	--	--	--	--	--	253	252
Pacific Contiguous	**1,898**	**1,716**	**10.6**	**39**	**54**	**269**	**219**	**--**	**--**	**1,590**	**1,443**
California	1,630	1,498	8.8	39	54	1	1	--	--	1,590	1,443
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	268	218	23.0	--	--	268	218	--	--	--	--
Pacific Noncontiguous	**20**	**20**	**-2.6**	**--**	**--**	**--**	**--**	**--**	**--**	**20**	**20**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	20	20	-2.6	--	--	--	--	--	--	20	20
U.S. Total	**10,255**	**9,701**	**5.7**	**69**	**84**	**2,566**	**2,704**	**--**	**--**	**7,620**	**6,913**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.12.A. Net Generation from Nuclear Energy by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**3,185**	**2,397**	**32.9**	**--**	**--**	**3,185**	**2,397**	**--**	**--**	**--**	**--**
Connecticut	1,425	1,131	26.0	--	--	1,425	1,131	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	485	492	-1.3	--	--	485	492	--	--	--	--
New Hampshire	893	340	162.3	--	--	893	340	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	382	434	-11.8	--	--	382	434	--	--	--	--
Middle Atlantic	**12,236**	**12,153**	**.7**	**--**	**--**	**12,236**	**12,153**	**--**	**--**	**--**	**--**
New Jersey	2,211	2,711	-18.4	--	--	2,211	2,711	--	--	--	--
New York	3,252	3,696	-12.0	--	--	3,252	3,696	--	--	--	--
Pennsylvania	6,772	5,746	17.9	--	--	6,772	5,746	--	--	--	--
East North Central	**11,656**	**11,741**	**-.7**	**723**	**1,282**	**10,933**	**10,459**	**--**	**--**	**--**	**--**
Illinois	7,710	7,666	.6	--	--	7,710	7,666	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	1,305	1,863	-30.0	723	1,282	582	581	--	--	--	--
Ohio	1,480	1,472	.5	--	--	1,480	1,472	--	--	--	--
Wisconsin	1,161	739	57.1	--	--	1,161	739	--	--	--	--
West North Central	**3,610**	**2,741**	**31.7**	**3,614**	**2,297**	**-4**	**444**	**--**	**--**	**--**	**--**
Iowa	-4	444	-100.8	--	--	-4	444	--	--	--	--
Kansas	856	213	300.8	856	213	--	--	--	--	--	--
Minnesota	932	876	6.4	932	876	--	--	--	--	--	--
Missouri	889	891	-.2	889	891	--	--	--	--	--	--
Nebraska	936	316	196.5	936	316	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**15,498**	**14,104**	**9.9**	**14,241**	**12,844**	**1,256**	**1,259**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,044	1,739	17.6	2,044	1,739	--	--	--	--	--	--
Georgia	2,987	2,893	3.2	2,987	2,893	--	--	--	--	--	--
Maryland	1,256	1,259	-.2	--	--	1,256	1,259	--	--	--	--
North Carolina	3,381	3,577	-5.5	3,381	3,577	--	--	--	--	--	--
South Carolina	3,966	2,733	45.1	3,966	2,733	--	--	--	--	--	--
Virginia	1,863	1,903	-2.1	1,863	1,903	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**5,389**	**6,238**	**-13.6**	**5,389**	**6,238**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	2,633	3,582	-26.5	2,633	3,582	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	904	912	-.9	904	912	--	--	--	--	--	--
Tennessee	1,852	1,743	6.2	1,852	1,743	--	--	--	--	--	--
West South Central	**5,804**	**5,058**	**14.7**	**2,868**	**2,044**	**2,936**	**3,014**	**--**	**--**	**--**	**--**
Arkansas	1,343	1,348	-.4	1,343	1,348	--	--	--	--	--	--
Louisiana	1,525	696	119.0	1,525	696	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,936	3,014	-2.6	--	--	2,936	3,014	--	--	--	--
Mountain	**2,483**	**1,909**	**30.1**	**2,483**	**1,909**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	2,483	1,909	30.1	2,483	1,909	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**2,794**	**2,731**	**2.3**	**2,794**	**2,731**	**--**	**--**	**--**	**--**	**--**	**--**
California	1,997	2,118	-5.7	1,997	2,118	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	798	613	30.1	798	613	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**62,655**	**59,069**	**6.1**	**32,112**	**29,344**	**30,543**	**29,725**	**--**	**--**	**--**	**--**

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.12.B. Net Generation from Nuclear Energy by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**34,935**	**33,717**	**3.6**	**--**	**--**	**34,935**	**33,717**	**--**	**--**	**--**	**--**
Connecticut	15,222	15,445	-1.4	--	--	15,222	15,445	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	5,415	4,887	10.8	--	--	5,415	4,887	--	--	--	--
New Hampshire	9,983	8,491	17.6	--	--	9,983	8,491	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	4,315	4,894	-11.8	--	--	4,315	4,894	--	--	--	--
Middle Atlantic	**138,418**	**141,541**	**-2.2**	**--**	**--**	**138,418**	**141,541**	**--**	**--**	**--**	**--**
New Jersey	29,889	31,175	-4.1	--	--	29,889	31,175	--	--	--	--
New York	37,950	39,598	-4.2	--	--	37,950	39,598	--	--	--	--
Pennsylvania	70,580	70,768	-.3	--	--	70,580	70,768	--	--	--	--
East North Central	**141,009**	**131,406**	**7.3**	**21,519**	**13,811**	**119,489**	**117,595**	**--**	**--**	**--**	**--**
Illinois	87,475	86,920	.6	--	--	87,475	86,920	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	27,160	19,325	40.5	21,519	13,811	5,641	5,514	--	--	--	--
Ohio	14,182	13,574	4.5	--	--	14,182	13,574	--	--	--	--
Wisconsin	12,191	11,586	5.2	--	--	12,191	11,586	--	--	--	--
West North Central	**43,354**	**41,345**	**4.9**	**39,207**	**37,119**	**4,146**	**4,226**	**--**	**--**	**--**	**--**
Iowa	4,146	4,226	-1.9	--	--	4,146	4,226	--	--	--	--
Kansas	8,782	7,880	11.5	8,782	7,880	--	--	--	--	--	--
Minnesota	12,230	11,156	9.6	12,230	11,156	--	--	--	--	--	--
Missouri	8,073	9,320	-13.4	8,073	9,320	--	--	--	--	--	--
Nebraska	10,122	8,763	15.5	10,122	8,763	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**172,795**	**179,699**	**-3.8**	**160,111**	**166,458**	**12,684**	**13,241**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	21,700	26,846	-19.2	21,700	26,846	--	--	--	--	--	--
Georgia	30,547	28,838	5.9	30,547	28,838	--	--	--	--	--	--
Maryland	12,684	13,241	-4.2	--	--	12,684	13,241	--	--	--	--
North Carolina	36,913	37,014	-.3	36,913	37,014	--	--	--	--	--	--
South Carolina	47,003	48,008	-2.1	47,003	48,008	--	--	--	--	--	--
Virginia	23,948	25,751	-7.0	23,948	25,751	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**68,260**	**70,393**	**-3.0**	**68,260**	**70,393**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	34,255	35,949	-4.7	34,255	35,949	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	8,712	10,071	-13.5	8,712	10,071	--	--	--	--	--	--
Tennessee	25,293	24,372	3.8	25,293	24,372	--	--	--	--	--	--
West South Central	**68,153**	**66,809**	**2.0**	**30,662**	**29,158**	**37,491**	**37,651**	**--**	**--**	**--**	**--**
Arkansas	13,634	13,853	-1.6	13,634	13,853	--	--	--	--	--	--
Louisiana	17,028	15,306	11.3	17,028	15,306	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	37,491	37,651	-.4	--	--	37,491	37,651	--	--	--	--
Mountain	**28,222**	**28,172**	**.2**	**28,222**	**28,172**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	28,222	28,172	.2	28,222	28,172	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**38,139**	**35,063**	**8.8**	**38,139**	**35,063**	**--**	**--**	**--**	**--**	**--**	**--**
California	29,706	29,263	1.5	29,706	29,263	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	8,433	5,800	45.4	8,433	5,800	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**733,285**	**728,144**	**.7**	**386,121**	**380,173**	**347,164**	**347,972**	**--**	**--**	**--**	**--**

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**640**	**690**	**-7.3**	**88**	**102**	**484**	**528**	**NM**	**1**	**68**	**59**
Connecticut	NM	39	--	NM	3	NM	35	--	--	--	--
Maine	288	279	3.3	--	--	223	223	--	--	65	56
Massachusetts	85	118	-28.3	NM	28	67	89	NM	1	NM	1
New Hampshire	144	142	1.2	37	35	107	107	--	--	NM	1
Rhode Island	NM	*	--	--	--	NM	*	--	--	--	--
Vermont	92	112	-17.8	NM	36	59	74	--	--	NM	2
Middle Atlantic	**2,310**	**2,550**	**-9.4**	**1,877**	**1,991**	**428**	**552**	**NM**	*****	**NM**	**7**
New Jersey	2	3	-27.9	--	--	NM	3	--	--	--	--
New York	2,123	2,335	-9.1	1,790	1,901	327	427	NM	*	NM	7
Pennsylvania	186	212	-12.3	86	89	99	122	--	--	--	--
East North Central	**317**	**348**	**-9.1**	**288**	**316**	**NM**	**20**	**NM**	*****	**NM**	**13**
Illinois	NM	10	--	NM	3	NM	7	--	--	--	--
Indiana	44	43	2.4	44	43	--	--	--	--	--	--
Michigan	103	98	4.6	94	88	NM	8	--	--	NM	2
Ohio	46	63	-26.4	46	63	--	--	--	--	--	--
Wisconsin	117	134	-12.7	101	118	NM	5	NM	*	NM	11
West North Central	**1,106**	**752**	**47.1**	**1,082**	**714**	**NM**	**20**	**--**	**--**	**NM**	**17**
Iowa	NM	70	--	NM	69	NM	1	--	--	--	--
Kansas	NM	1	--	--	--	NM	1	--	--	--	--
Minnesota	62	104	-40.3	NM	68	NM	18	--	--	NM	17
Missouri	39	231	-83.0	39	231	--	--	--	--	--	--
Nebraska	NM	31	--	NM	31	--	--	--	--	--	--
North Dakota	255	116	118.8	255	116	--	--	--	--	--	--
South Dakota	647	199	225.4	647	199	--	--	--	--	--	--
South Atlantic	**964**	**1,871**	**-48.5**	**753**	**1,624**	**192**	**208**	**NM**	**2**	**18**	**36**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	24	--	NM	24	--	--	--	--	--	--
Georgia	191	340	-44.0	190	339	NM	*	--	--	NM	1
Maryland	141	146	-3.9	--	--	141	146	--	--	--	--
North Carolina	302	714	-57.7	300	709	NM	4	NM	2	NM	*
South Carolina	123	375	-67.2	120	366	NM	9	NM	*	--	--
Virginia	102	155	-34.0	97	146	NM	8	--	--	NM	1
West Virginia	92	116	-20.3	NM	40	42	42	--	--	17	34
East South Central	**1,327**	**2,943**	**-54.9**	**1,326**	**2,942**	**NM**	**1**	**--**	**--**	**--**	**--**
Alabama	541	1,495	-63.8	541	1,495	--	--	--	--	--	--
Kentucky	157	248	-37.0	156	248	NM	1	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	629	1,200	-47.6	629	1,200	--	--	--	--	--	--
West South Central	**310**	**991**	**-68.7**	**274**	**870**	**36**	**121**	**--**	**--**	**--**	**--**
Arkansas	129	303	-57.4	126	300	NM	4	--	--	--	--
Louisiana	30	110	-73.0	--	--	30	110	--	--	--	--
Oklahoma	102	426	-76.0	102	426	--	--	--	--	--	--
Texas	48	151	-67.9	46	144	NM	7	--	--	--	--
Mountain	**2,234**	**1,819**	**22.8**	**1,920**	**1,545**	**314**	**273**	**--**	**--**	**--**	**--**
Arizona	622	431	44.3	622	431	--	--	--	--	--	--
Colorado	112	10	NM	98	9	NM	1	--	--	--	--
Idaho	571	398	43.4	534	380	NM	17	--	--	--	--
Montana	674	627	7.4	413	376	260	251	--	--	--	--
Nevada	142	225	-37.0	139	222	NM	3	--	--	--	--
New Mexico	NM	17	--	NM	17	--	--	--	--	--	--
Utah	66	51	28.3	65	51	NM	1	--	--	--	--
Wyoming	27	59	-54.6	27	59	--	--	--	--	--	--
Pacific Contiguous	**10,106**	**8,894**	**13.6**	**9,983**	**8,812**	**117**	**79**	**NM**	**3**	**NM**	*****
California	2,148	1,238	73.5	2,062	1,188	85	50	NM	*	--	--
Oregon	2,560	2,442	4.8	2,541	2,424	NM	18	--	--	--	--
Washington	5,398	5,214	3.5	5,381	5,200	NM	11	4	3	NM	*
Pacific Noncontiguous	**113**	**151**	**-24.7**	**107**	**139**	**NM**	**7**	**--**	**--**	**NM**	**5**
Alaska	105	135	-22.5	105	135	--	--	--	--	--	--
Hawaii	NM	15	--	NM	4	NM	7	--	--	NM	5
U.S. Total	**19,425**	**21,008**	**-7.5**	**17,698**	**19,056**	**1,604**	**1,809**	**7**	**6**	**117**	**137**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**7,155**	**8,228**	**-13.0**	**913**	**1,086**	**5,576**	**6,408**	**NM**	**6**	**661**	**728**
Connecticut	395	461	-14.3	NM	38	363	423	--	--	--	--
Maine	3,335	3,832	-13.0	--	--	2,708	3,142	--	--	627	690
Massachusetts	937	1,079	-13.1	215	256	710	809	NM	6	NM	8
New Hampshire	1,338	1,512	-11.5	291	364	1,040	1,140	--	--	NM	8
Rhode Island	NM	4	--	--	--	NM	4	--	--	--	--
Vermont	1,146	1,339	-14.4	374	428	752	889	--	--	NM	23
Middle Atlantic	**24,980**	**27,547**	**-9.3**	**19,894**	**21,587**	**5,021**	**5,842**	**NM**	**4**	**62**	**113**
New Jersey	27	29	-6.5	--	--	NM	29	--	--	--	--
New York	22,867	25,147	-9.1	18,971	20,574	3,830	4,455	NM	4	62	113
Pennsylvania	2,086	2,371	-12.0	923	1,013	1,163	1,358	--	--	--	--
East North Central	**3,352**	**3,664**	**-8.5**	**3,003**	**3,295**	**198**	**241**	**NM**	*****	**150**	**128**
Illinois	100	126	-20.5	37	42	63	84	--	--	--	--
Indiana	405	470	-13.9	405	470	--	--	--	--	--	--
Michigan	1,152	1,282	-10.1	1,045	1,153	88	106	--	--	NM	23
Ohio	423	490	-13.7	423	490	--	--	--	--	--	--
Wisconsin	1,272	1,297	-2.0	1,094	1,141	47	51	NM	*	130	105
West North Central	**10,490**	**9,184**	**14.2**	**10,233**	**8,909**	**144**	**152**	**--**	**--**	**113**	**123**
Iowa	753	897	-16.1	746	889	NM	7	--	--	--	--
Kansas	NM	12	--	--	--	NM	12	--	--	--	--
Minnesota	684	742	-7.8	444	486	128	133	--	--	113	123
Missouri	1,471	1,714	-14.2	1,471	1,714	--	--	--	--	--	--
Nebraska	412	400	2.8	412	400	--	--	--	--	--	--
North Dakota	1,874	1,334	40.4	1,874	1,334	--	--	--	--	--	--
South Dakota	5,287	4,085	29.4	5,287	4,085	--	--	--	--	--	--
South Atlantic	**13,837**	**13,454**	**2.8**	**11,410**	**10,682**	**1,935**	**2,195**	**NM**	**13**	**481**	**564**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	165	177	-6.3	165	177	--	--	--	--	--	--
Georgia	3,076	2,710	13.5	3,062	2,700	NM	3	--	--	NM	6
Maryland	1,458	1,659	-12.1	--	--	1,458	1,659	--	--	--	--
North Carolina	4,256	4,487	-5.2	4,219	4,448	NM	26	NM	12	NM	2
South Carolina	2,225	1,728	28.7	2,178	1,688	45	40	NM	1	--	--
Virginia	1,425	1,230	15.9	1,360	1,161	57	60	--	--	NM	9
West Virginia	1,232	1,463	-15.8	425	508	346	408	--	--	461	547
East South Central	**17,871**	**22,537**	**-20.7**	**17,864**	**22,528**	**NM**	**9**	**--**	**--**	**--**	**--**
Alabama	8,224	10,631	-22.6	8,224	10,631	--	--	--	--	--	--
Kentucky	2,265	2,982	-24.0	2,257	2,973	NM	9	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	7,383	8,925	-17.3	7,383	8,925	--	--	--	--	--	--
West South Central	**8,376**	**8,982**	**-6.7**	**7,251**	**7,776**	**1,125**	**1,206**	**--**	**--**	**--**	**--**
Arkansas	3,583	3,621	-1.1	3,540	3,576	42	45	--	--	--	--
Louisiana	1,048	1,123	-6.7	--	--	1,048	1,123	--	--	--	--
Oklahoma	2,766	3,381	-18.2	2,766	3,381	--	--	--	--	--	--
Texas	979	857	14.3	944	819	35	38	--	--	--	--
Mountain	**28,402**	**30,348**	**-6.4**	**24,438**	**26,126**	**3,964**	**4,221**	**--**	**--**	**--**	**--**
Arizona	6,040	5,885	2.6	6,040	5,885	--	--	--	--	--	--
Colorado	1,630	1,756	-7.2	1,486	1,608	143	148	--	--	--	--
Idaho	8,453	9,945	-15.0	7,774	9,225	678	721	--	--	--	--
Montana	8,332	8,593	-3.0	5,225	5,280	3,106	3,313	--	--	--	--
Nevada	2,008	2,257	-11.1	1,979	2,225	NM	32	--	--	--	--
New Mexico	230	250	-7.7	230	250	--	--	--	--	--	--
Utah	722	770	-6.2	715	762	NM	8	--	--	--	--
Wyoming	988	891	10.9	988	891	--	--	--	--	--	--
Pacific Contiguous	**118,177**	**123,497**	**-4.3**	**116,419**	**121,665**	**1,696**	**1,789**	**61**	**42**	**NM**	**2**
California	30,564	26,597	14.9	29,207	25,174	1,340	1,423	NM	*	--	--
Oregon	27,309	30,126	-9.4	27,095	29,905	213	221	--	--	--	--
Washington	60,304	66,774	-9.7	60,116	66,586	142	145	44	41	NM	2
Pacific Noncontiguous	**1,301**	**1,274**	**2.1**	**1,246**	**1,193**	**NM**	**47**	**--**	**--**	**NM**	**34**
Alaska	1,224	1,166	5.0	1,224	1,166	--	--	--	--	--	--
Hawaii	77	109	-29.1	NM	28	NM	47	--	--	NM	34
U.S. Total	**233,940**	**248,715**	**-5.9**	**212,671**	**224,848**	**19,691**	**22,110**	**81**	**64**	**1,498**	**1,693**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.14.A. Net Generation from Other Renewables by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**677**	**687**	**-1.4**	**56**	**38**	**466**	**468**	**10**	**9**	**145**	**171**
Connecticut	63	64	-.5	--	--	63	64	--	--	--	--
Maine	345	384	-10.1	--	--	190	203	10	9	145	171
Massachusetts	111	97	14.6	NM	1	110	96	NM	*	--	--
New Hampshire	107	105	2.3	32	28	75	77	--	--	NM	*
Rhode Island	12	12	2.8	--	--	12	12	--	--	--	--
Vermont	38	26	49.8	23	9	15	17	--	--	--	--
Middle Atlantic	**972**	**825**	**17.7**	**NM**	**--**	**875**	**728**	**34**	**34**	**63**	**63**
New Jersey	83	74	12.4	NM	--	70	61	13	12	--	--
New York	508	376	35.1	--	--	478	345	10	11	20	20
Pennsylvania	381	376	1.4	--	--	328	322	10	11	43	43
East North Central	**1,605**	**1,169**	**37.2**	**113**	**99**	**1,346**	**898**	**NM**	**24**	**140**	**149**
Illinois	661	406	62.7	NM	*	660	406	NM	*	--	--
Indiana	421	251	67.8	22	27	395	220	NM	2	NM	2
Michigan	228	242	-5.8	--	*	170	166	NM	18	57	59
Ohio	55	56	-1.6	NM	2	21	19	--	--	32	35
Wisconsin	240	215	11.8	88	70	99	87	NM	4	49	53
West North Central	**2,841**	**2,127**	**33.6**	**762**	**580**	**2,029**	**1,495**	**NM**	**4**	**46**	**47**
Iowa	1,080	776	39.2	528	380	547	391	NM	2	3	2
Kansas	362	278	30.1	77	54	285	224	--	--	--	--
Minnesota	711	569	25.1	85	72	584	453	NM	1	42	44
Missouri	140	77	82.1	3	2	136	74	--	--	NM	*
Nebraska	44	47	-5.1	23	25	20	20	NM	1	--	--
North Dakota	417	339	23.0	47	46	370	292	--	--	NM	1
South Dakota	87	42	109.3	NM	1	87	41	--	--	--	--
South Atlantic	**1,300**	**1,201**	**8.2**	**86**	**63**	**433**	**353**	**26**	**21**	**754**	**764**
Delaware	8	9	-3.0	--	--	8	9	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	378	362	4.4	9	9	197	178	NM	3	169	172
Georgia	260	259	.1	*	--	2	5	NM	2	256	253
Maryland	50	38	30.5	--	--	33	23	NM	2	13	13
North Carolina	172	121	42.5	NM	*	57	25	--	--	115	96
South Carolina	153	151	1.4	35	28	2	2	--	2	116	119
Virginia	190	194	-2.2	42	27	44	44	17	12	86	112
West Virginia	89	67	32.6	--	*	89	68	--	--	--	--
East South Central	**505**	**481**	**5.2**	**8**	**7**	**30**	**28**	**--**	**--**	**467**	**445**
Alabama	254	246	3.0	NM	*	22	22	--	--	232	225
Kentucky	28	11	162.3	8	7	--	--	--	--	20	4
Mississippi	139	137	1.6	--	--	1	--	--	--	139	137
Tennessee	84	86	-2.8	--	*	7	7	--	--	77	79
West South Central	**3,597**	**2,482**	**44.9**	**39**	**31**	**3,149**	**2,086**	**NM**	**3**	**407**	**361**
Arkansas	142	132	7.7	--	--	5	4	NM	*	136	127
Louisiana	205	203	.6	--	--	6	6	--	--	198	198
Oklahoma	424	286	48.2	38	31	366	238	--	--	20	17
Texas	2,827	1,861	51.9	NM	*	2,772	1,839	NM	3	52	19
Mountain	**1,436**	**1,144**	**25.6**	**210**	**190**	**1,182**	**910**	**NM**	*****	**44**	**44**
Arizona	22	20	11.4	2	3	20	17	NM	*	--	--
Colorado	345	283	21.7	7	5	338	278	--	--	--	--
Idaho	118	81	44.7	--	--	82	47	--	--	36	34
Montana	109	140	-22.5	7	11	94	120	--	--	8	10
Nevada	192	177	8.7	--	*	192	176	--	--	NM	--
New Mexico	184	135	36.0	--	--	184	135	--	--	--	--
Utah	51	44	15.4	20	24	31	20	--	--	--	--
Wyoming	416	263	58.3	174	147	242	116	--	--	--	--
Pacific Contiguous	**2,995**	**2,593**	**15.5**	**412**	**376**	**2,346**	**1,999**	**43**	**42**	**193**	**176**
California	2,110	1,820	15.9	138	110	1,873	1,624	42	41	58	46
Oregon	338	294	15.1	36	37	261	221	NM	1	40	35
Washington	547	479	14.3	239	229	213	154	--	--	95	95
Pacific Noncontiguous	**58**	**66**	**-13.2**	**NM**	**1**	**45**	**49**	**10**	**15**	**NM**	**1**
Alaska	NM	2	--	NM	1	--	--	--	--	NM	*
Hawaii	56	65	-13.7	*	--	45	49	10	15	NM	1
U.S. Total	**15,987**	**12,775**	**25.1**	**1,688**	**1,385**	**11,900**	**9,015**	**138**	**153**	**2,261**	**2,222**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other renewables include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.14.B. Net Generation from Other Renewables by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**7,687**	**7,016**	**9.6**	**581**	**518**	**5,200**	**4,888**	**105**	**99**	**1,801**	**1,511**
Connecticut	701	696	.7	--	--	701	696	--	--	--	--
Maine	4,113	3,568	15.3	--	--	2,212	1,963	102	94	1,799	1,511
Massachusetts	1,169	1,122	4.2	12	5	1,153	1,113	4	4	--	--
New Hampshire	1,143	1,107	3.3	313	304	829	802	--	--	NM	1
Rhode Island	128	132	-3.0	--	--	128	132	--	--	--	--
Vermont	433	391	10.6	256	209	177	182	--	--	--	--
Middle Atlantic	**9,111**	**7,776**	**17.2**	**NM**	**--**	**8,058**	**6,693**	**366**	**361**	**686**	**722**
New Jersey	889	874	1.8	NM	--	734	718	155	156	--	--
New York	4,521	3,976	13.7	--	--	4,178	3,606	111	107	231	263
Pennsylvania	3,701	2,926	26.5	--	--	3,146	2,369	100	98	455	460
East North Central	**13,018**	**9,540**	**36.5**	**984**	**982**	**10,307**	**6,881**	**169**	**203**	**1,559**	**1,474**
Illinois	4,790	3,044	57.3	10	3	4,779	3,041	NM	1	*	*
Indiana	2,836	1,409	101.3	231	238	2,567	1,131	19	19	20	21
Michigan	2,562	2,372	8.0	NM	*	1,821	1,665	110	145	630	561
Ohio	599	574	4.3	16	12	239	200	--	--	344	362
Wisconsin	2,232	2,141	4.2	727	729	901	844	39	39	564	529
West North Central	**23,602**	**19,544**	**20.8**	**6,205**	**5,113**	**16,855**	**13,919**	**42**	**43**	**500**	**469**
Iowa	8,119	6,846	18.6	3,985	3,288	4,074	3,516	23	23	37	20
Kansas	3,189	2,549	25.1	747	570	2,442	1,979	--	--	--	--
Minnesota	6,397	6,115	4.6	751	623	5,194	5,053	7	7	445	432
Missouri	886	507	74.9	32	46	848	454	--	--	6	6
Nebraska	436	410	6.2	239	243	184	154	12	13	--	--
North Dakota	3,803	2,739	38.8	446	333	3,346	2,395	--	--	11	11
South Dakota	772	378	104.5	NM	10	767	368	--	--	--	--
South Atlantic	**13,839**	**13,324**	**3.9**	**856**	**832**	**4,508**	**4,261**	**265**	**265**	**8,211**	**7,967**
Delaware	122	117	4.8	--	--	122	117	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,084	3,931	3.9	111	88	2,102	2,055	36	36	1,835	1,752
Georgia	2,851	2,558	11.5	*	--	24	25	19	19	2,808	2,515
Maryland	539	507	6.2	--	--	348	333	42	29	149	145
North Carolina	1,829	1,721	6.3	6	2	622	571	--	--	1,201	1,148
South Carolina	1,638	1,624	.8	356	345	22	24	--	21	1,260	1,235
Virginia	1,948	2,211	-11.9	382	397	441	480	167	159	958	1,174
West Virginia	828	656	26.2	--	-1	828	657	--	--	--	--
East South Central	**5,502**	**5,316**	**3.5**	**90**	**94**	**302**	**297**	**--**	**--**	**5,109**	**4,925**
Alabama	2,795	2,815	-.7	NM	2	238	225	--	--	2,556	2,589
Kentucky	418	328	27.6	90	92	--	--	--	--	328	236
Mississippi	1,389	1,305	6.4	--	--	1	--	--	--	1,389	1,305
Tennessee	900	868	3.7	NM	*	64	72	--	--	836	795
West South Central	**31,833**	**25,037**	**27.1**	**327**	**334**	**27,160**	**20,749**	**33**	**33**	**4,313**	**3,921**
Arkansas	1,491	1,463	1.9	--	--	57	48	NM	2	1,432	1,414
Louisiana	2,151	2,167	-.7	--	--	65	60	--	--	2,086	2,106
Oklahoma	3,629	2,597	39.8	325	333	3,095	2,057	--	--	209	206
Texas	24,561	18,810	30.6	NM	1	23,942	18,584	31	32	586	194
Mountain	**12,582**	**10,038**	**25.3**	**1,717**	**1,253**	**10,399**	**8,334**	**3**	**3**	**463**	**448**
Arizona	275	175	57.1	29	30	242	142	3	3	--	--
Colorado	3,123	2,937	6.3	60	54	3,062	2,883	--	--	--	--
Idaho	925	775	19.3	--	--	553	412	--	--	372	363
Montana	943	823	14.6	64	61	791	678	--	--	89	84
Nevada	2,159	1,616	33.6	--	1	2,157	1,615	--	--	NM	--
New Mexico	1,661	1,437	15.6	--	--	1,661	1,437	--	--	--	--
Utah	691	422	63.9	252	254	440	168	--	--	--	--
Wyoming	2,805	1,853	51.3	1,312	855	1,493	999	--	--	--	--
Pacific Contiguous	**35,072**	**32,526**	**7.8**	**4,566**	**4,190**	**27,820**	**25,957**	**462**	**453**	**2,223**	**1,926**
California	24,520	23,676	3.6	1,529	1,346	21,897	21,261	445	436	650	633
Oregon	4,562	4,121	10.7	576	642	3,457	3,032	18	17	512	430
Washington	5,990	4,729	26.7	2,461	2,202	2,467	1,663	--	--	1,061	864
Pacific Noncontiguous	**677**	**676**	**.1**	**12**	**7**	**492**	**489**	**157**	**164**	**16**	**16**
Alaska	18	13	43.5	12	7	--	--	--	--	6	6
Hawaii	658	663	-.7	*	*	492	489	157	164	9	10
U.S. Total	**152,923**	**130,793**	**16.9**	**15,337**	**13,323**	**111,102**	**92,467**	**1,603**	**1,624**	**24,881**	**23,379**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other renewables include wood, black liquor, other wood waste,biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**-21**	**-43**	**51.7**	**--**	**--**	**-21**	**-43**	**--**	**--**	**--**	**--**
Connecticut	3	1	225.1	--	--	3	1	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-24	-44	46.5	--	--	-24	-44	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**-86**	**-105**	**17.9**	**-37**	**-54**	**-49**	**-51**	**--**	**--**	**--**	**--**
New Jersey	-9	-12	24.6	-9	-12	--	--	--	--	--	--
New York	-28	-41	31.9	-28	-41	--	--	--	--	--	--
Pennsylvania	-49	-51	5.0	--	--	-49	-51	--	--	--	--
East North Central	**-77**	**-73**	**-5.9**	**-77**	**-73**	**--**	**--**	**--**	**--**	**--**	**--**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-77	-73	-5.9	-77	-73	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	**36**	**79**	**-54.6**	**36**	**79**	**--**	**--**	**--**	**--**	**--**	**--**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	36	79	-54.6	36	79	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**-174**	**-124**	**-40.5**	**-174**	**-124**	**--**	**--**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	11	30	-63.4	11	30	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-61	-52	-16.5	-61	-52	--	--	--	--	--	--
Virginia	-124	-102	-22.2	-124	-102	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**-43**	**-5**	**-690.9**	**-43**	**-5**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-43	-5	-690.9	-43	-5	--	--	--	--	--	--
West South Central	**1**	**-11**	**112.7**	**1**	**-11**	**--**	**--**	**--**	**--**	**--**	**--**
Arkansas	*	*	--	*	*	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	2	-11	113.9	2	-11	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	**-25**	**1**	**NM**	**-25**	**1**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	-8	2	-501.9	-8	2	--	--	--	--	--	--
Colorado	-18	-1	NM	-18	-1	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**-39**	**-48**	**18.2**	**-39**	**-48**	**--**	**--**	**--**	**--**	**--**	**--**
California	-48	-48	-1.5	-48	-48	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	9	*	--	9	*	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**-429**	**-330**	**-30.1**	**-359**	**-235**	**-70**	**-94**	**--**	**--**	**--**	**--**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**-259**	**-475**	**45.4**	**--**	**--**	**-259**	**-475**	**--**	**--**	**--**	**--**
Connecticut	3	2	120.2	--	--	3	2	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-263	-476	44.9	--	--	-263	-476	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**-913**	**-1,313**	**30.5**	**-656**	**-634**	**-257**	**-679**	**--**	**--**	**--**	**--**
New Jersey	-173	-187	7.4	-173	-187	--	--	--	--	--	--
New York	-482	-447	-7.9	-482	-447	--	--	--	--	--	--
Pennsylvania	-257	-679	62.2	--	--	-257	-679	--	--	--	--
East North Central	**-934**	**-779**	**-19.8**	**-934**	**-779**	**--**	**--**	**--**	**--**	**--**	**--**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-934	-779	-19.8	-934	-779	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	**838**	**535**	**56.5**	**838**	**535**	**--**	**--**	**--**	**--**	**--**	**--**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	838	535	56.5	838	535	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**-2,032**	**-1,939**	**-4.8**	**-2,032**	**-1,939**	**--**	**--**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	225	176	27.7	225	176	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	43	--	--	43	--	--	--	--	--	--
South Carolina	-880	-934	5.7	-880	-934	--	--	--	--	--	--
Virginia	-1,377	-1,225	-12.4	-1,377	-1,225	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**-219**	**-580**	**62.3**	**-219**	**-580**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-219	-580	62.3	-219	-580	--	--	--	--	--	--
West South Central	**-143**	**-8**	**NM**	**-143**	**-8**	**--**	**--**	**--**	**--**	**--**	**--**
Arkansas	-1	100	-100.5	-1	100	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-142	-108	-31.4	-142	-108	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	**118**	**62**	**91.0**	**118**	**62**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	219	169	29.4	219	169	--	--	--	--	--	--
Colorado	-101	-108	5.9	-101	-108	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**-18**	**253**	**-107.2**	**-18**	**253**	**--**	**--**	**--**	**--**	**--**	**--**
California	-64	213	-129.9	-64	213	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	46	40	14.8	46	40	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**-3,561**	**-4,244**	**16.1**	**-3,045**	**-3,090**	**-516**	**-1,154**	**--**	**--**	**--**	**--**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.16.A. Net Generation from Other Energy Sources by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**159**	**153**	**3.9**	**--**	**--**	**144**	**138**	**8**	**7**	**8**	**8**
Connecticut	58	59	-2.3	--	--	57	58	--	--	NM	1
Maine	28	29	-1.6	--	--	14	15	8	7	7	7
Massachusetts	68	60	13.5	--	--	68	60	--	--	--	--
New Hampshire	5	5	-4.4	--	--	5	5	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**206**	**182**	**13.0**	**--**	**--**	**179**	**153**	**27**	**27**	**--**	**3**
New Jersey	44	44	-.1	--	--	34	32	10	10	--	3
New York	82	70	16.8	--	--	73	61	8	9	--	--
Pennsylvania	80	68	17.5	--	--	72	60	8	8	--	--
East North Central	**68**	**77**	**-12.3**	**4**	**5**	**24**	**19**	**NM**	**15**	**37**	**37**
Illinois	7	5	50.6	--	--	6	1	--	--	1	4
Indiana	31	29	5.4	--	--	--	--	NM	1	29	28
Michigan	24	36	-35.0	3	3	18	17	NM	14	2	2
Ohio	1	2	-28.1	--	--	--	1	--	--	1	1
Wisconsin	4	4	-5.2	2	2	--	--	--	--	NM	2
West North Central	**34**	**32**	**4.9**	**19**	**16**	**8**	**10**	**NM**	**2**	**NM**	**4**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	30	26	17.6	16	9	8	10	NM	2	NM	4
Missouri	4	4	1.3	3	3	--	--	1	*	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	3	--	--	3	--	--	--	--	--	--
South Atlantic	**280**	**295**	**-4.9**	**--**	**--**	**153**	**137**	**14**	**10**	**113**	**147**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	209	230	-9.2	--	--	103	97	--	--	105	134
Georgia	1	3	-61.3	--	--	--	--	--	--	1	3
Maryland	24	16	46.1	--	--	24	16	NM	--	--	--
North Carolina	NM	6	--	--	--	NM	*	--	--	--	5
South Carolina	6	6	3.9	--	--	--	--	--	1	6	5
Virginia	38	33	14.8	--	--	24	24	14	9	--	*
West Virginia	--	*	--	--	--	--	--	--	--	--	*
East South Central	**NM**	**35**	**--**	**--**	**--**	**--**	*****	**--**	**--**	**NM**	**35**
Alabama	*	33	--	--	--	--	--	--	--	*	33
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	NM	1	--	--	--	--	*	--	--	NM	1
Tennessee	*	*	--	--	--	--	--	--	--	*	*
West South Central	**66**	**79**	**-17.3**	**10**	*****	**--**	**--**	**--**	**--**	**55**	**79**
Arkansas	2	2	-20.0	--	--	--	--	--	--	2	2
Louisiana	23	46	-49.2	--	--	--	--	--	--	23	46
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	40	31	30.6	10	*	--	--	--	--	30	30
Mountain	**46**	**35**	**31.7**	**--**	**--**	**27**	**8**	**--**	**--**	**18**	**27**
Arizona	1	*	--	--	--	1	*	--	--	--	--
Colorado	NM	4	--	--	--	--	1	--	--	NM	3
Idaho	--	5	--	--	--	--	--	--	--	--	5
Montana	26	6	377.2	--	--	26	6	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	16	17	-5.0	--	--	NM	*	--	--	15	16
Wyoming	--	3	--	--	--	--	--	--	--	--	3
Pacific Contiguous	**58**	**83**	**-29.9**	**--**	**--**	**29**	**24**	**--**	**--**	**30**	**59**
California	49	75	-34.4	--	--	20	16	--	--	30	59
Oregon	NM	3	--	--	--	NM	3	--	--	--	1
Washington	6	5	7.2	--	--	6	5	--	--	--	--
Pacific Noncontiguous	**9**	**29**	**-69.5**	**--**	**16**	**1**	*****	**8**	**12**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	9	29	-69.5	--	16	1	*	8	12	--	--
U.S. Total	**926**	**1,000**	**-7.4**	**34**	**38**	**566**	**490**	**60**	**73**	**266**	**399**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other energy sources include non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.16.B. Net Generation from Other Energy Sources by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**1,762**	**1,702**	**3.5**	**--**	**--**	**1,617**	**1,574**	**74**	**73**	**71**	**55**
Connecticut	663	651	1.9	--	--	651	639	--	--	12	12
Maine	335	303	10.5	--	--	202	186	74	73	59	43
Massachusetts	710	695	2.1	--	--	710	695	--	--	--	--
New Hampshire	54	53	1.3	--	--	54	53	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**2,055**	**2,031**	**1.2**	**--**	**--**	**1,769**	**1,722**	**286**	**281**	**--**	**27**
New Jersey	461	475	-2.9	--	--	342	328	119	120	--	27
New York	835	807	3.4	--	--	747	723	88	84	--	--
Pennsylvania	759	749	1.4	--	--	680	672	79	77	--	--
East North Central	**897**	**765**	**17.3**	**47**	**58**	**315**	**171**	**99**	**127**	**436**	**410**
Illinois	56	59	-5.1	--	--	44	18	--	--	12	41
Indiana	352	318	10.7	--	--	--	--	14	15	338	303
Michigan	305	316	-3.4	25	29	177	153	85	111	18	23
Ohio	105	12	791.8	--	--	94	1	--	--	11	11
Wisconsin	80	61	31.5	22	29	--	--	--	--	57	32
West North Central	**343**	**321**	**7.0**	**178**	**175**	**85**	**75**	**32**	**25**	**48**	**46**
Iowa	--	*	--	--	*	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	312	267	16.8	152	125	85	75	28	22	48	46
Missouri	30	26	18.2	26	23	--	--	5	3	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	27	--	--	27	--	--	--	--	--	--
South Atlantic	**3,169**	**3,432**	**-7.7**	*****	*****	**1,715**	**1,653**	**132**	**142**	**1,322**	**1,637**
Delaware	--	6	--	--	--	--	--	--	--	--	6
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,399	2,488	-3.6	--	--	1,146	1,133	--	--	1,253	1,355
Georgia	15	21	-28.2	--	--	--	--	--	--	15	21
Maryland	249	237	5.0	--	--	248	237	NM	--	--	--
North Carolina	78	207	-62.0	--	--	78	20	--	--	--	186
South Carolina	54	85	-36.3	--	--	--	--	--	17	54	68
Virginia	373	388	-3.9	--	--	242	262	131	125	--	1
West Virginia	*	*	--	*	*	--	--	--	--	--	*
East South Central	**28**	**368**	**-92.3**	**14**	**13**	**--**	**2**	**--**	**--**	**15**	**353**
Alabama	3	344	-99.2	--	--	--	--	--	--	3	344
Kentucky	14	13	8.6	14	13	--	--	--	--	--	--
Mississippi	10	11	-12.2	--	--	--	2	--	--	10	9
Tennessee	2	1	297.1	--	--	--	--	--	--	2	1
West South Central	**872**	**711**	**22.6**	**64**	**3**	**--**	**--**	**--**	**--**	**808**	**708**
Arkansas	27	21	24.2	--	--	--	--	--	--	27	21
Louisiana	366	411	-11.0	--	--	--	--	--	--	366	411
Oklahoma	--	2	--	--	--	--	--	--	--	--	2
Texas	480	277	73.1	64	3	--	--	--	--	416	274
Mountain	**452**	**446**	**1.4**	**--**	**--**	**267**	**121**	**--**	**--**	**185**	**325**
Arizona	13	1	861.6	--	--	13	1	--	--	--	--
Colorado	31	49	-35.5	--	--	--	16	--	--	31	33
Idaho	--	66	--	--	--	--	--	--	--	--	66
Montana	250	99	151.8	--	--	250	99	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	157	178	-11.5	--	--	NM	4	--	--	153	173
Wyoming	--	52	--	--	--	--	--	--	--	--	52
Pacific Contiguous	**646**	**785**	**-17.8**	**--**	**--**	**303**	**278**	**--**	**--**	**343**	**508**
California	551	688	-19.9	--	--	208	188	--	--	343	500
Oregon	34	42	-20.2	--	--	34	35	--	--	--	8
Washington	61	55	10.5	--	--	61	55	--	--	--	--
Pacific Noncontiguous	**131**	**352**	**-62.8**	**--**	**199**	**8**	**25**	**123**	**129**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	131	352	-62.8	--	199	8	25	123	129	--	--
U.S. Total	**10,355**	**10,914**	**-5.1**	**303**	**448**	**6,079**	**5,620**	**746**	**777**	**3,226**	**4,069**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other energy sources include non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.17.A. Net Generation from Wind by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**66**	**46**	**43.3**	**NM**	**2**	**64**	**45**	**--**	*****	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	57	38	49.2	--	--	57	38	--	--	--	--
Massachusetts	NM	1	--	NM	1	NM	--	--	*	--	--
New Hampshire	6	6	1.0	--	--	6	6	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	1	1	3.6	1	1	--	--	--	--	--	--
Middle Atlantic	**506**	**383**	**32.2**	**--**	**--**	**506**	**383**	**--**	**--**	**--**	**--**
New Jersey	NM	2	--	--	--	NM	2	--	--	--	--
New York	323	202	59.6	--	--	323	202	--	--	--	--
Pennsylvania	181	178	1.4	--	--	181	178	--	--	--	--
East North Central	**1,154**	**667**	**73.1**	**67**	**49**	**1,087**	**617**	**--**	**--**	**--**	**--**
Illinois	593	329	80.2	NM	*	592	329	--	--	--	--
Indiana	395	220	79.9	--	--	395	220	--	--	--	--
Michigan	38	22	70.8	--	--	38	22	--	--	--	--
Ohio	NM	2	--	NM	2	--	--	--	--	--	--
Wisconsin	126	94	34.1	65	47	61	47	--	--	--	--
West North Central	**2,661**	**1,943**	**36.9**	**713**	**536**	**1,948**	**1,407**	**--**	**--**	**--**	**--**
Iowa	1,065	760	40.1	526	377	539	383	--	--	--	--
Kansas	362	278	30.1	77	54	285	224	--	--	--	--
Minnesota	557	411	35.5	45	36	512	375	--	--	--	--
Missouri	136	74	84.8	--	--	136	74	--	--	--	--
Nebraska	39	41	-6.0	19	21	20	20	--	--	--	--
North Dakota	416	338	23.0	47	46	370	292	--	--	--	--
South Dakota	87	41	110.8	NM	*	87	41	--	--	--	--
South Atlantic	**90**	**68**	**32.7**	**--**	**--**	**90**	**68**	**--**	**--**	**--**	**--**
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	89	68	31.9	--	--	89	68	--	--	--	--
East South Central	**5**	**3**	**37.8**	**--**	**--**	**5**	**3**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	5	3	37.8	--	--	5	3	--	--	--	--
West South Central	**3,141**	**2,071**	**51.7**	**39**	**31**	**3,102**	**2,040**	**--**	**--**	**--**	**--**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	404	269	50.2	38	31	366	238	--	--	--	--
Texas	2,737	1,802	51.9	NM	*	2,736	1,802	--	--	--	--
Mountain	**1,145**	**860**	**33.1**	**188**	**162**	**957**	**698**	**--**	**--**	**--**	**--**
Arizona	13	8	59.6	--	--	13	8	--	--	--	--
Colorado	338	277	22.0	7	5	332	272	--	--	--	--
Idaho	68	34	102.5	--	--	68	34	--	--	--	--
Montana	101	130	-22.8	7	11	94	120	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	181	133	36.7	--	--	181	133	--	--	--	--
Utah	28	15	82.4	--	--	28	15	--	--	--	--
Wyoming	416	263	58.3	174	147	242	116	--	--	--	--
Pacific Contiguous	**1,087**	**802**	**35.5**	**270**	**254**	**817**	**549**	**--**	**--**	**--**	**--**
California	434	235	84.5	42	20	393	215	--	--	--	--
Oregon	266	233	14.4	30	33	236	200	--	--	--	--
Washington	387	334	15.7	199	201	188	133	--	--	--	--
Pacific Noncontiguous	**20**	**32**	**-37.0**	**NM**	**1**	**19**	**31**	**--**	**--**	**--**	**--**
Alaska	NM	1	--	NM	1	--	--	--	--	--	--
Hawaii	19	31	-38.4	--	--	19	31	--	--	--	--
U.S. Total	**9,875**	**6,875**	**43.6**	**1,280**	**1,035**	**8,594**	**5,840**	**--**	*****	**--**	**--**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.17.B. Net Generation from Wind by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**505**	**341**	**48.2**	**24**	**15**	**480**	**325**	**NM**	*****	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	420	268	56.6	--	--	420	268	--	--	--	--
Massachusetts	16	5	198.7	12	5	NM	--	NM	*	--	--
New Hampshire	57	57	-.2	--	--	57	57	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	12	10	20.4	12	10	--	--	--	--	--	--
Middle Atlantic	**4,156**	**2,823**	**47.2**	**--**	**--**	**4,156**	**2,823**	**--**	**--**	**--**	**--**
New Jersey	19	18	5.1	--	--	19	18	--	--	--	--
New York	2,493	1,964	26.9	--	--	2,493	1,964	--	--	--	--
Pennsylvania	1,644	841	95.5	--	--	1,644	841	--	--	--	--
East North Central	**7,937**	**4,767**	**66.5**	**511**	**514**	**7,426**	**4,253**	**--**	**--**	**--**	**--**
Illinois	4,062	2,409	68.6	10	3	4,052	2,406	--	--	--	--
Indiana	2,567	1,131	126.9	--	--	2,567	1,131	--	--	--	--
Michigan	309	257	19.9	--	--	309	257	--	--	--	--
Ohio	14	12	13.4	14	12	--	--	--	--	--	--
Wisconsin	986	957	3.0	488	499	499	458	--	--	--	--
West North Central	**21,698**	**17,729**	**22.4**	**5,702**	**4,721**	**15,996**	**13,008**	**--**	**--**	**--**	**--**
Iowa	7,948	6,694	18.7	3,960	3,263	3,988	3,431	--	--	--	--
Kansas	3,189	2,549	25.1	747	570	2,442	1,979	--	--	--	--
Minnesota	4,774	4,594	3.9	349	351	4,425	4,243	--	--	--	--
Missouri	848	442	91.8	--	--	848	442	--	--	--	--
Nebraska	375	349	7.3	195	200	180	150	--	--	--	--
North Dakota	3,791	2,728	39.0	446	333	3,346	2,395	--	--	--	--
South Dakota	772	372	107.4	NM	5	767	368	--	--	--	--
South Atlantic	**829**	**657**	**26.3**	**--**	**--**	**829**	**657**	**--**	**--**	**--**	**--**
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	828	657	26.0	--	--	828	657	--	--	--	--
East South Central	**36**	**46**	**-20.4**	**--**	*****	**36**	**45**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	36	46	-20.4	--	*	36	45	--	--	--	--
West South Central	**27,002**	**20,637**	**30.8**	**327**	**334**	**26,675**	**20,303**	**--**	**--**	**--**	**--**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	3,420	2,390	43.1	325	333	3,095	2,057	--	--	--	--
Texas	23,581	18,247	29.2	NM	1	23,579	18,246	--	--	--	--
Mountain	**9,254**	**7,278**	**27.1**	**1,435**	**969**	**7,820**	**6,310**	**--**	**--**	**--**	**--**
Arizona	112	20	461.9	--	--	112	20	--	--	--	--
Colorado	3,037	2,860	6.2	59	53	2,978	2,807	--	--	--	--
Idaho	404	275	46.8	--	--	404	275	--	--	--	--
Montana	854	739	15.6	64	61	791	678	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	1,631	1,406	16.0	--	--	1,631	1,406	--	--	--	--
Utah	411	125	229.6	--	--	411	125	--	--	--	--
Wyoming	2,805	1,853	51.3	1,312	855	1,493	999	--	--	--	--
Pacific Contiguous	**14,157**	**12,452**	**13.7**	**3,140**	**2,863**	**11,016**	**9,589**	**--**	**--**	**--**	**--**
California	6,133	5,669	8.2	508	298	5,626	5,371	--	--	--	--
Oregon	3,696	3,371	9.6	519	588	3,177	2,783	--	--	--	--
Washington	4,327	3,412	26.8	2,113	1,977	2,214	1,435	--	--	--	--
Pacific Noncontiguous	**239**	**250**	**-4.5**	**12**	**7**	**227**	**244**	**--**	**--**	**--**	**--**
Alaska	12	7	80.4	12	7	--	--	--	--	--	--
Hawaii	227	244	-6.9	--	*	227	244	--	--	--	--
U.S. Total	**85,814**	**66,980**	**28.1**	**11,151**	**9,424**	**74,662**	**57,556**	**1**	*****	**--**	**--**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.18.A. Net Generation from Biomass by State by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**611**	**640**	**-4.6**	**54**	**36**	**402**	**424**	**10**	**9**	**145**	**171**
Connecticut	63	64	-.5	--	--	63	64	--	--	--	--
Maine	288	345	-16.7	--	--	133	165	10	9	145	171
Massachusetts	109	96	13.4	--	--	109	96	--	*	--	--
New Hampshire	101	99	2.4	32	28	69	70	--	--	NM	*
Rhode Island	12	12	2.8	--	--	12	12	--	--	--	--
Vermont	37	25	51.7	22	8	15	17	--	--	--	--
Middle Atlantic	**464**	**442**	**5.0**	**--**	**--**	**367**	**344**	**34**	**34**	**63**	**63**
New Jersey	79	71	11.8	--	--	66	59	13	12	--	--
New York	185	173	6.5	--	--	155	142	10	11	20	20
Pennsylvania	200	197	1.3	--	--	146	144	10	11	43	43
East North Central	**449**	**503**	**-10.7**	**45**	**49**	**257**	**281**	**NM**	**24**	**140**	**149**
Illinois	67	77	-13.2	--	--	67	77	NM	*	--	--
Indiana	25	31	-18.1	22	27	--	--	NM	2	NM	2
Michigan	190	220	-13.4	--	*	132	144	NM	18	57	59
Ohio	52	54	-3.6	--	--	20	19	--	--	32	35
Wisconsin	114	121	-5.4	24	23	38	41	NM	4	49	53
West North Central	**180**	**183**	**-1.9**	**49**	**45**	**81**	**88**	**NM**	**4**	**46**	**47**
Iowa	15	16	-2.4	2	3	8	9	NM	2	3	2
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	155	158	-2.1	40	36	72	78	NM	1	42	44
Missouri	4	3	17.3	3	2	--	1	--	--	NM	*
Nebraska	6	6	1.7	4	4	NM	*	NM	1	--	--
North Dakota	NM	1	--	--	--	--	--	--	--	NM	1
South Dakota	--	*	--	--	*	--	--	--	--	--	--
South Atlantic	**1,202**	**1,130**	**6.4**	**80**	**60**	**341**	**285**	**26**	**21**	**754**	**764**
Delaware	8	9	-8.9	--	--	8	9	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	371	359	3.4	4	6	195	178	NM	3	169	172
Georgia	260	259	.1	*	--	2	5	NM	2	256	253
Maryland	50	38	30.5	--	--	33	23	NM	2	13	13
North Carolina	171	120	42.1	*	*	57	24	--	--	115	96
South Carolina	153	151	1.4	35	28	2	2	--	2	116	119
Virginia	190	194	-2.2	42	27	44	44	17	12	86	112
West Virginia	--	*	--	--	*	--	--	--	--	--	--
East South Central	**501**	**477**	**4.9**	**8**	**7**	**25**	**25**	**--**	**--**	**467**	**445**
Alabama	254	246	3.0	NM	*	22	22	--	--	232	225
Kentucky	28	11	162.3	8	7	--	--	--	--	20	4
Mississippi	139	137	1.6	--	--	1	--	--	--	139	137
Tennessee	79	83	-4.4	--	*	3	3	--	--	77	79
West South Central	**455**	**411**	**10.7**	**--**	**--**	**45**	**47**	**NM**	**3**	**407**	**361**
Arkansas	142	132	7.7	--	--	5	4	NM	*	136	127
Louisiana	205	203	.6	--	--	6	6	--	--	198	198
Oklahoma	20	17	15.6	--	--	--	--	--	--	20	17
Texas	89	59	50.5	--	--	34	37	NM	3	52	19
Mountain	**69**	**73**	**-5.8**	**2**	**2**	**23**	**27**	**NM**	*****	**44**	**44**
Arizona	9	11	-21.5	2	2	7	9	NM	*	--	--
Colorado	NM	5	--	NM	--	NM	5	--	--	--	--
Idaho	42	40	3.7	--	--	6	6	--	--	36	34
Montana	8	10	-18.3	--	--	--	--	--	--	8	10
Nevada	--	*	--	--	*	--	--	--	--	--	--
New Mexico	NM	3	--	--	--	NM	3	--	--	--	--
Utah	3	4	-35.3	--	--	3	4	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**763**	**708**	**7.7**	**66**	**50**	**460**	**440**	**43**	**42**	**193**	**176**
California	531	503	5.5	20	18	410	399	42	41	58	46
Oregon	72	61	18.1	5	4	25	21	NM	1	40	35
Washington	160	144	11.0	40	28	25	21	--	--	95	95
Pacific Noncontiguous	**19**	**17**	**8.9**	*****	**--**	**8**	**1**	**10**	**15**	**NM**	**1**
Alaska	NM	*	--	--	--	--	--	--	--	NM	*
Hawaii	18	17	8.4	*	--	8	1	10	15	NM	1
U.S. Total	**4,712**	**4,586**	**2.8**	**305**	**249**	**2,009**	**1,962**	**137**	**153**	**2,261**	**2,222**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Biomass includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other miscellaneous biomass. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.18.B. Net Generation from Biomass by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**7,182**	**6,675**	**7.6**	**557**	**503**	**4,720**	**4,563**	**105**	**98**	**1,801**	**1,511**
Connecticut	701	696	.7	--	--	701	696	--	--	--	--
Maine	3,693	3,300	11.9	--	--	1,792	1,695	102	94	1,799	1,511
Massachusetts	1,153	1,117	3.2	--	--	1,150	1,113	3	4	--	--
New Hampshire	1,086	1,050	3.5	313	304	772	745	--	--	NM	1
Rhode Island	128	132	-3.0	--	--	128	132	--	--	--	--
Vermont	421	381	10.4	244	199	177	182	--	--	--	--
Middle Atlantic	**4,919**	**4,939**	**-.4**	**--**	**--**	**3,867**	**3,856**	**366**	**361**	**686**	**722**
New Jersey	843	846	-.3	--	--	688	690	155	156	--	--
New York	2,027	2,012	.8	--	--	1,685	1,642	111	107	231	263
Pennsylvania	2,049	2,082	-1.6	--	--	1,494	1,524	100	98	455	460
East North Central	**5,035**	**4,773**	**5.5**	**470**	**468**	**2,838**	**2,628**	**169**	**203**	**1,559**	**1,474**
Illinois	708	636	11.3	--	--	707	635	NM	1	*	*
Indiana	270	277	-2.8	231	238	--	--	19	19	20	21
Michigan	2,253	2,114	6.6	NM	*	1,513	1,408	110	145	630	561
Ohio	559	562	-.5	--	--	215	200	--	--	344	362
Wisconsin	1,246	1,184	5.2	240	230	403	386	39	39	564	529
West North Central	**1,903**	**1,814**	**4.9**	**503**	**392**	**859**	**911**	**42**	**43**	**500**	**469**
Iowa	171	152	12.2	25	25	86	85	23	23	37	20
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	1,623	1,521	6.7	401	272	769	810	7	7	445	432
Missouri	39	65	-40.4	32	46	--	12	--	--	6	6
Nebraska	61	61	.0	44	43	4	4	12	13	--	--
North Dakota	11	11	3.9	--	--	--	--	--	--	11	11
South Dakota	--	5	--	--	5	--	--	--	--	--	--
South Atlantic	**12,904**	**12,656**	**2.0**	**787**	**825**	**3,642**	**3,599**	**265**	**265**	**8,211**	**7,967**
Delaware	120	117	3.1	--	--	120	117	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,991	3,924	1.7	48	81	2,072	2,055	36	36	1,835	1,752
Georgia	2,851	2,558	11.5	*	--	24	25	19	19	2,808	2,515
Maryland	539	507	6.2	--	--	348	333	42	29	149	145
North Carolina	1,817	1,716	5.9	1	2	615	567	--	--	1,201	1,148
South Carolina	1,638	1,624	.8	356	345	22	24	--	21	1,260	1,235
Virginia	1,948	2,211	-11.9	382	397	441	480	167	159	958	1,174
West Virginia	--	-1	--	--	-1	--	--	--	--	--	--
East South Central	**5,466**	**5,270**	**3.7**	**90**	**94**	**266**	**252**	**--**	**--**	**5,109**	**4,925**
Alabama	2,795	2,815	-.7	NM	2	238	225	--	--	2,556	2,589
Kentucky	418	328	27.6	90	92	--	--	--	--	328	236
Mississippi	1,389	1,305	6.4	--	--	1	--	--	--	1,389	1,305
Tennessee	864	822	5.0	NM	*	27	27	--	--	836	795
West South Central	**4,830**	**4,400**	**9.8**	**--**	**--**	**483**	**446**	**33**	**33**	**4,313**	**3,921**
Arkansas	1,491	1,463	1.9	--	--	57	48	NM	2	1,432	1,414
Louisiana	2,151	2,167	-.7	--	--	65	60	--	--	2,086	2,106
Oklahoma	209	206	1.3	--	--	--	--	--	--	209	206
Texas	979	564	73.6	--	--	362	338	31	32	586	194
Mountain	**783**	**785**	**-.3**	**18**	**18**	**301**	**316**	**3**	**3**	**461**	**448**
Arizona	146	142	3.2	16	17	127	122	3	3	--	--
Colorado	53	52	3.5	NM	*	52	51	--	--	--	--
Idaho	436	433	.7	--	--	63	69	--	--	372	363
Montana	89	84	5.3	--	--	--	--	--	--	89	84
Nevada	--	1	--	--	1	--	--	--	--	--	--
New Mexico	30	31	-1.7	--	--	30	31	--	--	--	--
Utah	29	43	-33.8	--	--	29	43	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**8,316**	**7,718**	**7.7**	**609**	**495**	**5,022**	**4,844**	**461**	**453**	**2,223**	**1,926**
California	5,787	5,651	2.4	205	216	4,490	4,366	443	436	650	633
Oregon	866	750	15.4	56	54	280	249	18	17	512	430
Washington	1,662	1,317	26.2	348	225	253	228	--	--	1,061	864
Pacific Noncontiguous	**254**	**271**	**-6.0**	*****	**--**	**82**	**91**	**157**	**164**	**16**	**16**
Alaska	6	6	2.4	--	--	--	--	--	--	6	6
Hawaii	248	265	-6.2	*	--	82	91	157	164	9	10
U.S. Total	**51,593**	**49,303**	**4.6**	**3,033**	**2,794**	**22,081**	**21,505**	**1,601**	**1,624**	**24,879**	**23,379**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Biomass includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other miscellaneous biomass. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.19.A. Net Generation from Geothermal by Census Division by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Mountain	**205**	**200**	**2.8**	**20**	**24**	**185**	**175**	**--**	**--**	**--**	**--**
Idaho	8	8	5.9	--	--	8	8	--	--	--	--
Nevada	177	168	5.6	--	--	177	168	--	--	--	--
Utah	20	24	-17.9	20	24	--	--	--	--	--	--
Pacific Contiguous	**1,109**	**1,057**	**5.0**	**73**	**72**	**1,036**	**985**	**--**	**--**	**--**	**--**
California	1,109	1,057	5.0	73	72	1,036	985	--	--	--	--
Pacific Noncontiguous	**18**	**17**	**8.7**	**--**	**--**	**18**	**17**	**--**	**--**	**--**	**--**
Hawaii	18	17	8.7	--	--	18	17	--	--	--	--
U.S. Total	**1,333**	**1,273**	**4.7**	**93**	**96**	**1,240**	**1,177**	**--**	**--**	**--**	**--**

Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have geothermal plants are shown. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.19.B. Net Generation from Geothermal by Census Division by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
Mountain	**2,282**	**1,767**	**29.2**	**252**	**254**	**2,030**	**1,513**	**--**	**--**	**--**	**--**
Idaho	85	68	26.1	--	--	85	68	--	--	--	--
Nevada	1,945	1,445	34.6	--	--	1,945	1,445	--	--	--	--
Utah	252	254	-.7	252	254	--	--	--	--	--	--
Pacific Contiguous	**11,791**	**11,721**	**.6**	**770**	**827**	**11,021**	**10,893**	**--**	**--**	**--**	**--**
California	11,791	11,721	.6	770	827	11,021	10,893	--	--	--	--
Pacific Noncontiguous	**182**	**154**	**18.2**	**--**	**--**	**182**	**154**	**--**	**--**	**--**	**--**
Hawaii	182	154	18.2	--	--	182	154	--	--	--	--
U.S. Total	**14,254**	**13,641**	**4.5**	**1,021**	**1,081**	**13,233**	**12,560**	**--**	**--**	**--**	**--**

Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have geothermal plants are shown. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.20.A. Net Generation from Solar by Census Division by Sector, November 2010 and 2009
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**NM**	**NM**	**--**	**NM**	**NM**	**--**	**--**	**NM**	*****	**--**	**--**
Massachusetts	NM	NM	--	NM	NM	--	--	NM	*	--	--
Middle Atlantic	**2**	**1**	**120.6**	**NM**	**--**	**2**	**1**	**--**	**--**	**--**	**--**
New Jersey	NM	1	--	NM	--	NM	1	--	--	--	--
Pennsylvania	NM	*	--	--	--	NM	*	--	--	--	--
East North Central	**2**	**--**	**--**	**NM**	**--**	**2**	**--**	**--**	**--**	**--**	**--**
Illinois	NM	--	--	--	--	NM	--	--	--	--	--
Ohio	NM	--	--	NM	--	NM	--	--	--	--	--
South Atlantic	**8**	**3**	**125.1**	**6**	**3**	**2**	*****	**--**	**--**	**--**	**--**
Florida	7	3	115.6	5	3	NM	--	--	--	--	--
North Carolina	NM	*	--	NM	--	NM	*	--	--	--	--
West South Central	**NM**	**--**	**--**	**--**	**--**	**NM**	**--**	**--**	**--**	**--**	**--**
Texas	NM	--	--	--	--	NM	--	--	--	--	--
Mountain	**17**	**11**	**58.4**	**1**	**1**	**16**	**10**	**--**	**--**	**NM**	**--**
Arizona	1	1	-2.4	1	1	NM	--	--	--	--	--
Colorado	1	1	10.4	--	--	1	1	--	--	--	--
Nevada	15	8	73.5	--	--	15	8	--	--	NM	--
Pacific Contiguous	**36**	**25**	**43.0**	**3**	*****	**34**	**25**	**NM**	**--**	**--**	**--**
California	36	25	43.0	3	*	34	25	NM	--	--	--
Pacific Noncontiguous	**NM**	*****	**--**	**--**	**--**	**NM**	*****	**--**	**--**	**--**	**--**
Hawaii	NM	*	--	--	--	NM	*	--	--	--	--
U.S. Total	**67**	**40**	**64.8**	**10**	**4**	**57**	**36**	*****	*****	*****	**--**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have solar plants are shown. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 1.20.B. Net Generation from Solar by Census Division by Sector, Year-to-Date through November 2010 and 2009
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**NM**	*****	**--**	**NM**	**--**	**--**	**--**	**NM**	*****	**--**	**--**
Massachusetts	NM	*	--	NM	--	--	--	NM	*	--	--
Middle Atlantic	**36**	**14**	**157.4**	**NM**	**--**	**35**	**14**	**--**	**--**	**--**	**--**
New Jersey	28	10	166.3	NM	--	27	10	--	--	--	--
Pennsylvania	8	3	130.8	--	--	8	3	--	--	--	--
East North Central	**46**	**--**	**--**	**NM**	**--**	**43**	**--**	**--**	**--**	**--**	**--**
Illinois	20	--	--	--	--	20	--	--	--	--	--
Ohio	26	--	--	NM	--	24	--	--	--	--	--
South Atlantic	**106**	**12**	**816.3**	**69**	**7**	**36**	**4**	**--**	**--**	**--**	**--**
Florida	93	7	NM	64	7	29	--	--	--	--	--
North Carolina	13	4	181.8	6	--	7	4	--	--	--	--
West South Central	**NM**	**--**	**--**	**--**	**--**	**NM**	**--**	**--**	**--**	**--**	**--**
Texas	NM	--	--	--	--	NM	--	--	--	--	--
Mountain	**263**	**208**	**26.3**	**13**	**13**	**248**	**195**	**--**	**--**	**NM**	**--**
Arizona	16	13	22.1	13	13	3	--	--	--	--	--
Colorado	32	25	31.0	--	--	32	25	--	--	--	--
Nevada	214	170	25.9	--	--	212	170	--	--	NM	--
Pacific Contiguous	**809**	**635**	**27.3**	**47**	**4**	**761**	**631**	**NM**	**--**	**--**	**--**
California	809	635	27.3	47	4	761	631	NM	--	--	--
Pacific Noncontiguous	**2**	**1**	**18.5**	**--**	**--**	**2**	**1**	**--**	**--**	**--**	**--**
Hawaii	2	1	18.5	--	--	2	1	--	--	--	--
U.S. Total	**1,262**	**870**	**45.0**	**132**	**25**	**1,126**	**845**	**1**	*****	**2**	**--**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have solar plants are shown. • Percent difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Chapter 2. Consumption of Fossil Fuels

Table 2.1.A. Coal: Consumption for Electricity Generation by Sector, 1996 through November 2010
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**907,209**	**874,681**	**19,719**	**656**	**12,153**
1997	**931,949**	**900,361**	**18,648**	**630**	**12,311**
1998	**946,295**	**910,867**	**23,259**	**440**	**11,728**
1999	**949,802**	**894,120**	**43,768**	**481**	**11,432**
2000	**994,933**	**859,335**	**123,378**	**514**	**11,706**
2001	**972,691**	**806,269**	**155,254**	**532**	**10,636**
2002	**987,583**	**767,803**	**207,448**	**477**	**11,855**
2003	**1,014,058**	**757,384**	**245,652**	**582**	**10,440**
2004	**1,020,523**	**772,224**	**240,235**	**377**	**7,687**
2005	**1,041,448**	**761,349**	**272,218**	**377**	**7,504**
2006	**1,030,556**	**753,390**	**269,412**	**347**	**7,408**
2007	**1,046,795**	**764,765**	**276,581**	**361**	**5,089**
2008					
January	94,532	69,124	24,961	33	414
February	86,702	62,923	23,378	31	371
March	83,373	59,671	23,233	25	444
April	76,924	56,466	19,999	25	433
May	81,248	60,866	19,897	28	457
June	89,532	65,603	23,454	35	441
July	98,194	71,829	25,865	36	464
August	95,752	70,200	25,063	34	455
September	85,545	62,384	22,693	32	435
October	80,186	57,481	22,248	28	428
November	80,993	58,593	22,008	29	362
December	89,353	65,187	23,766	32	369
Total	**1,042,335**	**760,326**	**276,565**	**369**	**5,075**
2009					
January	90,639	66,535	23,688	32	384
February	74,256	54,408	19,485	28	334
March	71,990	53,064	18,520	25	382
April	67,209	49,581	17,250	22	356
May	70,508	52,633	17,472	22	381
June	79,071	59,827	18,809	24	412
July	84,360	63,066	20,850	28	415
August	86,789	64,759	21,563	30	437
September	73,705	55,923	17,365	26	391
October	74,686	55,597	18,635	24	430
November	73,150	54,755	18,012	26	357
December	88,320	65,468	22,427	30	396
Total	**934,683**	**695,615**	**234,077**	**317**	**4,674**
2010					
January	90,716	67,205	22,829	34	647
February	80,053	59,241	20,148	30	633
March	76,548	56,294	19,498	26	730
April	67,090	50,054	16,597	22	417
May	76,123	56,823	18,562	24	714
June	87,451	64,853	21,891	28	678
July	94,992	69,918	24,287	30	757
August	94,767	69,838	24,080	30	819
September	79,350	58,197	20,486	26	641
October	71,161	51,466	19,024	24	648
November	72,643	52,915	19,220	21	487
Total	**890,894**	**656,803**	**226,624**	**295**	**7,171**
Year-to-Date					
2008	952,981	695,140	252,799	336	4,706
2009	846,363	630,148	211,650	286	4,279
2010	890,894	656,803	226,624	295	7,171
Rolling 12 Months Ending in November					
2009	935,716	695,334	235,416	319	4,647
2010	979,214	722,270	249,051	325	7,567

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.1.B. Coal: Consumption for Useful Thermal Output by Sector, 1996 through November 2010
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**20,806**	--	**2,520**	**1,005**	**17,281**
1997	**21,005**	--	**2,355**	**1,108**	**17,542**
1998	**20,320**	--	**2,493**	**1,002**	**16,824**
1999	**20,373**	--	**3,033**	**1,009**	**16,330**
2000	**20,466**	--	**3,107**	**1,034**	**16,325**
2001	**18,944**	--	**2,910**	**916**	**15,119**
2002	**17,676**	--	**2,255**	**971**	**14,450**
2003	**17,720**	--	**2,080**	**1,234**	**14,406**
2004	**24,275**	--	**3,809**	**1,540**	**18,926**
2005	**23,833**	--	**3,918**	**1,544**	**18,371**
2006	**23,227**	--	**3,834**	**1,539**	**17,854**
2007	**22,810**	--	**3,795**	**1,566**	**17,449**
2008					
January	2,078	--	375	164	1,539
February	1,955	--	325	151	1,479
March	1,897	--	312	151	1,435
April	1,776	--	288	118	1,370
May	1,810	--	293	116	1,401
June	1,764	--	291	142	1,331
July	1,877	--	338	133	1,407
August	1,847	--	327	134	1,386
September	1,768	--	298	123	1,348
October	1,733	--	253	121	1,359
November	1,777	--	282	137	1,358
December	1,885	--	307	163	1,416
Total	**22,168**	--	**3,689**	**1,652**	**16,827**
2009					
January	2,002	--	416	177	1,410
February	1,782	--	360	151	1,271
March	1,819	--	365	144	1,310
April	1,529	--	293	106	1,131
May	1,584	--	320	95	1,169
June	1,618	--	318	112	1,189
July	1,680	--	326	110	1,244
August	1,683	--	313	113	1,257
September	1,599	--	278	101	1,220
October	1,633	--	288	104	1,240
November	1,686	--	297	125	1,264
December	1,892	--	361	144	1,387
Total	**20,507**	--	**3,935**	**1,481**	**15,091**
2010					
January	1,948	--	384	160	1,404
February	1,818	--	365	140	1,314
March	1,825	--	347	129	1,349
April	1,671	--	326	103	1,242
May	1,651	--	336	101	1,215
June	1,715	--	353	110	1,252
July	1,819	--	371	114	1,335
August	1,833	--	363	126	1,344
September	1,732	--	349	116	1,266
October	1,696	--	348	109	1,239
November	1,748	--	344	115	1,289
Total	**19,456**	--	**3,885**	**1,323**	**14,248**
Year-to-Date					
2008	20,283	--	3,382	1,490	15,411
2009	18,615	--	3,573	1,338	13,704
2010	19,456	--	3,885	1,323	14,248
Rolling 12 Months Ending in November					
2009	20,500	--	3,880	1,500	15,120
2010	21,348	--	4,246	1,466	15,636

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1996 through November 2010
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**928,015**	**874,681**	**22,239**	**1,660**	**29,434**
1997	**952,955**	**900,361**	**21,003**	**1,738**	**29,853**
1998	**966,615**	**910,867**	**25,752**	**1,443**	**28,553**
1999	**970,175**	**894,120**	**46,801**	**1,490**	**27,763**
2000	**1,015,398**	**859,335**	**126,486**	**1,547**	**28,031**
2001	**991,635**	**806,269**	**158,163**	**1,448**	**25,755**
2002	**1,005,144**	**767,803**	**209,703**	**1,405**	**26,232**
2003	**1,031,778**	**757,384**	**247,732**	**1,816**	**24,846**
2004	**1,044,798**	**772,224**	**244,044**	**1,917**	**26,613**
2005	**1,065,281**	**761,349**	**276,135**	**1,922**	**25,875**
2006	**1,053,783**	**753,390**	**273,246**	**1,886**	**25,262**
2007	**1,069,606**	**764,765**	**280,377**	**1,927**	**22,537**
2008					
January	96,610	69,124	25,336	197	1,954
February	88,657	62,923	23,703	181	1,850
March	85,270	59,671	23,545	176	1,879
April	78,700	56,466	20,287	144	1,803
May	83,058	60,866	20,190	145	1,857
June	91,296	65,603	23,744	177	1,772
July	100,072	71,829	26,203	169	1,871
August	97,599	70,200	25,390	168	1,841
September	87,314	62,384	22,991	155	1,783
October	81,919	57,481	22,501	150	1,787
November	82,770	58,593	22,290	166	1,721
December	91,239	65,187	24,073	195	1,784
Total	**1,064,503**	**760,326**	**280,254**	**2,021**	**21,902**
2009					
January	92,641	66,535	24,105	208	1,793
February	76,038	54,408	19,846	178	1,605
March	73,810	53,064	18,884	170	1,692
April	68,738	49,581	17,543	128	1,487
May	72,092	52,633	17,792	117	1,550
June	80,689	59,827	19,127	135	1,600
July	86,039	63,066	21,177	137	1,659
August	88,471	64,759	21,876	143	1,694
September	75,305	55,923	17,643	127	1,611
October	76,319	55,597	18,923	129	1,671
November	74,836	54,755	18,308	151	1,622
December	90,212	65,468	22,788	174	1,783
Total	**955,190**	**695,615**	**238,012**	**1,798**	**19,766**
2010					
January	92,663	67,205	23,213	195	2,051
February	81,871	59,241	20,513	170	1,947
March	78,373	56,294	19,845	156	2,079
April	68,761	50,054	16,923	126	1,659
May	77,775	56,823	18,898	125	1,929
June	89,165	64,853	22,244	138	1,930
July	96,811	69,918	24,658	143	2,092
August	96,600	69,838	24,443	156	2,163
September	81,081	58,197	20,835	142	1,907
October	72,857	51,466	19,372	132	1,887
November	74,391	52,915	19,564	136	1,776
Total	**910,349**	**656,803**	**230,509**	**1,618**	**21,420**
Year-to-Date					
2008	973,264	695,140	256,181	1,826	20,117
2009	864,978	630,148	215,224	1,624	17,982
2010	910,349	656,803	230,509	1,618	21,420
Rolling 12 Months Ending in November					
2009	956,216	695,334	239,297	1,819	19,767
2010	1,000,562	722,270	253,297	1,792	23,203

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation by Sector, 1996 through November 2010
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**128,019**	**113,274**	**4,560**	**639**	**9,546**
1997	**139,286**	**125,146**	**6,053**	**784**	**7,304**
1998	**198,339**	**178,614**	**10,838**	**795**	**8,092**
1999	**185,111**	**143,830**	**32,479**	**927**	**7,875**
2000	**176,506**	**120,129**	**48,043**	**816**	**7,518**
2001	**197,316**	**126,367**	**62,211**	**991**	**7,746**
2002	**134,415**	**88,595**	**39,035**	**826**	**5,959**
2003	**175,136**	**105,319**	**61,420**	**882**	**7,514**
2004	**165,107**	**103,793**	**56,342**	**760**	**4,212**
2005	**165,137**	**98,223**	**62,154**	**580**	**4,180**
2006	**73,821**	**53,529**	**17,179**	**327**	**2,786**
2007	**82,433**	**56,910**	**22,793**	**250**	**2,480**
2008					
January	5,292	3,222	1,863	22	186
February	4,160	2,683	1,308	17	152
March	3,539	2,434	943	9	153
April	3,754	2,934	706	8	107
May	3,938	3,151	675	9	102
June	6,311	4,510	1,684	13	103
July	5,091	3,631	1,336	18	107
August	4,303	3,423	775	11	94
September	5,019	3,992	876	8	143
October	3,286	2,639	547	9	92
November	3,670	2,809	756	13	93
December	5,482	3,569	1,684	23	206
Total	**53,846**	**38,995**	**13,152**	**160**	**1,538**
2009					
January	8,339	4,402	3,648	53	237
February	3,873	2,562	1,069	22	220
March	3,542	2,335	1,022	12	174
April	2,694	2,138	403	12	141
May	3,472	2,868	439	11	154
June	3,464	2,916	411	7	130
July	3,585	2,957	508	9	112
August	4,144	3,153	858	14	119
September	2,745	2,299	331	9	106
October	3,047	2,590	370	10	77
November	2,187	1,749	347	10	81
December	2,467	1,879	473	15	100
Total	**43,559**	**31,847**	**9,880**	**184**	**1,649**
2010					
January	5,540	4,352	1,063	12	113
February	2,066	1,565	418	11	72
March	2,121	1,748	309	10	53
April	1,958	1,594	303	9	52
May	3,140	2,564	490	14	72
June	4,540	3,689	744	17	90
July	5,252	3,557	1,580	20	96
August	4,271	3,246	935	15	75
September	2,894	2,188	627	13	66
October	2,058	1,622	357	10	70
November	1,999	1,498	433	7	60
Total	**35,839**	**27,622**	**7,260**	**138**	**818**
Year-to-Date					
2008	48,364	35,427	11,468	137	1,332
2009	41,092	29,968	9,406	169	1,550
2010	35,839	27,622	7,260	138	818
Rolling 12 Months Ending in November					
2009	46,574	33,536	11,090	192	1,756
2010	38,306	29,501	7,734	153	918

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output by Sector, 1996 through November 2010
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**21,500**	--	**1,550**	**588**	**19,363**
1997	**18,756**	--	**1,611**	**779**	**16,366**
1998	**22,164**	--	**806**	**992**	**20,366**
1999	**19,636**	--	**785**	**666**	**18,184**
2000	**17,644**	--	**812**	**771**	**16,061**
2001	**14,963**	--	**576**	**809**	**13,577**
2002	**12,452**	--	**286**	**555**	**11,612**
2003	**14,124**	--	**1,197**	**512**	**12,414**
2004	**20,654**	--	**1,501**	**1,203**	**17,951**
2005	**20,494**	--	**1,392**	**1,004**	**18,097**
2006	**14,077**	--	**1,153**	**559**	**12,365**
2007	**13,462**	--	**1,303**	**441**	**11,718**
2008					
January	981	--	118	80	782
February	717	--	79	48	589
March	678	--	115	19	543
April	562	--	110	12	440
May	549	--	109	11	429
June	568	--	99	47	422
July	542	--	100	75	367
August	501	--	118	26	357
September	475	--	103	13	358
October	479	--	108	12	360
November	554	--	122	31	401
December	928	--	128	87	713
Total	**7,533**	--	**1,311**	**461**	**5,762**
2009					
January	1,153	--	213	117	823
February	828	--	116	42	669
March	730	--	106	19	606
April	628	--	103	13	512
May	853	--	102	9	742
June	621	--	85	7	529
July	564	--	88	10	466
August	526	--	91	16	419
September	544	--	87	5	453
October	508	--	109	7	392
November	525	--	99	18	408
December	650	--	103	30	517
Total	**8,131**	--	**1,301**	**293**	**6,536**
2010					
January	709	--	105	23	581
February	459	--	79	16	364
March	326	--	49	15	262
April	313	--	89	12	211
May	485	--	97	22	366
June	595	--	94	24	477
July	606	--	95	36	475
August	539	--	96	29	414
September	425	--	93	17	315
October	420	--	99	14	307
November	381	--	131	13	237
Total	**5,258**	--	**1,026**	**221**	**4,011**
Year-to-Date					
2008	6,605	--	1,182	374	5,049
2009	7,481	--	1,198	264	6,019
2010	5,258	--	1,026	221	4,011
Rolling 12 Months Ending in November					
2009	8,409	--	1,326	351	6,732
2010	5,908	--	1,130	251	4,527

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1996 through November 2010

(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**149,519**	**113,274**	**6,110**	**1,227**	**28,908**
1997	**158,042**	**125,146**	**7,664**	**1,562**	**23,670**
1998	**220,503**	**178,614**	**11,644**	**1,787**	**28,458**
1999	**204,747**	**143,830**	**33,264**	**1,593**	**26,059**
2000	**194,150**	**120,129**	**48,855**	**1,587**	**23,579**
2001	**212,279**	**126,367**	**62,788**	**1,801**	**21,323**
2002	**146,642**	**88,596**	**39,320**	**1,210**	**17,517**
2003	**189,260**	**105,319**	**62,617**	**1,394**	**19,929**
2004	**185,761**	**103,793**	**57,843**	**1,963**	**22,162**
2005	**185,631**	**98,223**	**63,546**	**1,584**	**22,278**
2006	**87,898**	**53,529**	**18,332**	**886**	**15,150**
2007	**95,895**	**56,910**	**24,097**	**691**	**14,198**
2008					
January	6,273	3,222	1,981	102	968
February	4,877	2,683	1,387	66	742
March	4,216	2,434	1,058	28	696
April	4,316	2,934	815	19	548
May	4,487	3,151	784	20	531
June	6,879	4,510	1,783	60	525
July	5,634	3,631	1,436	93	474
August	4,804	3,423	893	36	452
September	5,494	3,992	980	21	501
October	3,765	2,639	654	21	452
November	4,224	2,809	878	43	493
December	6,410	3,569	1,812	110	919
Total	**61,379**	**38,995**	**14,463**	**621**	**7,300**
2009					
January	9,492	4,402	3,861	170	1,060
February	4,700	2,562	1,185	64	889
March	4,273	2,335	1,128	31	779
April	3,322	2,138	506	26	653
May	4,325	2,868	541	19	896
June	4,085	2,916	496	14	659
July	4,150	2,957	595	19	578
August	4,670	3,153	949	31	538
September	3,289	2,299	418	15	558
October	3,555	2,590	478	17	469
November	2,713	1,749	447	29	489
December	3,117	1,879	577	44	617
Total	**51,690**	**31,847**	**11,181**	**477**	**8,185**
2010					
January	6,248	4,352	1,168	34	694
February	2,524	1,565	497	27	436
March	2,447	1,748	359	25	315
April	2,271	1,594	392	22	263
May	3,625	2,564	587	36	438
June	5,135	3,689	838	41	567
July	5,858	3,557	1,675	56	571
August	4,810	3,246	1,031	45	488
September	3,319	2,188	720	30	381
October	2,479	1,622	456	24	377
November	2,380	1,498	565	20	297
Total	**41,097**	**27,622**	**8,287**	**359**	**4,829**
Year-to-Date					
2008	54,969	35,427	12,651	510	6,381
2009	48,573	29,968	10,604	433	7,569
2010	41,097	27,622	8,287	359	4,829
Rolling 12 Months Ending in November					
2009	54,983	33,536	12,416	543	8,488
2010	44,214	29,501	8,863	404	5,445

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation by Sector, 1996 through November 2010
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**3,322**	**681**	**1,786**	**1**	**853**
1997	**4,086**	**1,400**	**1,801**	**1**	**884**
1998	**4,860**	**1,769**	**2,230**	**1**	**860**
1999	**4,552**	**1,608**	**2,000**	**1**	**944**
2000	**3,744**	**1,132**	**2,023**	**1**	**588**
2001	**3,871**	**1,418**	**1,890**	**6**	**557**
2002	**6,836**	**2,125**	**3,580**	**2**	**1,130**
2003	**6,303**	**2,554**	**3,166**	**2**	**582**
2004	**7,677**	**4,150**	**2,985**	**1**	**541**
2005	**8,330**	**4,130**	**3,746**	**1**	**452**
2006	**7,363**	**3,619**	**3,286**	**1**	**456**
2007	**6,036**	**2,808**	**2,715**	**2**	**512**
2008					
January	514	207	269	*	38
February	469	205	232	*	32
March	396	182	181	*	32
April	432	164	235	*	33
May	409	142	235	--	33
June	500	219	242	--	39
July	452	193	221	--	38
August	480	220	222	--	38
September	447	191	221	*	34
October	469	198	236	*	36
November	423	199	194	*	30
December	426	176	217	*	32
Total	**5,417**	**2,296**	**2,704**	**1**	**416**
2009					
January	426	265	132	*	28
February	390	230	133	*	27
March	480	312	143	*	25
April	427	265	139	--	24
May	432	271	136	--	26
June	433	252	154	--	27
July	455	253	170	--	32
August	439	249	160	*	30
September	438	244	163	*	31
October	276	121	126	--	29
November	273	116	127	*	30
December	353	183	143	*	27
Total	**4,821**	**2,761**	**1,724**	**1**	**335**
2010					
January	437	284	126	*	27
February	402	258	117	*	26
March	441	308	107	*	26
April	385	253	106	*	26
May	417	261	128	--	28
June	489	319	138	--	31
July	529	341	157	--	31
August	411	286	96	*	28
September	382	296	61	*	25
October	355	246	88	*	20
November	303	203	81	*	20
Total	**4,550**	**3,054**	**1,206**	**1**	**288**
Year-to-Date					
2008	4,992	2,120	2,487	1	384
2009	4,468	2,578	1,581	1	308
2010	4,550	3,054	1,206	1	288
Rolling 12 Months Ending in November					
2009	4,893	2,754	1,799	1	340
2010	4,904	3,237	1,349	2	316

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output by Sector, 1996 through November 2010
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**1,275**	--	**175**	**3**	**1,097**
1997	**2,009**	--	**171**	**3**	**1,835**
1998	**1,336**	--	**103**	**3**	**1,230**
1999	**1,437**	--	**128**	**3**	**1,307**
2000	**924**	--	**120**	**4**	**800**
2001	**661**	--	**119**	--	**542**
2002	**517**	--	**111**	**6**	**399**
2003	**763**	--	**80**	**9**	**675**
2004	**1,043**	--	**237**	**8**	**798**
2005	**783**	--	**206**	**8**	**568**
2006	**1,259**	--	**195**	**9**	**1,055**
2007	**1,262**	--	**162**	**11**	**1,090**
2008					
January	78	--	9	1	67
February	67	--	12	1	55
March	68	--	11	1	56
April	67	--	10	1	56
May	71	--	9	--	62
June	76	--	11	--	65
July	73	--	10	--	63
August	76	--	4	--	73
September	74	--	8	*	66
October	84	--	11	1	72
November	81	--	11	1	68
December	82	--	13	1	67
Total	**897**	--	**119**	**9**	**769**
2009					
January	83	--	12	1	71
February	84	--	11	1	72
March	79	--	9	1	69
April	68	--	11	--	57
May	68	--	11	--	57
June	81	--	12	--	69
July	91	--	11	--	79
August	92	--	10	1	80
September	93	--	10	1	83
October	88	--	9	--	79
November	93	--	10	1	82
December	87	--	10	2	75
Total	**1,007**	--	**126**	**8**	**873**
2010					
January	94	--	14	1	79
February	61	--	12	1	48
March	68	--	13	1	54
April	66	--	10	1	55
May	61	--	11	--	50
June	55	--	10	--	46
July	61	--	9	--	52
August	44	--	4	1	38
September	33	--	4	1	29
October	72	--	10	1	61
November	67	--	11	1	54
Total	**682**	--	**108**	**9**	**565**
Year-to-Date					
2008	815	--	106	7	702
2009	919	--	116	6	798
2010	682	--	108	9	565
Rolling 12 Months Ending in November					
2009	1,001	--	129	7	865
2010	769	--	118	10	640

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Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1996 through November 2010
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**4,596**	**681**	**1,961**	**4**	**1,950**
1997	**6,095**	**1,400**	**1,972**	**4**	**2,719**
1998	**6,196**	**1,769**	**2,333**	**4**	**2,090**
1999	**5,989**	**1,608**	**2,127**	**4**	**2,251**
2000	**4,669**	**1,132**	**2,143**	**6**	**1,388**
2001	**4,532**	**1,418**	**2,009**	**6**	**1,099**
2002	**7,353**	**2,125**	**3,691**	**8**	**1,529**
2003	**7,067**	**2,554**	**3,245**	**11**	**1,257**
2004	**8,721**	**4,150**	**3,223**	**9**	**1,339**
2005	**9,113**	**4,130**	**3,953**	**9**	**1,020**
2006	**8,622**	**3,619**	**3,482**	**10**	**1,511**
2007	**7,299**	**2,808**	**2,877**	**12**	**1,602**
2008					
January	592	207	278	1	105
February	537	205	244	1	87
March	464	182	192	1	88
April	499	164	245	1	89
May	480	142	244	--	95
June	576	219	253	--	105
July	525	193	231	--	101
August	556	220	225	--	111
September	521	191	229	*	100
October	554	198	246	2	108
November	504	199	206	2	98
December	507	176	231	2	99
Total	**6,314**	**2,296**	**2,823**	**10**	**1,184**
2009					
January	509	265	144	1	98
February	474	230	143	1	99
March	559	312	153	1	94
April	494	265	149	--	81
May	501	271	147	--	83
June	514	252	165	--	96
July	545	253	181	--	112
August	530	249	170	1	110
September	531	244	173	1	114
October	364	121	135	--	108
November	366	116	136	1	112
December	441	183	153	2	103
Total	**5,828**	**2,761**	**1,850**	**9**	**1,209**
2010					
January	530	284	140	1	106
February	463	258	130	1	74
March	509	308	120	1	79
April	451	253	116	1	81
May	479	261	139	--	79
June	544	319	148	--	77
July	590	341	167	--	83
August	455	286	101	1	67
September	415	296	65	1	53
October	426	246	98	1	81
November	370	203	92	2	74
Total	**5,232**	**3,054**	**1,315**	**10**	**853**
Year-to-Date					
2008	5,807	2,120	2,593	8	1,086
2009	5,387	2,578	1,697	7	1,106
2010	5,232	3,054	1,315	10	853
Rolling 12 Months Ending in November					
2009	5,894	2,754	1,927	9	1,205
2010	5,673	3,237	1,468	12	956

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.4.A. Natural Gas: Consumption for Electricity Generation by Sector, 1996 through November 2010
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**4,312,458**	**2,732,107**	**927,703**	**42,380**	**610,268**
1997	**4,564,770**	**2,968,453**	**934,742**	**38,975**	**622,599**
1998	**5,081,384**	**3,258,054**	**1,157,759**	**40,693**	**624,878**
1999	**5,321,984**	**3,113,419**	**1,530,355**	**39,045**	**639,165**
2000	**5,691,481**	**3,043,094**	**1,970,977**	**37,029**	**640,381**
2001	**5,832,305**	**2,686,287**	**2,456,206**	**36,248**	**653,565**
2002	**6,126,062**	**2,259,684**	**3,148,595**	**32,545**	**685,239**
2003	**5,616,135**	**1,763,764**	**3,145,485**	**38,480**	**668,407**
2004	**5,674,580**	**1,809,443**	**3,265,896**	**32,839**	**566,401**
2005	**6,036,370**	**2,134,859**	**3,349,921**	**33,785**	**517,805**
2006	**6,461,615**	**2,478,396**	**3,412,826**	**34,623**	**535,770**
2007	**7,089,342**	**2,736,418**	**3,765,194**	**34,087**	**553,643**
2008					
January	554,200	213,194	290,273	3,154	47,579
February	458,209	177,384	235,619	2,766	42,441
March	480,183	192,667	241,813	2,830	42,873
April	486,948	185,967	257,850	2,395	40,736
May	495,188	208,397	241,272	2,349	43,170
June	682,184	273,427	360,983	2,583	45,192
July	805,233	309,036	442,675	3,071	50,450
August	786,448	311,165	422,673	3,126	49,484
September	618,108	247,929	329,837	2,941	37,401
October	564,732	227,412	291,693	2,727	42,900
November	472,998	189,226	242,690	2,579	38,502
December	491,412	194,331	254,819	2,883	39,380
Total	**6,895,843**	**2,730,134**	**3,612,197**	**33,403**	**520,109**
2009					
January	504,716	197,397	262,561	2,895	41,863
February	470,017	188,726	240,469	2,672	38,149
March	518,568	216,765	257,898	2,752	41,153
April	468,220	188,630	238,981	2,575	38,034
May	533,123	221,387	269,944	2,517	39,276
June	664,619	282,521	336,015	2,780	43,303
July	801,950	329,356	421,097	3,188	48,309
August	864,415	346,858	464,601	3,358	49,598
September	713,355	291,103	372,451	3,051	46,749
October	558,858	229,615	282,533	2,852	43,858
November	478,859	197,075	236,539	2,585	42,660
December	543,885	221,847	272,139	3,053	46,846
Total	**7,120,585**	**2,911,279**	**3,655,229**	**34,279**	**519,799**
2010					
January	566,092	237,381	278,345	2,883	47,483
February	496,158	205,456	246,206	2,684	41,812
March	472,508	198,349	227,064	2,803	44,292
April	491,678	201,843	245,473	2,656	41,706
May	579,531	255,077	278,523	2,654	43,276
June	729,312	310,801	369,362	2,938	46,212
July	921,966	385,973	483,611	3,355	49,026
August	971,027	408,067	510,606	3,409	48,945
September	719,755	298,163	371,575	3,100	46,917
October	586,571	252,108	289,724	2,955	41,784
November	513,285	209,299	258,246	3,019	42,721
Total	**7,047,882**	**2,962,517**	**3,558,735**	**32,455**	**494,174**
Year-to-Date					
2008	6,404,431	2,535,803	3,357,378	30,520	480,729
2009	6,576,700	2,689,432	3,383,090	31,226	472,953
2010	7,047,882	2,962,517	3,558,735	32,455	494,174
Rolling 12 Months Ending in November					
2009	7,068,113	2,883,763	3,637,908	34,109	512,333
2010	7,591,767	3,184,364	3,830,874	35,509	541,020

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output by Sector, 1996 through November 2010
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**865,774**	--	**147,091**	**40,075**	**678,608**
1997	**868,569**	--	**161,608**	**47,941**	**659,021**
1998	**949,106**	--	**172,471**	**46,527**	**730,108**
1999	**982,958**	--	**175,757**	**44,991**	**762,210**
2000	**985,263**	--	**192,253**	**47,844**	**745,165**
2001	**898,286**	--	**199,808**	**42,407**	**656,071**
2002	**866,529**	--	**263,619**	**44,565**	**558,345**
2003	**721,267**	--	**225,967**	**19,973**	**475,327**
2004	**1,052,100**	--	**388,424**	**39,233**	**624,443**
2005	**984,340**	--	**384,365**	**34,172**	**565,803**
2006	**942,817**	--	**330,878**	**33,112**	**578,828**
2007	**872,579**	--	**339,796**	**35,987**	**496,796**
2008					
January	70,379	--	27,993	3,167	39,218
February	64,260	--	25,866	3,018	35,377
March	66,765	--	26,283	2,914	37,568
April	62,561	--	25,789	2,656	34,116
May	63,708	--	25,797	2,141	35,770
June	68,042	--	31,027	2,485	34,530
July	70,758	--	30,327	2,883	37,547
August	71,187	--	29,107	2,956	39,124
September	61,003	--	24,799	2,591	33,613
October	65,584	--	26,139	2,602	36,843
November	63,711	--	25,675	2,550	35,486
December	65,578	--	27,244	2,849	35,485
Total	**793,537**	--	**326,048**	**32,813**	**434,676**
2009					
January	70,174	--	27,456	3,682	39,036
February	60,561	--	24,258	3,138	33,165
March	65,780	--	24,988	3,347	37,444
April	62,311	--	23,748	2,871	35,692
May	64,310	--	24,098	2,808	37,405
June	66,131	--	24,206	3,081	38,844
July	72,266	--	27,491	3,853	40,922
August	75,388	--	28,773	4,095	42,520
September	71,908	--	26,398	3,954	41,555
October	69,324	--	24,822	3,398	41,103
November	64,806	--	23,451	3,347	38,008
December	73,829	--	25,852	3,701	44,276
Total	**816,787**	--	**305,542**	**41,275**	**469,970**
2010					
January	74,755	--	28,525	3,896	42,334
February	64,481	--	24,856	3,257	36,368
March	69,564	--	26,914	3,256	39,393
April	64,237	--	24,297	3,066	36,873
May	67,155	--	26,786	2,902	37,467
June	65,860	--	26,649	2,726	36,485
July	72,712	--	30,638	3,242	38,831
August	70,698	--	29,100	3,431	38,167
September	67,944	--	26,643	3,314	37,988
October	67,758	--	24,452	3,162	40,145
November	67,150	--	25,110	3,608	38,431
Total	**752,314**	--	**293,970**	**35,861**	**422,483**
Year-to-Date					
2008	727,959	--	298,804	29,963	399,192
2009	742,958	--	279,690	37,574	425,694
2010	752,314	--	293,970	35,861	422,483
Rolling 12 Months Ending in November					
2009	808,536	--	306,934	40,423	461,179
2010	826,143	--	319,822	39,562	466,759

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1996 through November 2010

(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1996	**5,178,232**	**2,732,107**	**1,074,794**	**82,455**	**1,288,876**
1997	**5,433,338**	**2,968,453**	**1,096,350**	**86,915**	**1,281,620**
1998	**6,030,490**	**3,258,054**	**1,330,230**	**87,220**	**1,354,986**
1999	**6,304,942**	**3,113,419**	**1,706,112**	**84,037**	**1,401,374**
2000	**6,676,744**	**3,043,094**	**2,163,230**	**84,874**	**1,385,546**
2001	**6,730,591**	**2,686,287**	**2,656,014**	**78,655**	**1,309,636**
2002	**6,986,081**	**2,259,684**	**3,412,213**	**73,975**	**1,240,209**
2003	**6,337,402**	**1,763,764**	**3,371,452**	**58,453**	**1,143,734**
2004	**6,726,679**	**1,809,443**	**3,654,320**	**72,072**	**1,190,844**
2005	**7,020,709**	**2,134,859**	**3,734,286**	**67,957**	**1,083,607**
2006	**7,404,432**	**2,478,396**	**3,743,704**	**67,735**	**1,114,597**
2007	**7,961,922**	**2,736,418**	**4,104,991**	**70,074**	**1,050,439**
2008					
January	624,578	213,194	318,267	6,321	86,797
February	522,470	177,384	261,485	5,783	77,818
March	546,949	192,667	268,096	5,744	80,442
April	549,509	185,967	283,639	5,051	74,851
May	558,897	208,397	267,070	4,489	78,941
June	750,227	273,427	392,010	5,069	79,722
July	875,990	309,036	473,003	5,955	87,997
August	857,635	311,165	451,781	6,081	88,608
September	679,111	247,929	354,636	5,532	71,015
October	630,316	227,412	317,832	5,329	79,743
November	536,709	189,226	268,365	5,129	73,989
December	556,990	194,331	282,063	5,732	74,864
Total	**7,689,380**	**2,730,134**	**3,938,245**	**66,216**	**954,785**
2009					
January	574,891	197,397	290,017	6,577	80,899
February	530,578	188,726	264,727	5,809	71,315
March	584,348	216,765	282,886	6,100	78,597
April	530,531	188,630	262,729	5,446	73,726
May	597,433	221,387	294,041	5,325	76,680
June	730,750	282,521	360,221	5,861	82,147
July	874,216	329,356	448,588	7,041	89,231
August	939,803	346,858	493,374	7,453	92,118
September	785,262	291,103	398,850	7,005	88,304
October	628,182	229,615	307,356	6,251	84,961
November	543,665	197,075	259,990	5,932	80,668
December	617,714	221,847	297,991	6,754	91,121
Total	**7,937,372**	**2,911,279**	**3,960,771**	**75,555**	**989,769**
2010					
January	640,847	237,381	306,870	6,779	89,817
February	560,639	205,456	271,062	5,941	78,180
March	542,071	198,349	253,978	6,059	83,685
April	555,914	201,843	269,771	5,722	78,579
May	646,686	255,077	305,309	5,555	80,744
June	795,172	310,801	396,011	5,664	82,697
July	994,677	385,973	514,250	6,598	87,857
August	1,041,724	408,067	539,706	6,840	87,112
September	787,699	298,163	398,218	6,413	84,905
October	654,329	252,108	314,175	6,117	81,929
November	580,435	209,299	283,356	6,628	81,153
Total	**7,800,195**	**2,962,517**	**3,852,705**	**68,316**	**916,657**
Year-to-Date					
2008	7,132,389	2,535,803	3,656,182	60,484	879,921
2009	7,319,659	2,689,432	3,662,780	68,800	898,647
2010	7,800,195	2,962,517	3,852,705	68,316	916,657
Rolling 12 Months Ending in November					
2009	7,876,649	2,883,763	3,944,842	74,532	973,511
2010	8,417,909	3,184,364	4,150,696	75,070	1,007,779

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.5.A. Consumption of Coal for Electricity Generation by State by Sector, November 2010 and 2009
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**263**	**409**	**-35.5**	**43**	**48**	**220**	**360**	**--**	**--**	**1**	**1**
Connecticut	42	68	-38.1	--	--	42	68	--	--	--	--
Maine	2	1	32.2	--	--	1	1	--	--	*	*
Massachusetts	176	291	-39.4	--	--	176	291	--	--	NM	*
New Hampshire	43	48	-10.4	43	48	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**4,403**	**4,420**	**-.4**	**NM**	**6**	**4,347**	**4,363**	**NM**	*****	**55**	**51**
New Jersey	116	118	-2.2	NM	--	115	118	--	--	--	--
New York	344	342	.8	--	6	338	333	--	--	6	3
Pennsylvania	3,943	3,961	-.4	--	--	3,894	3,912	NM	*	49	48
East North Central	**17,273**	**17,198**	**.4**	**11,916**	**12,441**	**5,261**	**4,663**	**5**	**9**	**91**	**84**
Illinois	4,603	4,466	3.1	565	567	3,981	3,846	1	1	56	52
Indiana	4,279	3,855	11.0	3,946	3,556	329	295	3	3	1	1
Michigan	2,760	2,785	-.9	2,732	2,756	19	18	--	5	9	6
Ohio	3,906	4,097	-4.7	2,968	3,588	931	503	--	--	6	6
Wisconsin	1,725	1,995	-13.6	1,705	1,975	NM	--	*	*	19	20
West North Central	**11,065**	**12,013**	**-7.9**	**10,961**	**11,901**	**2**	**2**	**6**	**6**	**96**	**105**
Iowa	2,017	1,820	10.8	1,961	1,770	--	--	4	4	53	46
Kansas	1,423	1,815	-21.6	1,423	1,815	--	--	--	--	--	--
Minnesota	1,145	1,377	-16.8	1,113	1,331	2	2	--	--	30	45
Missouri	3,492	3,331	4.8	3,486	3,326	--	--	3	2	3	3
Nebraska	1,015	1,335	-24.0	1,014	1,334	--	--	--	--	1	1
North Dakota	1,803	2,169	-16.9	1,794	2,159	--	--	--	--	9	10
South Dakota	170	165	2.7	170	165	--	--	--	--	--	--
South Atlantic	**9,701**	**10,066**	**-3.6**	**8,215**	**8,793**	**1,430**	**1,216**	**2**	**2**	**54**	**55**
Delaware	46	81	-43.6	--	--	46	81	--	--	NM	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,863	1,712	8.8	1,778	1,668	80	39	--	--	4	5
Georgia	2,050	2,062	-.6	2,035	2,048	--	--	--	--	14	14
Maryland	582	506	15.1	--	--	578	502	--	--	4	3
North Carolina	1,781	1,906	-6.5	1,710	1,854	66	46	1	1	4	5
South Carolina	962	1,107	-13.1	945	1,096	NM	5	--	--	8	7
Virginia	498	696	-28.5	416	621	69	61	NM	1	12	13
West Virginia	1,920	1,997	-3.8	1,331	1,506	581	481	--	--	8	9
East South Central	**7,438**	**6,789**	**9.6**	**7,074**	**6,453**	**331**	**309**	*****	**1**	**32**	**27**
Alabama	2,122	1,965	8.0	2,109	1,953	4	4	--	--	10	8
Kentucky	3,174	2,861	10.9	3,174	2,861	--	--	--	--	--	--
Mississippi	624	659	-5.3	297	355	328	305	--	--	--	*
Tennessee	1,518	1,304	16.3	1,495	1,284	--	--	*	1	23	19
West South Central	**12,304**	**11,755**	**4.7**	**6,395**	**6,229**	**5,768**	**5,511**	**--**	**--**	**141**	**14**
Arkansas	1,322	1,291	2.4	1,084	1,289	235	--	--	--	3	2
Louisiana	1,520	1,394	9.0	776	750	744	643	--	--	--	--
Oklahoma	1,474	1,524	-3.3	1,355	1,395	103	117	--	--	16	13
Texas	7,989	7,546	5.9	3,180	2,795	4,686	4,751	--	--	123	--
Mountain	**9,193**	**9,818**	**-6.4**	**8,051**	**8,628**	**1,130**	**1,178**	**--**	**--**	**12**	**13**
Arizona	1,919	1,757	9.2	1,912	1,750	--	--	--	--	NM	7
Colorado	1,559	1,504	3.7	1,556	1,500	NM	4	--	--	--	--
Idaho	1	2	-42.3	--	--	--	--	--	--	1	2
Montana	1,011	1,058	-4.5	NM	27	986	1,032	--	--	--	--
Nevada	222	324	-31.3	153	262	70	61	--	--	--	--
New Mexico	1,285	1,443	-10.9	1,285	1,443	--	--	--	--	--	--
Utah	953	1,368	-30.3	920	1,332	NM	36	--	--	--	--
Wyoming	2,242	2,362	-5.1	2,200	2,313	NM	45	--	--	4	4
Pacific Contiguous	**897**	**578**	**55.3**	**241**	**237**	**650**	**333**	**--**	**--**	**6**	**8**
California	57	71	-19.7	--	--	53	65	--	--	5	7
Oregon	241	237	1.7	241	237	--	--	--	--	--	--
Washington	598	269	122.4	--	--	597	268	--	--	1	1
Pacific Noncontiguous	**106**	**104**	**1.4**	**18**	**18**	**81**	**78**	**7**	**8**	**--**	**--**
Alaska	44	46	-4.7	18	18	19	20	7	8	--	--
Hawaii	62	59	6.2	--	--	62	59	--	--	--	--
U.S. Total	**72,643**	**73,150**	**-.7**	**52,915**	**54,755**	**19,220**	**18,012**	**21**	**26**	**487**	**357**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas, including a small amount of supplemental gaseous fuels.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.5.B. Consumption of Coal for Electricity Generation by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**5,595**	**5,567**	**.5**	**1,100**	**1,082**	**4,482**	**4,472**	**--**	**--**	**13**	**13**
Connecticut	1,118	932	19.9	--	--	1,118	932	--	--	--	--
Maine	19	15	28.6	--	--	10	5	--	--	9	9
Massachusetts	3,359	3,538	-5.1	--	--	3,354	3,534	--	--	5	4
New Hampshire	1,100	1,082	1.7	1,100	1,082	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**54,632**	**51,616**	**5.8**	**NM**	**47**	**53,974**	**50,993**	**1**	**1**	**637**	**576**
New Jersey	2,681	1,994	34.5	NM	7	2,662	1,987	--	--	--	--
New York	5,558	5,461	1.8	--	39	5,482	5,355	1	1	74	67
Pennsylvania	46,393	44,161	5.1	--	--	45,830	43,651	*	*	563	509
East North Central	**204,905**	**196,417**	**4.3**	**143,473**	**139,477**	**60,315**	**55,846**	**105**	**108**	**1,012**	**986**
Illinois	50,893	48,857	4.2	6,307	5,438	43,961	42,835	10	10	615	573
Indiana	50,657	49,066	3.2	46,686	45,616	3,920	3,402	39	36	12	11
Michigan	32,661	32,243	1.3	32,294	31,891	213	211	52	57	102	84
Ohio	48,669	46,181	5.4	36,413	36,722	12,187	9,380	--	--	69	80
Wisconsin	22,024	20,071	9.7	21,773	19,810	33	19	5	5	212	238
West North Central	**134,180**	**131,582**	**2.0**	**133,001**	**130,480**	**25**	**23**	**81**	**74**	**1,074**	**1,006**
Iowa	23,234	20,915	11.1	22,639	20,349	--	--	51	47	545	520
Kansas	19,290	18,802	2.6	19,290	18,802	--	--	--	--	--	--
Minnesota	15,261	16,037	-4.8	14,865	15,667	25	23	--	--	370	347
Missouri	40,399	38,734	4.3	40,328	38,667	--	--	30	27	41	40
Nebraska	12,805	12,744	.5	12,793	12,733	--	--	--	--	12	11
North Dakota	21,214	22,461	-5.6	21,108	22,372	--	--	--	--	106	88
South Dakota	1,977	1,890	4.6	1,977	1,890	--	--	--	--	--	--
South Atlantic	**144,322**	**132,490**	**8.9**	**121,668**	**112,486**	**22,006**	**19,429**	**28**	**25**	**620**	**549**
Delaware	1,153	1,172	-1.7	--	--	1,150	1,169	--	--	2	4
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	22,989	20,860	10.2	21,647	19,451	1,288	1,359	--	--	54	49
Georgia	31,408	29,948	4.9	31,257	29,820	--	--	--	--	151	127
Maryland	8,797	8,780	.2	--	--	8,747	8,730	--	--	50	50
North Carolina	26,663	23,626	12.9	25,672	22,878	921	676	14	14	56	57
South Carolina	13,953	12,615	10.6	13,742	12,492	134	61	--	--	77	62
Virginia	9,691	9,375	3.4	8,225	8,404	1,301	821	14	10	152	140
West Virginia	29,668	26,115	13.6	21,126	19,441	8,464	6,614	--	--	78	60
East South Central	**93,298**	**86,961**	**7.3**	**89,597**	**83,207**	**3,323**	**3,450**	**5**	**5**	**374**	**299**
Alabama	28,583	25,477	12.2	28,411	25,341	48	46	--	--	124	90
Kentucky	37,891	35,670	6.2	37,891	35,670	--	--	--	--	--	--
Mississippi	7,855	7,742	1.5	4,580	4,338	3,275	3,403	--	--	--	*
Tennessee	18,969	18,072	5.0	18,714	17,858	--	--	5	5	250	209
West South Central	**141,429**	**133,995**	**5.5**	**75,198**	**72,489**	**63,489**	**61,314**	**--**	**--**	**2,742**	**192**
Arkansas	14,657	13,707	6.9	14,167	13,688	464	--	--	--	25	20
Louisiana	14,706	14,159	3.9	7,446	7,318	7,260	6,840	--	--	--	*
Oklahoma	18,046	19,285	-6.4	16,609	17,920	1,225	1,194	--	--	213	172
Texas	94,020	86,844	8.3	36,976	33,563	54,540	53,281	--	--	2,504	--
Mountain	**103,367**	**99,903**	**3.5**	**90,399**	**89,085**	**12,344**	**10,240**	**--**	**--**	**624**	**578**
Arizona	20,998	18,715	12.2	20,904	18,648	--	--	--	--	94	67
Colorado	17,052	15,486	10.1	17,007	15,444	45	42	--	--	--	--
Idaho	17	17	1.0	--	--	--	--	--	--	17	17
Montana	11,093	9,055	22.5	278	280	10,815	8,774	--	--	--	--
Nevada	3,261	3,430	-4.9	2,552	2,868	710	561	--	--	--	--
New Mexico	13,239	15,024	-11.9	13,239	15,024	--	--	--	--	--	--
Utah	14,434	14,944	-3.4	13,611	14,108	353	378	--	--	470	458
Wyoming	23,272	23,233	.2	22,809	22,712	421	484	--	--	43	37
Pacific Contiguous	**8,020**	**6,762**	**18.6**	**2,176**	**1,608**	**5,769**	**5,075**	**--**	**--**	**75**	**78**
California	725	737	-1.6	--	--	660	668	--	--	65	69
Oregon	2,176	1,608	35.3	2,176	1,608	--	--	--	--	--	--
Washington	5,119	4,416	15.9	--	--	5,110	4,407	--	--	10	9
Pacific Noncontiguous	**1,145**	**1,068**	**7.2**	**173**	**186**	**897**	**809**	**75**	**73**	**--**	**--**
Alaska	462	465	-.7	173	186	214	206	75	73	--	--
Hawaii	683	603	13.3	--	--	683	603	--	--	--	--
U.S. Total	**890,894**	**846,363**	**5.3**	**656,803**	**630,148**	**226,624**	**211,650**	**295**	**286**	**7,171**	**4,279**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.6.A. Consumption of Petroleum Liquids for Electricity Generation by State by Sector, November 2010 and 2009
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**119**	**100**	**19.3**	**14**	**35**	**92**	**56**	**NM**	**4**	**10**	**4**
Connecticut	NM	11	--	NM	*	NM	11	--	--	NM	*
Maine	79	9	748.0	NM	*	69	5	NM	*	10	4
Massachusetts	18	43	-59.3	8	2	NM	40	NM	1	NM	*
New Hampshire	6	36	-83.8	4	33	NM	*	NM	3	NM	*
Rhode Island	NM	*	--	2	*	NM	*	NM	--	--	--
Vermont	NM	*	--	NM	*	--	--	--	--	--	--
Middle Atlantic	**153**	**83**	**83.4**	**NM**	**7**	**127**	**66**	**NM**	**3**	**NM**	**7**
New Jersey	74	4	NM	NM	*	73	4	NM	*	NM	*
New York	NM	28	--	NM	7	NM	12	1	3	NM	6
Pennsylvania	NM	51	--	NM	*	NM	51	NM	*	NM	1
East North Central	**97**	**101**	**-4.5**	**73**	**82**	**21**	**17**	**NM**	**1**	**2**	**2**
Illinois	15	17	-11.4	2	4	13	12	NM	*	NM	*
Indiana	18	23	-22.2	17	23	NM	*	NM	*	1	1
Michigan	24	20	16.5	23	18	NM	*	NM	1	NM	1
Ohio	36	34	5.5	28	29	8	5	--	--	NM	*
Wisconsin	4	7	-40.5	4	7	NM	--	--	--	NM	*
West North Central	**78**	**47**	**66.0**	**77**	**46**	**NM**	*****	**NM**	*****	**NM**	*****
Iowa	19	11	69.2	19	11	NM	*	NM	*	NM	*
Kansas	8	7	21.6	8	7	--	--	--	--	--	--
Minnesota	4	4	25.5	4	3	NM	*	NM	*	NM	*
Missouri	26	13	97.0	26	13	--	--	*	*	NM	*
Nebraska	13	4	262.6	13	4	--	--	--	--	--	--
North Dakota	6	7	-20.9	5	7	--	--	NM	*	NM	*
South Dakota	NM	1	--	NM	1	NM	*	NM	*	--	--
South Atlantic	**269**	**494**	**-45.6**	**217**	**429**	**38**	**41**	**NM**	*****	**13**	**24**
Delaware	NM	3	--	NM	*	3	3	--	--	NM	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	62	315	-80.2	56	304	NM	3	--	--	2	8
Georgia	19	13	40.9	12	8	1	*	NM	*	6	5
Maryland	17	27	-38.1	1	*	16	26	NM	*	*	*
North Carolina	NM	35	--	NM	28	NM	2	NM	*	NM	6
South Carolina	23	47	-50.6	21	46	--	--	NM	*	2	1
Virginia	82	31	167.0	65	23	14	4	*	*	3	4
West Virginia	33	23	42.3	33	20	--	3	--	--	--	--
East South Central	**51**	**73**	**-29.3**	**49**	**62**	**NM**	*****	**--**	**--**	**NM**	**10**
Alabama	18	20	-11.8	15	10	NM	*	--	--	NM	10
Kentucky	18	31	-40.9	18	31	--	--	--	--	--	--
Mississippi	1	3	-65.8	1	3	--	--	--	--	*	*
Tennessee	14	19	-23.3	14	19	--	--	--	--	NM	*
West South Central	**30**	**42**	**-28.2**	**9**	**16**	**12**	**14**	**NM**	*****	**8**	**12**
Arkansas	6	1	413.6	4	1	3	--	--	--	NM	*
Louisiana	3	19	-86.6	*	2	2	6	--	--	1	11
Oklahoma	NM	4	--	1	4	--	--	NM	*	NM	*
Texas	20	17	14.5	4	8	8	8	*	*	NM	*
Mountain	**50**	**36**	**41.1**	**48**	**33**	**3**	**2**	**NM**	*****	**NM**	*****
Arizona	11	15	-24.1	11	14	--	--	NM	*	NM	*
Colorado	3	2	90.3	3	2	NM	--	--	*	NM	--
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	NM	2	--	NM	*	2	1	--	--	NM	*
Nevada	3	1	123.3	2	*	1	1	--	--	--	--
New Mexico	7	7	.4	7	7	--	--	--	--	NM	*
Utah	8	5	85.1	8	5	--	--	--	--	--	--
Wyoming	15	5	216.6	15	5	--	--	--	--	NM	*
Pacific Contiguous	**NM**	**21**	**--**	**NM**	**13**	**4**	**6**	**NM**	*****	**2**	**1**
California	8	13	-43.7	4	11	3	2	NM	*	NM	*
Oregon	NM	*	--	*	*	--	--	--	--	NM	--
Washington	NM	8	--	NM	2	1	4	NM	*	1	1
Pacific Noncontiguous	**1,139**	**1,191**	**-4.3**	**990**	**1,025**	**NM**	**145**	**NM**	**1**	**12**	**20**
Alaska	127	175	-27.4	120	167	--	--	NM	1	6	7
Hawaii	1,013	1,016	-.3	870	858	NM	145	*	*	6	13
U.S. Total	**1,999**	**2,187**	**-8.6**	**1,498**	**1,749**	**433**	**347**	**7**	**10**	**60**	**81**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.6.B. Consumption of Petroleum Liquids for Electricity Generation by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**1,935**	**2,950**	**-34.4**	**203**	**352**	**1,574**	**2,360**	**60**	**84**	**98**	**153**
Connecticut	799	552	44.7	5	5	790	542	--	--	NM	5
Maine	434	607	-28.5	NM	2	340	459	NM	7	87	138
Massachusetts	546	1,440	-62.1	70	44	443	1,347	27	41	6	9
New Hampshire	121	310	-60.9	102	276	NM	10	18	24	NM	1
Rhode Island	28	34	-18.1	17	19	NM	2	NM	13	--	--
Vermont	NM	7	--	NM	7	--	--	--	--	--	--
Middle Atlantic	**3,781**	**5,774**	**-34.5**	**1,497**	**2,133**	**2,150**	**3,477**	**35**	**43**	**99**	**121**
New Jersey	317	478	-33.6	NM	7	309	467	NM	1	NM	3
New York	2,482	3,966	-37.4	1,492	2,125	878	1,703	28	37	85	101
Pennsylvania	982	1,330	-26.1	NM	1	963	1,306	NM	6	12	16
East North Central	**1,399**	**1,388**	**.8**	**1,094**	**1,067**	**260**	**260**	**13**	**12**	**33**	**49**
Illinois	190	215	-11.9	46	59	143	155	NM	*	NM	1
Indiana	256	242	5.9	239	227	NM	*	NM	1	16	13
Michigan	374	398	-6.0	352	361	NM	*	12	10	9	26
Ohio	505	445	13.3	391	338	109	101	--	--	5	6
Wisconsin	75	88	-14.5	65	82	8	3	--	--	2	3
West North Central	**693**	**600**	**15.5**	**679**	**575**	**6**	**15**	**4**	**4**	**4**	**5**
Iowa	169	116	45.6	165	113	3	3	NM	*	NM	*
Kansas	89	79	12.5	89	79	--	--	--	--	--	--
Minnesota	66	123	-46.0	60	105	2	12	3	4	1	2
Missouri	229	144	58.9	228	143	--	--	NM	*	NM	1
Nebraska	54	41	30.9	54	41	--	--	--	--	--	--
North Dakota	69	74	-6.1	66	71	--	--	NM	*	3	3
South Dakota	16	23	-28.3	16	22	NM	1	NM	*	--	--
South Atlantic	**13,421**	**14,710**	**-8.8**	**11,560**	**12,607**	**1,643**	**1,502**	**NM**	**6**	**212**	**595**
Delaware	70	479	-85.3	NM	1	69	181	--	--	NM	296
District of Columbia	423	84	403.3	--	--	423	84	--	--	--	--
Florida	9,462	10,539	-10.2	9,093	10,276	305	184	--	--	63	79
Georgia	224	227	-1.4	147	135	26	18	3	3	49	71
Maryland	562	592	-5.1	8	9	550	578	NM	1	3	4
North Carolina	464	494	-6.1	419	438	NM	8	NM	*	36	48
South Carolina	242	251	-4.0	224	202	--	*	NM	*	17	49
Virginia	1,724	1,768	-2.5	1,417	1,292	261	425	2	2	44	48
West Virginia	251	276	-9.1	251	253	*	23	--	--	--	--
East South Central	**957**	**865**	**10.6**	**829**	**720**	**29**	**31**	**--**	**--**	**99**	**114**
Alabama	271	260	4.2	151	122	29	31	--	--	92	108
Kentucky	214	249	-13.9	214	249	--	--	--	--	--	--
Mississippi	137	35	289.0	133	32	--	--	--	--	4	3
Tennessee	335	321	4.3	331	317	--	--	--	--	4	4
West South Central	**590**	**590**	**.0**	**307**	**299**	**158**	**97**	**5**	**5**	**121**	**188**
Arkansas	66	138	-52.1	58	131	5	--	--	--	2	7
Louisiana	207	219	-5.6	161	102	31	30	--	--	16	87
Oklahoma	21	23	-9.4	19	21	--	--	NM	*	NM	3
Texas	296	209	41.4	69	46	122	68	5	5	100	91
Mountain	**429**	**410**	**4.8**	**393**	**369**	**33**	**38**	**NM**	*****	**3**	**3**
Arizona	111	107	4.1	110	105	--	--	NM	*	NM	1
Colorado	26	30	-15.0	25	29	NM	1	*	*	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	29	26	9.5	NM	1	27	24	--	--	NM	2
Nevada	23	31	-25.8	17	18	6	13	--	--	--	--
New Mexico	78	78	-.1	78	78	--	--	--	--	NM	*
Utah	65	57	14.2	65	57	--	--	--	--	--	--
Wyoming	97	80	21.7	97	80	--	--	--	--	NM	*
Pacific Contiguous	**159**	**276**	**-42.5**	**96**	**117**	**43**	**55**	**NM**	**1**	**19**	**103**
California	100	225	-55.6	74	97	23	40	NM	1	2	87
Oregon	9	9	-7.7	5	6	--	--	--	--	3	4
Washington	50	42	19.9	NM	14	20	15	NM	*	13	12
Pacific Noncontiguous	**12,475**	**13,530**	**-7.8**	**10,964**	**11,728**	**1,365**	**1,571**	**16**	**13**	**131**	**218**
Alaska	1,405	1,817	-22.7	1,326	1,737	--	--	12	9	67	71
Hawaii	11,071	11,713	-5.5	9,638	9,992	1,365	1,571	3	4	64	147
U.S. Total	**35,839**	**41,092**	**-12.8**	**27,622**	**29,968**	**7,260**	**9,406**	**138**	**169**	**818**	**1,550**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.7.A. Consumption of Petroleum Coke for Electricity Generation by State by Sector, November 2010 and 2009
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**4**	--	--	--	**NM**	**1**	--	--	**NM**	**3**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	--	--	--	--	NM	--	--	--	--	--
Pennsylvania	NM	4	--	--	--	NM	1	--	--	NM	3
East North Central	**NM**	**55**	--	**16**	**15**	**36**	**33**	--	--	**NM**	**7**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	6	--	NM	1	3	3	--	--	NM	2
Ohio	NM	31	--	--	--	33	30	--	--	NM	1
Wisconsin	18	18	.7	14	14	--	--	--	--	4	4
West North Central	**2**	**5**	**-64.3**	**2**	**5**	--	--	*	*	--	--
Iowa	*	1	--	*	1	--	--	*	*	--	--
Kansas	1	3	-60.2	1	3	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	1	--	--	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**8**	**8**	**-2.5**	**1**	--	--	--	--	--	**6**	**8**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1	--	--	1	--	--	--	--	--	--	--
Georgia	6	8	-17.7	--	--	--	--	--	--	6	8
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**59**	**36**	**63.2**	**59**	**36**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	59	36	63.2	59	36	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**133**	**103**	**28.9**	**126**	**61**	*	**30**	--	--	**NM**	**12**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	128	69	85.5	126	61	--	--	--	--	NM	9
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	4	34	-87.6	--	--	*	30	--	--	4	3
Mountain	**15**	**16**	**-2.4**	--	--	**15**	**16**	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	15	16	-2.4	--	--	15	16	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**NM**	**46**	--	--	--	**NM**	**46**	--	--	--	--
California	NM	46	--	--	--	NM	46	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**303**	**273**	**11.2**	**203**	**116**	**81**	**127**	*	*	**20**	**30**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.7.B. Consumption of Petroleum Coke for Electricity Generation by State by Sector, Year-to-Date through November 2010 and 2009
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**219**	**120**	**82.9**	--	--	**194**	**85**	--	--	**NM**	**35**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	170	59	189.0	--	--	170	59	--	--	--	--
Pennsylvania	NM	61	--	--	--	NM	27	--	--	NM	35
East North Central	**637**	**613**	**3.9**	**193**	**185**	**382**	**358**	--	--	**62**	**69**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	4	--	--	--	--	4	--	--	--	--
Michigan	NM	57	--	NM	10	30	32	--	--	NM	14
Ohio	355	333	6.7	--	--	352	322	--	--	NM	10
Wisconsin	222	220	1.0	180	175	--	--	--	--	42	45
West North Central	**68**	**69**	**-1.6**	**66**	**68**	--	--	**1**	**1**	--	--
Iowa	26	8	209.7	24	7	--	--	1	1	--	--
Kansas	38	48	-19.7	38	48	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	4	13	-70.9	4	13	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**1,100**	**1,204**	**-8.6**	**1,025**	**1,130**	--	--	--	--	**74**	**73**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,016	1,005	1.2	1,016	1,005	--	--	--	--	--	--
Georgia	74	73	1.6	--	--	--	--	--	--	74	73
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	9	126	-92.9	9	126	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**762**	**698**	**9.2**	**762**	**698**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	762	698	9.2	762	698	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**1,320**	**1,095**	**20.6**	**1,008**	**496**	**185**	**467**	--	--	**127**	**131**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,090	590	84.8	1,008	496	--	--	--	--	82	94
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	230	505	-54.4	--	--	185	467	--	--	45	38
Mountain	**133**	**163**	**-18.4**	--	--	**133**	**163**	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	133	163	-18.4	--	--	133	163	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**312**	**507**	**-38.5**	--	--	**312**	**507**	--	--	--	--
California	312	507	-38.5	--	--	312	507	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**4,550**	**4,468**	**1.8**	**3,054**	**2,578**	**1,206**	**1,581**	**1**	**1**	**288**	**308**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State by Sector, November 2010 and 2009
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**36,114**	**31,478**	**14.7**	**1,120**	**325**	**32,814**	**29,032**	**431**	**422**	**1,750**	**1,699**
Connecticut	8,884	5,486	61.9	6	1	8,690	5,279	NM	33	NM	173
Maine	4,321	4,831	-10.5	--	--	2,878	3,405	NM	1	1,443	1,425
Massachusetts	13,787	13,246	4.1	718	84	12,588	12,734	349	338	NM	91
New Hampshire	5,604	3,250	72.4	392	233	5,202	3,008	--	--	NM	9
Rhode Island	3,513	4,658	-24.6	--	--	3,456	4,607	NM	50	--	--
Vermont	4	7	-35.2	4	7	--	--	--	--	--	--
Middle Atlantic	**67,976**	**55,451**	**22.6**	**9,588**	**8,449**	**57,185**	**46,085**	**434**	**181**	**769**	**737**
New Jersey	13,388	12,156	10.1	--	--	13,021	11,790	NM	38	322	329
New York	32,048	26,458	21.1	9,585	8,444	21,962	17,744	339	106	163	164
Pennsylvania	22,540	16,837	33.9	NM	4	22,203	16,551	NM	37	284	244
East North Central	**16,010**	**11,771**	**36.0**	**4,231**	**2,463**	**10,681**	**8,495**	**520**	**321**	**578**	**492**
Illinois	938	902	4.0	NM	72	455	481	308	262	138	87
Indiana	3,889	1,685	130.8	1,890	360	1,654	1,013	NM	12	325	300
Michigan	4,865	3,979	22.2	NM	502	4,569	3,447	139	5	NM	26
Ohio	4,983	2,336	113.3	1,532	80	3,423	2,239	--	--	NM	18
Wisconsin	1,336	2,868	-53.4	663	1,450	580	1,314	NM	42	NM	62
West North Central	**5,600**	**4,514**	**24.1**	**5,038**	**4,202**	**377**	**71**	**NM**	**45**	**128**	**195**
Iowa	523	517	1.1	433	336	--	*	NM	8	NM	172
Kansas	1,098	1,636	-32.9	1,098	1,636	--	--	--	--	--	--
Minnesota	2,346	1,367	71.6	1,923	1,266	350	46	NM	36	NM	19
Missouri	1,502	807	86.2	1,460	780	NM	24	15	1	NM	1
Nebraska	111	67	66.6	111	67	NM	*	NM	*	--	--
North Dakota	NM	3	--	NM	*	--	--	--	--	NM	3
South Dakota	NM	117	--	NM	117	--	--	--	--	--	--
South Atlantic	**94,954**	**90,828**	**4.5**	**77,335**	**79,630**	**16,741**	**10,457**	**NM**	**10**	**860**	**731**
Delaware	1,471	647	127.2	NM	7	1,461	608	--	--	NM	33
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	63,614	67,496	-5.8	58,676	62,488	4,324	4,507	NM	10	602	492
Georgia	9,871	9,614	2.7	4,846	5,495	4,860	3,990	--	--	165	129
Maryland	682	513	32.9	--	--	648	488	NM	--	NM	26
North Carolina	4,253	2,244	89.5	3,493	2,237	735	4	5	*	20	3
South Carolina	5,386	5,896	-8.6	4,843	5,564	537	326	NM	*	5	6
Virginia	9,625	4,300	123.8	5,464	3,793	4,131	468	--	--	NM	39
West Virginia	NM	116	--	3	47	45	66	--	--	NM	3
East South Central	**36,340**	**27,210**	**33.6**	**18,877**	**13,289**	**16,385**	**13,159**	**NM**	**22**	**996**	**741**
Alabama	19,899	14,901	33.5	7,383	5,828	11,816	8,544	--	--	701	529
Kentucky	600	554	8.4	465	446	--	27	--	--	NM	81
Mississippi	14,209	11,660	21.9	9,486	6,940	4,570	4,588	NM	7	NM	125
Tennessee	1,631	96	NM	1,543	76	--	--	NM	15	15	5
West South Central	**129,776**	**124,768**	**4.0**	**40,872**	**37,122**	**56,355**	**55,781**	**287**	**253**	**32,262**	**31,611**
Arkansas	2,281	1,780	28.1	297	48	1,886	1,598	NM	*	98	134
Louisiana	26,578	26,567	.0	9,664	9,260	2,830	2,733	NM	18	14,064	14,556
Oklahoma	14,204	14,784	-3.9	12,529	11,573	1,587	3,095	NM	9	NM	107
Texas	86,713	81,637	6.2	18,382	16,241	50,052	48,355	250	226	18,029	16,815
Mountain	**43,420**	**46,406**	**-6.4**	**23,875**	**24,352**	**19,122**	**21,497**	**NM**	**82**	**338**	**474**
Arizona	14,901	15,942	-6.5	4,906	6,481	9,952	9,425	NM	36	NM	--
Colorado	6,248	7,337	-14.8	2,539	2,586	3,701	4,737	*	1	NM	12
Idaho	936	933	.3	NM	158	795	738	--	--	32	37
Montana	NM	60	--	NM	3	NM	48	--	--	NM	9
Nevada	12,149	13,869	-12.4	9,516	9,199	2,617	4,541	--	--	NM	129
New Mexico	4,657	4,882	-4.6	3,072	3,043	1,543	1,795	NM	44	--	*
Utah	4,235	3,098	36.7	3,685	2,796	472	212	--	1	NM	89
Wyoming	242	286	-15.5	NM	87	NM	2	--	--	192	198
Pacific Contiguous	**80,062**	**82,854**	**-3.4**	**25,409**	**23,746**	**48,586**	**51,963**	**1,105**	**1,249**	**4,962**	**5,897**
California	64,471	65,470	-1.5	17,121	14,430	41,398	44,195	1,100	1,245	4,853	5,600
Oregon	10,534	11,138	-5.4	4,010	4,167	6,439	6,694	--	--	85	277
Washington	5,057	6,247	-19.1	4,279	5,149	749	1,073	NM	4	24	20
Pacific Noncontiguous	**3,033**	**3,579**	**-15.3**	**2,954**	**3,497**	**--**	**--**	**--**	**--**	**NM**	**82**
Alaska	3,033	3,579	-15.3	2,954	3,497	--	--	--	--	NM	82
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**513,285**	**478,859**	**7.2**	**209,299**	**197,075**	**258,246**	**236,539**	**3,019**	**2,585**	**42,721**	**42,660**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.8.B. Consumption of Natural Gas for Electricity Generation by State by Sector, Year-to-Date through November 2010 and 2009

(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**389,955**	**337,968**	**15.4**	**6,981**	**1,554**	**361,092**	**314,973**	**4,183**	**4,500**	**17,700**	**16,941**
Connecticut	77,902	65,147	19.6	34	30	76,028	63,431	NM	267	1,597	1,418
Maine	51,683	47,421	9.0	--	--	36,910	33,049	NM	7	14,764	14,366
Massachusetts	172,897	141,482	22.2	4,706	1,090	163,554	135,572	3,396	3,757	1,241	1,062
New Hampshire	34,786	33,271	4.6	2,190	374	32,498	32,802	--	--	NM	95
Rhode Island	52,637	50,587	4.1	--	--	52,102	50,119	535	468	--	--
Vermont	50	60	-16.2	50	60	--	--	--	--	--	--
Middle Atlantic	**775,421**	**671,067**	**15.6**	**124,658**	**112,431**	**638,503**	**547,281**	**4,372**	**2,864**	**7,887**	**8,491**
New Jersey	172,228	143,624	19.9	--	--	168,462	139,426	451	445	3,315	3,752
New York	383,427	330,790	15.9	124,563	112,382	253,834	214,801	3,438	1,987	1,591	1,619
Pennsylvania	219,766	196,653	11.8	NM	50	216,207	193,053	NM	432	2,981	3,119
East North Central	**273,500**	**200,530**	**36.4**	**85,963**	**49,277**	**177,139**	**139,511**	**4,321**	**4,063**	**6,077**	**7,679**
Illinois	46,110	34,899	32.1	6,025	1,983	35,603	26,769	3,138	3,146	1,344	3,001
Indiana	48,594	30,770	57.9	26,909	13,662	18,535	14,043	181	170	2,970	2,895
Michigan	87,145	62,492	39.4	14,183	6,751	71,723	54,652	367	169	872	921
Ohio	50,047	34,785	43.9	13,129	7,799	36,625	26,775	--	--	293	211
Wisconsin	41,604	37,584	10.7	25,716	19,082	14,654	17,272	636	578	598	652
West North Central	**122,988**	**92,599**	**32.8**	**106,686**	**79,008**	**14,443**	**11,636**	**614**	**710**	**1,245**	**1,244**
Iowa	13,495	10,183	32.5	12,570	9,291	NM	*	NM	39	885	854
Kansas	30,457	29,974	1.6	30,457	29,974	--	--	--	--	--	--
Minnesota	34,537	21,231	62.7	26,550	15,477	7,292	4,854	419	587	276	314
Missouri	37,928	27,318	38.8	30,606	20,444	7,149	6,782	156	84	NM	8
Nebraska	4,346	2,922	48.7	4,344	2,920	NM	*	NM	1	--	--
North Dakota	92	69	34.4	NM	1	--	--	--	--	67	67
South Dakota	2,134	901	136.8	2,134	901	--	--	--	--	--	--
South Atlantic	**1,388,330**	**1,215,337**	**14.2**	**1,085,736**	**988,115**	**290,239**	**217,017**	**175**	**129**	**12,179**	**10,076**
Delaware	23,570	10,133	132.6	NM	109	23,375	9,647	--	--	NM	377
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	902,188	858,613	5.1	816,561	768,931	76,245	83,006	150	118	9,232	6,558
Georgia	162,742	134,394	21.1	76,533	71,083	84,341	61,389	--	--	1,868	1,923
Maryland	27,283	14,773	84.7	--	--	26,949	14,481	NM	*	327	292
North Carolina	67,455	37,840	78.3	52,889	31,426	14,325	6,357	8	11	234	46
South Carolina	78,331	70,572	11.0	64,214	62,911	14,054	7,622	NM	*	53	39
Virginia	125,441	87,961	42.6	74,849	53,310	50,171	33,837	--	--	421	814
West Virginia	1,319	1,050	25.6	500	345	779	677	--	--	40	28
East South Central	**511,441**	**398,800**	**28.2**	**254,492**	**196,801**	**246,134**	**192,029**	**821**	**716**	**9,994**	**9,254**
Alabama	257,834	216,290	19.2	89,252	77,448	161,843	132,716	--	--	6,739	6,127
Kentucky	17,956	8,851	102.9	14,962	6,411	1,595	1,015	--	--	1,400	1,426
Mississippi	216,971	169,780	27.8	132,479	109,764	82,695	58,298	NM	105	1,686	1,613
Tennessee	18,680	3,878	381.7	17,799	3,178	--	--	711	611	170	88
West South Central	**2,097,351**	**2,041,706**	**2.7**	**691,916**	**620,868**	**1,028,119**	**1,068,685**	**3,586**	**3,378**	**373,730**	**348,775**
Arkansas	85,979	75,023	14.6	18,633	8,611	66,173	65,237	NM	5	1,167	1,171
Louisiana	402,874	344,672	16.9	184,075	146,593	50,838	46,902	232	230	167,730	150,948
Oklahoma	269,119	262,947	2.3	207,596	177,954	60,486	83,909	199	172	838	912
Texas	1,339,378	1,359,063	-1.4	281,612	287,710	850,623	872,637	3,149	2,971	203,995	195,745
Mountain	**587,377**	**650,240**	**-9.7**	**298,634**	**331,462**	**282,323**	**312,217**	**1,138**	**1,173**	**5,282**	**5,388**
Arizona	211,977	246,995	-14.2	74,196	97,711	137,225	148,722	549	556	NM	5
Colorado	86,764	102,562	-15.4	29,672	33,126	56,861	69,241	23	20	209	175
Idaho	12,641	10,867	16.3	2,744	2,595	9,608	7,757	--	--	289	515
Montana	900	706	27.5	NM	40	618	561	--	--	NM	105
Nevada	162,342	175,598	-7.5	110,087	118,017	50,629	55,938	--	--	1,626	1,643
New Mexico	64,674	64,858	-.3	41,586	39,783	22,460	24,487	544	584	NM	4
Utah	45,075	45,748	-1.5	39,272	39,248	4,824	5,482	NM	13	957	1,005
Wyoming	3,005	2,907	3.4	900	942	NM	29	--	--	2,007	1,936
Pacific Contiguous	**863,849**	**933,617**	**-7.5**	**270,530**	**275,858**	**520,743**	**579,742**	**13,246**	**13,692**	**59,331**	**64,326**
California	691,734	756,276	-8.5	176,297	180,683	443,879	500,469	13,181	13,638	58,377	61,486
Oregon	99,015	100,849	-1.8	38,452	38,088	59,799	60,145	--	*	763	2,616
Washington	73,100	76,492	-4.4	55,780	57,087	17,065	19,128	65	53	190	224
Pacific Noncontiguous	**37,671**	**34,836**	**8.1**	**36,921**	**34,057**	**--**	**--**	**--**	**--**	**750**	**779**
Alaska	37,671	34,836	8.1	36,921	34,057	--	--	--	--	750	779
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**7,047,882**	**6,576,700**	**7.2**	**2,962,517**	**2,689,432**	**3,558,735**	**3,383,090**	**32,455**	**31,226**	**494,174**	**472,953**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Chapter 3. Fossil-Fuel Stocks for Electricity Generation

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 1996 through November 2010

Period	Electric Power Sector			Electric Utilities			Independent Power Producers		
	Coal (Thousand Tons)[1]	Petroleum Liquids (Thousand Barrels)[2]	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)[1]	Petroleum Liquids (Thousand Barrels)[2]	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
1996	**114,623**	**47,690**	**91**	**114,623**	**47,690**	**91**	--	--	--
1997	**98,826**	**48,792**	**469**	**98,826**	**48,792**	**469**	--	--	--
1998	**120,501**	**53,794**	**559**	**120,501**	**53,794**	**559**	--	--	--
1999	**141,604**	**52,251**	**372**	**129,041**	**44,392**	**355**	**12,563**	**7,859**	**16**
2000	**102,296**	**39,875**	**211**	**90,115**	**29,570**	**186**	**12,180**	**10,306**	**25**
2001	**138,496**	**55,080**	**390**	**117,147**	**35,807**	**300**	**21,349**	**19,273**	**90**
2002	**141,714**	**43,935**	**1,711**	**116,952**	**29,601**	**328**	**24,761**	**14,334**	**1,383**
2003	**121,567**	**45,752**	**1,484**	**97,831**	**28,062**	**378**	**23,736**	**17,691**	**1,105**
2004	**106,669**	**46,750**	**937**	**84,917**	**29,144**	**627**	**21,751**	**17,607**	**309**
2005	**101,137**	**47,414**	**530**	**77,457**	**29,532**	**374**	**23,680**	**17,882**	**156**
2006	**140,964**	**48,216**	**674**	**110,277**	**29,799**	**456**	**30,688**	**18,416**	**217**
2007	**151,221**	**44,433**	**554**	**120,504**	**28,032**	**253**	**30,717**	**16,401**	**301**
2008									
January	146,973	44,602	656	116,403	27,787	325	30,570	16,815	332
February	142,782	43,467	573	113,490	27,399	287	29,292	16,068	287
March	146,497	42,960	662	117,338	27,134	328	29,159	15,825	335
April	154,029	44,134	722	122,197	28,065	364	31,832	16,070	358
May	159,408	43,139	758	124,651	27,434	404	34,757	15,705	354
June	152,542	43,948	723	119,780	28,602	353	32,762	15,346	370
July	142,572	43,197	776	112,855	28,322	375	29,717	14,875	400
August	139,352	43,112	712	109,761	28,306	379	29,591	14,806	333
September	143,903	42,040	689	113,167	27,704	396	30,736	14,335	293
October	155,659	42,220	683	122,523	27,160	427	33,136	15,060	256
November	163,390	41,927	777	129,156	26,651	487	34,234	15,276	290
December	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009									
January	156,075	40,444	746	124,894	26,312	680	31,181	14,132	67
February	160,601	40,980	738	127,496	26,354	679	33,105	14,626	59
March	174,223	40,969	715	137,848	26,209	666	36,375	14,760	49
April	185,790	41,073	705	148,301	26,082	659	37,489	14,991	46
May	195,103	41,175	779	155,777	26,293	747	39,327	14,882	32
June	195,656	41,231	763	156,539	26,354	716	39,117	14,876	48
July	193,563	40,957	729	155,786	26,338	645	37,777	14,619	84
August	191,532	40,399	876	155,085	26,183	751	36,446	14,216	125
September	197,208	39,909	963	159,420	25,712	828	37,789	14,196	135
October	199,477	39,248	1,152	162,582	25,184	953	36,895	14,064	198
November	203,765	39,002	1,258	165,738	25,424	1,060	38,027	13,578	198
December	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010									
January	178,063	37,556	1,380	144,162	24,750	1,177	33,901	12,806	202
February	171,123	38,265	1,233	138,907	25,536	1,045	32,217	12,728	189
March	177,763	38,143	1,164	143,403	25,606	983	34,360	12,536	181
April	189,196	37,938	1,190	150,348	25,324	1,022	38,849	12,613	168
May	191,295	37,526	1,148	151,188	25,054	986	40,107	12,471	162
June	181,062	36,891	1,095	144,243	24,509	943	36,819	12,382	152
July	169,215	35,925	1,055	136,731	23,994	907	32,484	11,931	149
August	159,805	35,696	1,155	129,585	24,106	976	30,221	11,590	179
September	162,798	36,773	1,213	132,264	25,293	1,017	30,534	11,480	196
October	175,147	37,120	1,247	141,544	25,435	1,005	33,603	11,685	242
November	182,848	37,197	1,137	147,233	25,784	893	35,616	11,413	245

[1] Anthracite, bituminous, subbituminous, coal synfuel, and lignite; excludes waste coal.
[2] Distillate fuel oil, residual fuel oil, jet fuel, and kerosene. Data prior to 2004 includes small quantities of waste oil.

Notes: • See Glossary for definitions. • Prior to 2008, values represent December end-of-month stocks. For 2008 forward, values represent end-of-month stocks. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 3.2. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by State, November 2010

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Percent Change
New England	**1,162**	**1,518**	**-23.5**	**3,524**	**3,891**	**-9.4**	**--**	**--**	**--**
Connecticut, Maine, New Hampshire, Rhode Island, Vermont[1]	601	704	-14.7	1,846	2,308	-20.0	--	--	--
Massachusetts	561	814	-31.1	1,677	1,583	5.9	--	--	--
Middle Atlantic	**8,235**	**7,954**	**3.5**	**7,832**	**9,100**	**-13.9**	**W**	**W**	**W**
New Jersey	579	1,183	-51.1	1,360	1,438	-5.4	--	--	--
New York	891	1,179	-24.5	5,069	5,565	-8.9	W	W	W
Pennsylvania	6,765	5,592	21.0	1,403	2,097	-33.1	--	W	W
East North Central	**41,570**	**44,773**	**-7.2**	**2,174**	**2,220**	**-2.1**	**67**	**91**	**-25.9**
Illinois	7,976	9,219	-13.5	156	186	-16.0	--	--	--
Indiana	11,016	12,575	-12.4	120	113	6.1	--	--	--
Michigan	5,609	7,902	-29.0	1,146	1,145	.2	W	W	W
Ohio	9,705	9,770	-.7	426	436	-2.1	--	--	--
Wisconsin	7,263	5,307	36.9	325	341	-4.6	W	W	W
West North Central	**28,416**	**30,281**	**-6.2**	**1,509**	**1,525**	**-1.0**	**W**	**23**	**W**
Iowa	6,528	7,412	-11.9	165	175	-5.2	W	W	W
Kansas	3,696	4,219	-12.4	419	383	9.5	W	W	W
Minnesota	3,014	3,136	-3.9	233	269	-13.4	--	--	--
Missouri	9,030	9,925	-9.0	339	335	1.3	--	W	W
Nebraska	4,124	3,550	16.2	226	229	-1.3	--	--	--
North Dakota, South Dakota[1]	2,025	2,038	-.6	127	135	-5.7	--	--	--
South Atlantic	**35,695**	**44,279**	**-19.4**	**12,565**	**13,081**	**-3.9**	**W**	**W**	**W**
Delaware, District of Columbia, Maryland[1]	2,192	2,542	-13.8	1,520	1,753	-13.3	--	--	--
Florida	6,496	6,433	1.0	6,168	5,874	5.0	W	W	W
Georgia	6,668	9,677	-31.1	872	911	-4.3	--	--	--
North Carolina	4,789	7,540	-36.5	974	1,042	-6.5	--	--	--
South Carolina	6,578	6,035	9.0	672	807	-16.7	W	W	W
Virginia	1,907	3,016	-36.8	2,237	2,552	-12.3	--	--	--
West Virginia	7,065	9,036	-21.8	122	142	-13.9	W	W	W
East South Central	**20,186**	**21,648**	**-6.8**	**2,288**	**2,186**	**4.7**	**W**	**343**	**W**
Alabama	5,839	6,602	-11.6	336	316	6.5	--	--	--
Kentucky	9,188	9,468	-3.0	294	276	6.5	W	343	W
Mississippi	1,201	1,698	-29.3	779	900	-13.5	--	--	--
Tennessee	3,957	3,880	2.0	879	694	26.6	--	--	--
West South Central	**28,599**	**29,017**	**-1.4**	**3,453**	**3,682**	**-6.2**	**W**	**W**	**W**
Arkansas	3,432	1,963	74.8	184	203	-9.4	--	--	--
Louisiana	2,055	4,001	-48.6	1,227	1,292	-5.1	W	W	W
Oklahoma	5,479	5,361	2.2	236	238	-.7	--	--	--
Texas	17,633	17,692	-.3	1,806	1,950	-7.4	W	W	W
Mountain	**17,909**	**22,004**	**-18.6**	**720**	**747**	**-3.5**	**W**	**W**	**W**
Arizona	3,115	5,096	-38.9	233	260	-10.4	--	--	--
Colorado	3,878	4,682	-17.2	143	132	8.2	--	--	--
Idaho	--	--	--	W	W	W	--	--	--
Montana, New Mexico[1]	1,560	1,564	-.2	81	85	-4.0	W	W	W
Nevada	1,143	1,066	7.2	182	182	.0	--	--	--
Utah	4,660	6,136	-24.1	42	50	-15.8	--	--	--
Wyoming	3,554	3,460	2.7	W	W	W	--	--	--
Pacific[2]	**1,078**	**2,290**	**-52.9**	**3,132**	**2,569**	**21.9**	**71**	**20**	**250.2**
California, Oregon, Washington, Hawaii, Alaska[1]	1,078	2,290	-52.9	3,132	2,569	21.9	71	20	250.2
U.S. Total	**182,848**	**203,765**	**-10.3**	**37,197**	**39,002**	**-4.6**	**1,137**	**1,258**	**-9.6**

[1] States` data are aggregated in order to protect confidentiality.
[2] Pacific Contiguous and Pacific Non-Contiguous were aggregated to Pacific to protect Census Division proprietary information.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 3.3. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Division, November 2010

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009
Coal (thousand tons)							
New England	1,162	1,518	-23.5	W	W	W	W
Middle Atlantic	8,235	7,954	3.5	W	W	W	W
East North Central	41,570	44,773	-7.2	32,404	34,866	9,167	9,906
West North Central	28,416	30,281	-6.2	28,416	W	--	W
South Atlantic	35,695	44,279	-19.4	31,595	39,375	4,100	4,905
East South Central	20,186	21,648	-6.8	20,186	21,648	--	--
West South Central	28,599	29,017	-1.4	16,633	16,841	11,966	12,177
Mountain	17,909	22,004	-18.6	16,989	21,253	920	751
Pacific Contiguous	797	2,208	-63.9	W	W	W	W
Pacific Noncontiguous	281	82	241.0	W	W	W	W
U.S. Total	**182,848**	**203,765**	**-10.3**	**147,233**	**165,738**	**35,616**	**38,027**
Petroleum Liquids (thousand barrels)							
New England	3,524	3,891	-9.4	968	967	2,556	2,924
Middle Atlantic	7,832	9,100	-13.9	3,049	3,274	4,784	5,826
East North Central	2,174	2,220	-2.1	1,843	1,854	331	365
West North Central	1,509	1,525	-1.0	1,468	1,484	41	41
South Atlantic	12,565	13,081	-3.9	9,918	9,958	2,647	3,123
East South Central	2,288	2,186	4.7	W	W	W	W
West South Central	3,453	3,682	-6.2	2,795	2,892	658	791
Mountain	720	747	-3.5	654	679	66	67
Pacific Contiguous	528	732	-27.8	W	342	W	390
Pacific Noncontiguous	2,603	1,838	41.7	W	W	W	W
U.S. Total	**37,197**	**39,002**	**-4.6**	**25,784**	**25,424**	**11,413**	**13,578**
Petroleum Coke (thousand tons)							
New England	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
East North Central	67	91	-25.9	W	W	W	W
West North Central	W	23	W	W	23	--	--
South Atlantic	W	W	W	W	W	W	W
East South Central	W	343	W	W	343	--	--
West South Central	W	W	W	W	W	W	W
Mountain	W	W	W	--	--	W	W
Pacific Contiguous	71	20	250.2	--	--	71	20
Pacific Noncontiguous	--	--	--	--	--	--	--
U.S. Total	**1,137**	**1,258**	**-9.6**	**893**	**1,060**	**245**	**198**

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 3.4. Stocks of Coal by Coal Rank, 1996 through November 2010

Period	Electric Power Sector (Thousand Tons)			
	Bituminous Coal[1]	Sub-Bituminous Coal	Lignite Coal	Total
1996	**NA**	**NA**	**NA**	**114,623**
1997	**NA**	**NA**	**NA**	**98,826**
1998	**NA**	**NA**	**NA**	**120,501**
1999	**NA**	**NA**	**NA**	**141,604**
2000	**NA**	**NA**	**NA**	**102,296**
2001	**NA**	**NA**	**NA**	**138,496**
2002	**70,704**	**66,593**	**4,417**	**141,714**
2003	**57,716**	**59,884**	**3,967**	**121,567**
2004	**49,022**	**53,618**	**4,029**	**106,669**
2005	**52,923**	**44,377**	**3,836**	**101,137**
2006	**67,760**	**68,408**	**4,797**	**140,964**
2007	**63,964**	**82,692**	**4,565**	**151,221**
2008				
January	61,649	80,857	4,466	146,973
February	58,946	79,480	4,356	142,782
March	59,420	82,746	4,332	146,497
April	62,965	86,888	4,176	154,029
May	65,699	89,276	4,433	159,408
June	63,208	84,752	4,582	152,542
July	56,116	81,970	4,486	142,572
August	53,551	81,410	4,391	139,352
September	54,694	84,968	4,241	143,903
October	62,643	88,404	4,612	155,659
November	66,087	92,766	4,537	163,390
December	65,818	91,214	4,556	161,589
2009				
January	62,096	89,016	4,963	156,075
February	65,290	90,218	5,092	160,601
March	76,214	92,447	5,562	174,223
April	83,917	96,067	5,806	185,790
May	89,418	99,637	6,048	195,103
June	90,862	98,761	6,033	195,656
July	89,578	97,889	6,096	193,563
August	89,181	96,568	5,783	191,532
September	93,208	98,206	5,794	197,208
October	95,788	98,254	5,434	199,477
November	98,281	100,194	5,290	203,765
December	91,922	92,448	5,097	189,467
2010				
January	86,257	86,968	4,838	178,063
February	82,476	83,807	4,840	171,123
March	86,660	86,060	5,043	177,763
April	92,499	89,476	7,221	189,196
May	92,825	91,387	7,083	191,295
June	86,860	87,157	7,045	181,062
July	81,229	80,932	7,054	169,215
August	77,078	76,184	6,543	159,805
September	79,050	77,140	6,608	162,798
October	83,951	84,667	6,530	175,147
November	87,179	88,762	6,907	182,848

[1] Includes bituminous, anthracite, and coal synfuel.

NA = Not available.

Notes: • See Glossary for definitions. • Data excludes all waste coal. • Values for 2009 and prior years are final. Values for 2010 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Chapter 4. Receipts and Cost of Fossil Fuels

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 1996 through November 2010

Period	Coal[1]						Petroleum Liquids[2]					
	Receipts		Average Cost		Avg. Sulfur %	Percentage of Consumption[3]	Receipts		Average Cost		Avg. Sulfur %	Percentage of Consumption[3]
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)			(billion Btu)	(1000 barrels)	(dollars/ 10^6 Btu)	(dollars/ barrel)		
1996	**17,707,127**	**862,701**	**1.29**	**26.45**	**1.1**	**NA**	**673,845**	**106,629**	**3.16**	**19.95**	**1.0**	**NA**
1997	**18,095,870**	**880,588**	**1.27**	**26.16**	**1.1**	**NA**	**748,634**	**117,789**	**2.88**	**18.30**	**1.1**	**NA**
1998	**19,036,478**	**929,448**	**1.25**	**25.64**	**1.1**	**NA**	**1,048,098**	**165,191**	**2.14**	**13.55**	**1.1**	**NA**
1999	**18,460,617**	**908,232**	**1.22**	**24.72**	**1.0**	**NA**	**833,706**	**131,407**	**2.53**	**16.03**	**1.1**	**NA**
2000	**15,987,811**	**790,274**	**1.20**	**24.28**	**.9**	**NA**	**633,609**	**99,855**	**4.45**	**28.24**	**1.0**	**NA**
2001	**15,285,607**	**762,815**	**1.23**	**24.68**	**.9**	**NA**	**726,135**	**114,523**	**3.92**	**24.86**	**1.1**	**NA**
2002[4]	**17,981,987**	**884,287**	**1.25**	**25.52**	**.9**	**88.0**	**623,354**	**98,581**	**3.87**	**24.45**	**.9**	**67.2**
2003	**19,989,772**	**986,026**	**1.28**	**26.00**	**1.0**	**95.6**	**980,983**	**156,338**	**4.94**	**31.02**	**.8**	**82.6**
2004	**20,188,633**	**1,002,032**	**1.36**	**27.42**	**1.0**	**95.9**	**958,046**	**151,821**	**5.00**	**31.58**	**.9**	**81.7**
2005	**20,647,307**	**1,021,437**	**1.54**	**31.20**	**1.0**	**95.9**	**986,258**	**157,221**	**7.59**	**47.61**	**.8**	**84.7**
2006	**21,735,101**	**1,079,943**	**1.69**	**34.09**	**1.0**	**102.5**	**406,869**	**65,002**	**8.68**	**54.35**	**.7**	**74.0**
2007	**21,152,358**	**1,054,664**	**1.77**	**35.48**	**1.0**	**98.6**	**375,260**	**60,068**	**9.59**	**59.93**	**.7**	**62.6**
2008												
January	1,743,940	87,608	1.88	37.43	1.0	90.7	30,333	4,965	14.61	89.24	.5	79.2
February	1,672,298	84,048	1.89	37.57	1.0	94.8	23,415	3,852	15.03	91.35	.5	79.0
March	1,760,886	87,826	1.93	38.60	1.0	103.0	22,664	3,721	14.67	89.34	.6	88.3
April	1,735,817	86,916	1.97	39.27	1.0	110.4	37,385	6,041	14.65	90.64	.6	140.0
May	1,773,288	88,716	2.04	40.73	1.0	106.8	25,153	4,102	17.13	105.06	.7	91.4
June	1,714,653	85,523	2.08	41.75	1.0	93.7	49,858	8,019	18.34	114.04	.7	116.6
July	1,775,948	90,023	2.10	41.51	1.0	90.0	33,849	5,470	20.08	124.28	.6	97.1
August	1,893,985	95,235	2.18	43.30	1.0	97.6	30,755	4,973	19.33	119.57	.6	103.5
September	1,786,578	90,229	2.19	43.34	1.0	103.3	29,983	4,849	16.64	102.90	.7	88.3
October	1,872,106	93,941	2.21	43.98	1.0	114.7	26,219	4,270	15.55	95.48	.5	113.4
November	1,789,831	90,412	2.17	42.93	1.0	109.2	23,458	3,924	11.69	69.90	.5	92.9
December	1,760,930	89,232	2.16	42.60	1.0	97.8	42,611	6,953	8.35	51.17	.6	108.5
Total	**21,280,258**	**1,069,709**	**2.07**	**41.14**	**1.0**	**100.5**	**375,684**	**61,139**	**15.52**	**95.38**	**.6**	**99.6**
2009												
January	1,720,121	87,453	2.23	43.82	1.0	94.4	60,313	9,824	8.12	49.85	.6	103.5
February	1,625,951	81,869	2.27	45.04	1.0	107.7	36,212	5,925	8.08	49.36	.5	126.1
March	1,730,816	86,241	2.29	45.91	1.1	116.8	27,714	4,579	8.27	50.07	.5	107.2
April	1,611,589	80,674	2.22	44.33	1.0	117.4	20,270	3,367	9.12	54.93	.6	101.4
May	1,601,882	80,559	2.23	44.41	1.0	111.8	26,384	4,306	9.36	57.36	.6	99.6
June	1,610,705	81,077	2.22	44.01	1.0	100.5	27,740	4,532	10.58	64.74	.6	110.9
July	1,654,412	84,086	2.19	43.12	1.0	97.7	24,942	4,087	11.36	69.31	.5	98.5
August	1,730,279	87,237	2.21	43.81	1.0	98.6	27,505	4,496	12.17	74.47	.6	96.3
September	1,580,718	80,015	2.18	43.13	1.0	106.3	15,248	2,536	13.31	80.06	.4	77.1
October	1,551,796	78,556	2.17	42.88	1.0	102.9	18,956	3,119	12.86	78.17	.6	87.7
November	1,534,304	77,821	2.13	42.08	1.0	104.0	19,967	3,324	12.78	76.76	.4	122.5
December	1,485,395	75,890	2.14	41.97	1.0	84.1	24,793	4,087	13.22	80.22	.5	131.1
Total	**19,437,966**	**981,477**	**2.21**	**43.74**	**1.0**	**102.8**	**330,043**	**54,181**	**10.25**	**62.47**	**.5**	**104.8**
2010												
January	1,518,470	77,329	2.22	43.67	1.0	83.5	34,728	5,723	13.44	81.56	.5	91.6
February	1,457,997	73,983	2.27	44.67	1.1	90.4	18,160	3,003	13.59	82.20	.5	118.9
March	1,679,900	84,685	2.31	45.88	1.1	108.1	17,869	2,942	13.85	84.12	.5	120.2
April	1,561,693	78,431	2.29	45.56	1.1	114.1	11,731	1,965	14.86	88.71	.4	86.5
May	1,574,470	80,142	2.26	44.34	1.1	103.0	22,821	3,739	13.81	84.27	.6	103.2
June	1,550,129	79,036	2.25	44.10	1.1	88.6	27,114	4,435	13.35	81.65	.6	86.4
July	1,622,952	83,093	2.27	44.34	1.0	85.8	32,880	5,355	13.37	82.08	.5	91.4
August	1,732,454	87,750	2.29	45.29	1.1	90.8	30,479	4,942	13.31	82.05	.6	102.8
September	1,629,166	83,115	2.27	44.54	1.0	102.5	26,488	4,313	13.45	82.62	.6	129.9
October	1,664,674	84,892	2.26	44.38	1.1	116.5	17,030	2,823	14.92	89.99	.4	113.9
November	1,587,358	81,074	2.25	44.11	1.1	109.0	18,753	3,199	15.83	92.76	.4	134.5
Total	**17,579,264**	**893,529**	**2.27**	**44.64**	**1.1**	**98.2**	**258,054**	**42,440**	**13.81**	**84.00**	**.5**	**103.3**
Year to Date												
2008	19,519,328	980,478	2.06	41.01	1.0	100.7	333,072	54,186	16.44	101.05	.6	98.6
2009	17,952,572	905,586	2.21	43.89	1.0	104.7	305,250	50,094	10.01	61.02	.5	103.1
2010	17,579,264	893,529	2.27	44.64	1.1	98.2	258,054	42,440	13.81	84.00	.5	103.3
Rolling 12 Months Ending in November												
2009	19,713,502	994,818	2.21	43.77	1.0	104.0	347,862	57,047	9.81	59.82	.6	103.8
2010	19,064,659	969,419	2.26	44.43	1.1	96.9	282,847	46,527	13.76	83.67	.5	105.2

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] The Percent of Consumption calculation can be affected by a variety of factors, some of which may include (for all fuels): combined heat and power plants are reporting fuel receipts related to non-electric generating activities; and (for coal and petroleum) plants may be adding receipts to their stockpiles or may be consuming fuel from existing stocks.
[4] The years 2002 and beyond include data for electric utilities, independent power producers, and commercial and industrial combined heat and power producers. The years prior to 2002 include data for electric utilities only.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 1996 through November 2010 (Continued)

Period	Petroleum Coke						Natural Gas[1]				All Fossil Fuels
	Receipts		Average Cost		Avg. Sulfur %	Percentage of Consumption[2]	Receipts		Average Cost	Percentage of Consumption[2]	Average Cost
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)			(billion Btu)	(1000 Mcf)	(dollars/ 10^6 Btu)		(dollars/ 10^6 Btu)
1996	**39,300**	**1,410**	**.78**	**21.80**	**4.8**	**NA**	**2,649,028**	**2,604,663**	**2.64**	**NA**	**1.52**
1997	**61,609**	**2,192**	**.91**	**25.64**	**4.9**	**NA**	**2,817,639**	**2,764,734**	**2.76**	**NA**	**1.52**
1998	**91,923**	**3,217**	**.71**	**20.36**	**5.0**	**NA**	**2,985,866**	**2,922,957**	**2.38**	**NA**	**1.44**
1999	**82,083**	**2,906**	**.65**	**18.47**	**5.3**	**NA**	**2,862,084**	**2,809,455**	**2.57**	**NA**	**1.44**
2000	**47,855**	**1,683**	**.58**	**16.62**	**5.1**	**NA**	**2,681,659**	**2,629,986**	**4.30**	**NA**	**1.74**
2001	**56,851**	**2,019**	**.78**	**22.07**	**5.1**	**NA**	**2,209,089**	**2,148,924**	**4.49**	**NA**	**1.73**
2002[3]	**127,362**	**4,454**	**.78**	**22.32**	**5.0**	**60.6**	**5,749,844**	**5,607,737**	**3.56**	**80.3**	**1.86**
2003	**165,378**	**5,846**	**.72**	**20.39**	**5.3**	**82.7**	**5,663,023**	**5,500,704**	**5.39**	**86.8**	**2.28**
2004	**196,606**	**6,967**	**.83**	**23.48**	**5.1**	**79.9**	**5,890,750**	**5,734,054**	**5.96**	**85.2**	**2.48**
2005	**211,776**	**7,502**	**1.11**	**31.35**	**5.2**	**82.3**	**6,356,868**	**6,181,717**	**8.21**	**88.1**	**3.25**
2006	**203,270**	**7,193**	**1.33**	**37.46**	**5.2**	**83.4**	**6,855,680**	**6,675,246**	**6.94**	**90.2**	**3.02**
2007	**161,091**	**5,656**	**1.51**	**43.02**	**5.1**	**77.5**	**7,396,233**	**7,200,316**	**7.11**	**90.4**	**3.23**
2008											
January	17,826	628	1.62	45.90	4.8	106.2	655,654	639,424	8.19	102.4	3.73
February	11,843	422	1.82	50.98	5.1	78.6	551,902	538,625	8.58	103.1	3.66
March	17,874	630	1.82	51.74	5.1	135.8	578,022	563,326	9.25	103.0	3.83
April	17,428	612	1.79	51.09	5.1	122.6	584,233	569,441	9.89	103.6	4.11
May	14,632	516	1.96	55.63	5.2	107.4	590,929	575,650	10.73	103.0	4.33
June	17,008	596	2.01	57.29	5.1	103.4	785,758	764,785	12.04	101.9	5.45
July	18,058	636	1.96	55.68	4.7	121.2	910,265	886,610	11.51	101.2	5.45
August	14,951	524	2.75	78.31	5.0	94.2	895,385	872,038	8.79	101.7	4.46
September	14,601	509	2.49	71.37	4.9	97.8	717,290	697,349	7.68	102.7	3.91
October	17,215	603	2.39	68.28	4.8	109.0	665,308	648,116	6.69	102.8	3.50
November	18,045	636	2.38	67.44	4.7	126.2	566,435	551,846	6.45	102.8	3.28
December	20,244	728	2.30	63.95	5.2	143.6	588,286	571,835	6.68	102.7	3.37
Total	**199,724**	**7,040**	**2.11**	**59.72**	**5.0**	**111.5**	**8,089,467**	**7,879,046**	**9.01**	**102.5**	**4.12**
2009											
January	17,395	610	2.06	58.78	4.7	119.9	604,934	588,823	6.38	102.4	3.42
February	14,628	514	1.82	51.74	5.0	108.4	558,093	543,748	5.38	102.5	3.14
March	16,095	566	1.63	46.25	4.7	101.3	619,344	603,662	4.73	103.3	2.98
April	14,491	508	1.20	34.06	4.8	102.8	562,474	548,302	4.48	103.4	2.85
May	17,458	613	1.68	47.79	4.5	122.5	628,402	612,866	4.48	102.6	2.93
June	14,904	519	1.58	45.47	4.4	101.1	762,794	744,739	4.44	101.9	3.01
July	15,783	552	1.63	46.47	4.3	101.3	910,954	888,228	4.32	101.6	3.02
August	19,857	702	1.81	51.33	4.7	132.3	977,182	953,918	4.15	101.5	2.99
September	18,183	640	1.36	38.62	4.8	120.4	817,447	798,321	3.84	101.7	2.80
October	17,084	605	1.55	43.90	4.6	166.1	665,234	650,035	4.82	103.5	3.04
November	14,211	498	1.30	37.14	4.7	136.3	569,724	557,093	4.87	102.5	2.96
December	17,832	626	1.61	45.98	4.5	142.1	642,748	628,815	5.96	101.8	3.40
Total	**197,921**	**6,954**	**1.61**	**45.89**	**4.6**	**119.3**	**8,319,329**	**8,118,550**	**4.74**	**102.3**	**3.04**
2010											
January	15,163	532	1.69	48.12	4.9	100.4	669,526	654,726	6.70	102.2	3.73
February	9,238	325	1.79	50.93	4.8	70.1	584,468	571,683	6.06	102.0	3.43
March	13,032	459	2.05	58.23	4.7	90.2	567,779	555,603	5.28	102.5	3.14
April	14,802	518	2.13	60.91	4.9	115.0	579,380	566,430	4.70	101.9	3.00
May	13,080	459	2.17	61.84	4.8	95.9	675,583	660,558	4.77	102.2	3.12
June	14,881	524	2.09	59.39	5.0	96.3	824,561	806,559	5.11	101.4	3.35
July	16,562	587	2.36	66.56	4.5	99.5	1,027,488	1,004,961	5.18	101.0	3.51
August	18,038	634	2.59	73.84	4.6	139.4	1,075,300	1,051,693	4.92	101.0	3.40
September	14,508	509	2.61	74.41	4.8	122.5	815,804	797,640	4.44	101.3	3.11
October	14,533	508	2.36	67.45	4.7	119.2	684,376	669,065	4.29	102.3	2.94
November	9,864	354	2.14	59.56	5.1	95.6	606,015	593,214	4.34	102.2	2.94
Total	**153,702**	**5,410**	**2.21**	**62.68**	**4.8**	**103.4**	**8,110,280**	**7,932,131**	**5.05**	**101.7**	**3.25**
Year to Date											
2008	179,480	6,312	2.08	59.24	5.0	108.7	7,501,180	7,307,211	9.20	102.5	4.18
2009	180,088	6,328	1.61	45.88	4.6	117.5	7,676,581	7,489,735	4.64	102.3	3.01
2010	153,702	5,410	2.21	62.68	4.8	103.4	8,110,280	7,932,131	5.05	101.7	3.25
Rolling 12 Months Ending in November											
2009	200,332	7,056	1.68	47.74	4.7	119.7	8,264,867	8,061,570	4.78	102.4	3.04
2010	171,535	6,035	2.14	60.95	4.7	106.4	8,753,028	8,560,946	5.12	101.7	3.26

[1] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[2] The Percent of Consumption calculation can be affected by a variety of factors, some of which may include (for all fuels): combined heat and power plants are reporting fuel receipts related to non-electric generating activities; and (for coal and petroleum) plants may be adding receipts to their stockpiles or may be consuming fuel from existing stocks.
[3] The years 2002 and beyond include data for electric utilities, independent power producers, and commercial and industrial combined heat and power producers. The years prior to 2002 include data for electric utilities only.
NA = Not available.
Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.
Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1996 through November 2010

Period	Coal[1]					Petroleum Liquids[2]				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 barrels)	(dollars/ 10^6 Btu)	(dollars/ barrel)	
1996	**17,707,127**	**862,701**	**1.29**	**26.45**	**1.1**	**673,845**	**106,629**	**3.16**	**19.95**	**1.0**
1997	**18,095,870**	**880,588**	**1.27**	**26.16**	**1.1**	**748,634**	**117,789**	**2.88**	**18.30**	**1.1**
1998	**19,036,478**	**929,448**	**1.25**	**25.64**	**1.1**	**1,048,098**	**165,191**	**2.14**	**13.55**	**1.1**
1999	**18,460,617**	**908,232**	**1.22**	**24.72**	**1.0**	**833,706**	**131,407**	**2.53**	**16.03**	**1.1**
2000	**15,987,811**	**790,274**	**1.20**	**24.28**	**.9**	**633,609**	**99,855**	**4.45**	**28.24**	**1.0**
2001	**15,285,607**	**762,815**	**1.23**	**24.68**	**.9**	**726,135**	**114,523**	**3.92**	**24.85**	**1.1**
2002	**13,967,326**	**687,747**	**1.22**	**24.74**	**.9**	**407,442**	**63,809**	**3.74**	**23.88**	**1.0**
2003	**15,292,394**	**746,594**	**1.26**	**25.82**	**.9**	**605,651**	**95,534**	**4.68**	**29.66**	**1.0**
2004	**15,440,681**	**758,557**	**1.34**	**27.30**	**.9**	**592,478**	**93,034**	**4.80**	**30.57**	**1.0**
2005	**15,836,924**	**775,890**	**1.53**	**31.22**	**.9**	**566,320**	**89,303**	**7.17**	**45.46**	**.9**
2006	**16,197,852**	**797,361**	**1.69**	**34.26**	**.9**	**269,033**	**42,415**	**8.33**	**52.80**	**.8**
2007	**15,561,395**	**767,377**	**1.78**	**36.06**	**.9**	**216,349**	**34,026**	**9.24**	**58.73**	**.8**
2008										
January	1,241,738	61,721	1.87	37.62	.9	17,143	2,783	14.53	89.50	.5
February	1,195,274	59,460	1.87	37.56	.9	14,475	2,370	15.29	93.39	.4
March	1,265,256	62,538	1.90	38.44	.9	14,183	2,320	15.16	92.68	.5
April	1,245,783	62,004	1.93	38.74	.9	25,582	4,098	14.76	92.13	.7
May	1,285,815	63,810	2.02	40.67	.9	19,044	3,073	16.79	104.04	.7
June	1,249,004	61,901	2.06	41.60	.9	35,049	5,593	17.60	110.28	.7
July	1,291,731	64,837	2.09	41.62	.9	21,778	3,489	20.13	125.66	.7
August	1,361,729	67,802	2.17	43.58	1.0	21,626	3,463	19.24	120.15	.7
September	1,296,897	64,736	2.19	43.87	.9	21,723	3,477	16.34	102.13	.7
October	1,349,752	67,007	2.21	44.55	1.0	14,402	2,329	16.66	103.05	.5
November	1,304,334	65,269	2.19	43.69	1.0	12,909	2,164	12.68	75.68	.4
December	1,260,083	63,314	2.16	42.99	.9	23,023	3,733	8.77	54.08	.5
Total	**15,347,396**	**764,399**	**2.06**	**41.32**	**.9**	**240,937**	**38,891**	**15.83**	**98.09**	**.6**
2009										
January	1,233,059	62,045	2.24	44.50	1.0	29,873	4,823	8.00	49.53	.6
February	1,166,501	58,135	2.29	45.89	1.0	16,831	2,735	8.22	50.60	.5
March	1,262,590	62,252	2.30	46.57	1.1	13,499	2,206	8.41	51.46	.5
April	1,214,078	60,233	2.24	45.13	1.0	13,236	2,163	8.91	54.54	.6
May	1,189,059	59,231	2.24	45.02	1.0	19,852	3,208	9.27	57.36	.6
June	1,216,354	60,505	2.23	44.93	1.0	19,564	3,162	10.43	64.56	.6
July	1,245,525	62,486	2.20	43.88	1.0	18,610	3,025	11.24	69.15	.5
August	1,295,386	64,546	2.23	44.77	1.0	19,224	3,117	12.09	74.55	.6
September	1,189,015	59,392	2.19	43.88	1.0	10,050	1,659	13.17	79.80	.4
October	1,172,832	58,614	2.19	43.72	1.0	13,372	2,181	12.78	78.32	.5
November	1,141,864	57,441	2.14	42.51	1.0	12,932	2,118	12.87	78.57	.4
December	1,075,756	54,372	2.15	42.48	1.0	15,554	2,561	13.33	80.95	.4
Total	**14,402,019**	**719,253**	**2.22**	**44.47**	**1.0**	**202,598**	**32,959**	**10.44**	**64.18**	**.5**
2010										
January	1,088,693	55,000	2.20	43.64	1.0	23,859	3,889	13.16	80.73	.5
February	1,060,586	53,206	2.26	45.05	1.0	12,774	2,101	13.60	82.67	.4
March	1,212,452	60,291	2.32	46.59	1.0	11,193	1,846	14.20	86.08	.3
April	1,148,120	56,992	2.29	46.16	1.0	7,901	1,316	15.04	90.32	.2
May	1,149,472	57,813	2.26	45.02	1.0	16,302	2,652	13.66	83.97	.6
June	1,150,607	58,051	2.24	44.41	1.0	18,618	3,020	13.21	81.43	.6
July	1,195,205	60,392	2.26	44.80	1.0	21,713	3,514	13.34	82.41	.5
August	1,269,895	63,605	2.30	45.93	1.0	21,271	3,425	13.11	81.42	.6
September	1,184,312	59,712	2.28	45.17	1.0	18,706	3,020	13.39	82.94	.6
October	1,202,987	60,563	2.29	45.42	1.0	10,865	1,798	14.97	90.44	.4
November	1,146,728	57,814	2.27	44.98	1.0	12,737	2,164	15.85	93.28	.3
Total	**12,809,058**	**643,440**	**2.27**	**45.22**	**1.0**	**175,939**	**28,746**	**13.74**	**84.10**	**.5**
Year to Date										
2008	14,087,312	701,085	2.05	41.17	.9	217,915	35,158	16.58	102.76	.6
2009	13,326,263	664,881	2.23	44.63	1.0	187,043	30,397	10.20	62.77	.5
2010	12,809,058	643,440	2.27	45.22	1.0	175,939	28,746	13.74	84.10	.5
Rolling 12 Months Ending in November										
2009	14,586,346	728,195	2.22	44.49	1.0	210,066	34,130	10.04	61.82	.5
2010	13,884,814	697,812	2.26	45.00	1.0	191,493	31,308	13.71	83.84	.5

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" Beginning with 2008 data, the U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," replaced the following: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920, "Combined Heat and Power Plant Report;" U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1996 through November 2010 (Continued)

Period	Petroleum Coke					Natural Gas[1]			All Fossil Fuels[2]
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 Mcf)	(dollars/ 10^6 Btu)	(dollars/ 10^6 Btu)
1996	**39,300**	**1,410**	**.78**	**21.80**	**4.8**	**2,649,028**	**2,604,663**	**2.64**	**1.52**
1997	**61,609**	**2,192**	**.91**	**25.64**	**4.9**	**2,817,639**	**2,764,734**	**2.76**	**1.52**
1998	**91,923**	**3,217**	**.71**	**20.36**	**5.0**	**2,985,866**	**2,922,957**	**2.38**	**1.44**
1999	**82,083**	**2,906**	**.65**	**18.47**	**5.3**	**2,862,084**	**2,809,455**	**2.57**	**1.44**
2000	**47,855**	**1,683**	**.58**	**16.62**	**5.1**	**2,681,659**	**2,629,986**	**4.30**	**1.74**
2001	**56,851**	**2,019**	**.78**	**22.07**	**5.1**	**2,209,089**	**2,148,924**	**4.49**	**1.73**
2002	**75,711**	**2,677**	**.63**	**17.68**	**5.0**	**1,680,518**	**1,634,734**	**3.68**	**1.53**
2003	**89,618**	**3,165**	**.74**	**20.94**	**5.5**	**1,486,088**	**1,439,513**	**5.59**	**1.74**
2004	**107,985**	**3,817**	**.89**	**25.15**	**5.1**	**1,542,746**	**1,499,933**	**6.15**	**1.87**
2005	**102,450**	**3,632**	**1.29**	**36.31**	**5.2**	**1,835,221**	**1,780,721**	**8.32**	**2.38**
2006	**99,471**	**3,516**	**1.49**	**42.21**	**5.1**	**2,222,289**	**2,163,113**	**7.36**	**2.45**
2007	**84,812**	**2,964**	**1.73**	**49.57**	**5.1**	**2,378,104**	**2,315,637**	**7.47**	**2.61**
2008									
January	6,335	223	1.87	52.94	5.2	221,807	216,901	8.31	2.98
February	4,836	175	2.05	56.78	5.8	186,681	182,744	8.75	2.92
March	8,201	289	1.92	54.35	5.3	200,720	196,064	9.32	3.03
April	6,708	235	1.86	52.93	5.5	195,871	191,112	9.73	3.19
May	5,719	201	2.05	58.33	5.9	220,789	215,268	10.73	3.46
June	5,620	196	2.05	58.80	5.6	285,097	277,704	11.69	4.15
July	6,664	233	1.78	50.80	4.9	318,179	310,068	11.52	4.16
August	7,979	279	2.41	68.79	5.6	324,102	315,699	9.03	3.68
September	6,573	228	2.31	66.32	5.3	261,500	254,024	8.11	3.36
October	8,087	282	2.21	63.51	4.8	238,018	232,129	6.92	3.04
November	8,313	290	2.37	67.88	5.0	198,455	193,539	6.78	2.87
December	5,953	210	2.53	71.58	5.9	205,136	199,391	7.21	2.96
Total	**80,987**	**2,843**	**2.13**	**60.51**	**5.4**	**2,856,354**	**2,784,642**	**9.15**	**3.33**
2009									
January	10,608	371	2.06	58.77	5.0	208,081	202,538	7.05	3.03
February	7,746	272	1.92	54.69	5.6	197,128	192,399	6.24	2.92
March	8,784	309	1.72	48.78	5.1	227,853	222,311	5.59	2.84
April	8,205	289	1.15	32.78	5.2	199,495	194,561	5.47	2.74
May	11,038	388	1.86	52.96	4.7	232,241	226,655	5.35	2.83
June	7,574	263	1.78	51.22	4.7	293,235	286,460	5.14	2.89
July	7,553	263	1.73	49.77	4.5	343,209	334,815	5.03	2.90
August	10,909	386	1.94	54.90	5.0	360,777	352,110	4.91	2.91
September	10,248	361	1.39	39.40	5.3	299,818	293,133	4.66	2.75
October	9,024	320	1.58	44.49	4.9	237,676	232,677	5.63	2.85
November	7,688	269	1.21	34.68	5.3	205,042	201,085	5.70	2.77
December	9,747	341	1.64	46.90	5.1	228,578	223,896	6.46	3.01
Total	**109,126**	**3,833**	**1.68**	**47.84**	**5.0**	**3,033,133**	**2,962,640**	**5.50**	**2.87**
2010									
January	9,051	318	1.76	50.20	5.4	246,426	241,528	6.94	3.25
February	5,333	188	1.96	55.53	5.1	210,265	206,061	6.40	3.05
March	8,024	284	2.24	63.41	5.0	204,472	200,645	5.75	2.90
April	9,905	348	2.30	65.49	5.0	209,366	205,123	5.22	2.81
May	7,676	269	2.32	66.07	5.0	263,759	258,253	5.19	2.93
June	8,994	317	2.22	63.10	5.3	320,061	313,532	5.43	3.06
July	9,973	354	2.51	70.70	4.7	396,059	387,689	5.46	3.19
August	11,739	410	2.69	77.05	4.9	417,493	408,835	5.25	3.15
September	10,145	355	2.71	77.43	4.9	306,903	300,318	4.82	2.93
October	8,640	301	2.51	72.11	4.9	260,626	255,180	4.79	2.82
November	5,726	208	2.28	63.02	5.2	215,415	211,312	4.76	2.78
Total	**95,205**	**3,351**	**2.35**	**66.80**	**5.0**	**3,050,846**	**2,988,476**	**5.42**	**2.99**
Year to Date									
2008	75,034	2,633	2.09	59.63	5.3	2,651,219	2,585,251	9.30	3.36
2009	99,378	3,491	1.68	47.93	5.0	2,804,555	2,738,744	5.42	2.86
2010	95,205	3,351	2.35	66.80	5.0	3,050,846	2,988,476	5.42	2.99
Rolling 12 Months Ending in November									
2009	105,332	3,701	1.73	49.27	5.1	3,009,691	2,938,135	5.54	2.87
2010	104,952	3,692	2.29	64.96	5.0	3,279,424	3,212,372	5.49	2.99

[1] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[2] Includes blast furnace gas and other gases in years prior to 2001.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" Beginning with 2008 data, the U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," replaced the following: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920, "Combined Heat and Power Plant Report;" U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1996 through November 2010

Period	Coal[1]					Petroleum Liquids[2]				
	Receipts		Average Cost		Avg.	Receipts		Average Cost		Avg.
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)	Sulfur %	(billion Btu)	(1000 barrels)	(dollars/ 10^6 Btu)	(dollars/ barrel)	Sulfur %
1996	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1997	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1998	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1999	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2000	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2001	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2002[3]	**3,710,847**	**182,482**	**1.37**	**27.96**	**1.2**	**186,271**	**30,043**	**4.19**	**25.98**	**.6**
2003	**4,365,996**	**223,984**	**1.34**	**26.20**	**1.2**	**347,546**	**56,138**	**5.41**	**33.50**	**.6**
2004	**4,410,775**	**227,700**	**1.41**	**27.27**	**1.1**	**337,011**	**54,152**	**5.35**	**33.31**	**.6**
2005	**4,459,333**	**229,071**	**1.56**	**30.39**	**1.1**	**381,871**	**61,753**	**8.30**	**51.34**	**.5**
2006	**5,204,402**	**266,856**	**1.69**	**33.04**	**1.1**	**117,524**	**19,236**	**9.65**	**58.98**	**.5**
2007	**5,275,454**	**273,216**	**1.71**	**33.11**	**1.1**	**125,025**	**20,486**	**10.49**	**64.01**	**.5**
2008										
January	457,631	23,902	1.86	35.59	1.1	8,342	1,394	15.86	94.87	.3
February	433,975	22,657	1.89	36.19	1.0	5,447	915	15.70	93.44	.5
March	451,210	23,285	1.95	37.79	1.0	4,799	796	15.46	93.24	.4
April	444,735	22,892	2.02	39.18	1.1	6,887	1,150	15.96	95.62	.3
May	443,130	22,923	2.04	39.47	1.1	2,736	480	23.16	132.02	.3
June	421,886	21,675	2.09	40.67	1.2	9,938	1,636	22.10	134.26	.4
July	437,578	23,109	2.07	39.27	1.0	7,663	1,265	21.44	129.83	.4
August	485,395	25,353	2.12	40.66	1.0	5,109	859	21.61	128.51	.3
September	444,279	23,458	2.10	39.83	1.0	4,192	703	20.00	119.25	.4
October	477,927	24,938	2.13	40.77	1.1	8,305	1,365	14.74	89.71	.4
November	442,467	23,225	2.03	38.62	1.1	7,124	1,199	10.76	63.93	.4
December	454,930	23,841	2.08	39.61	1.1	11,583	1,894	8.30	50.77	.6
Total	**5,395,142**	**281,258**	**2.03**	**38.98**	**1.0**	**82,124**	**13,657**	**16.30**	**98.03**	**.4**
2009										
January	446,449	23,567	2.12	40.16	1.0	19,583	3,223	8.25	50.12	.4
February	417,710	21,834	2.15	41.04	1.0	11,257	1,851	7.77	47.23	.4
March	427,194	22,100	2.21	42.73	1.1	8,872	1,474	8.25	49.68	.4
April	358,734	18,683	2.09	40.17	1.1	2,928	505	10.48	60.72	.3
May	377,550	19,715	2.14	41.01	1.1	2,295	402	10.19	58.15	.3
June	355,973	18,831	2.09	39.47	1.1	3,082	527	11.54	67.43	.3
July	368,865	19,773	2.10	39.11	1.0	2,438	421	12.65	73.25	.3
August	393,511	20,796	2.08	39.31	1.1	3,716	629	13.25	78.32	.3
September	352,252	18,832	2.09	39.09	1.0	2,444	422	15.18	87.88	.3
October	341,134	18,223	2.06	38.52	1.0	2,450	423	13.94	80.80	.3
November	352,701	18,574	2.06	39.03	1.1	3,768	665	12.98	73.50	.3
December	371,008	19,758	2.07	38.92	1.1	5,196	866	13.41	80.51	.4
Total	**4,563,080**	**240,687**	**2.11**	**39.94**	**1.1**	**68,030**	**11,408**	**10.02**	**59.76**	**.4**
2010										
January	388,136	20,324	2.22	42.42	1.2	5,114	884	15.35	88.77	.2
February	356,026	18,780	2.22	42.07	1.1	2,177	374	14.90	86.77	.3
March	419,687	22,095	2.25	42.70	1.2	3,887	638	13.49	82.14	.6
April	375,335	19,696	2.23	42.46	1.2	1,977	342	15.29	88.38	.3
May	381,881	20,241	2.19	41.40	1.2	3,158	537	15.38	90.53	.4
June	358,540	19,122	2.20	41.31	1.2	4,623	780	14.34	85.02	.3
July	385,775	20,789	2.23	41.40	1.1	7,020	1,163	13.80	83.25	.4
August	417,955	22,115	2.22	41.94	1.1	4,784	799	14.65	87.68	.3
September	403,158	21,509	2.19	41.12	1.1	3,991	673	14.21	84.30	.4
October	421,412	22,481	2.14	40.15	1.1	3,452	578	15.57	92.94	.4
November	400,802	21,435	2.15	40.27	1.1	3,254	575	16.71	94.54	.2
Total	**4,308,706**	**228,586**	**2.20**	**41.55**	**1.2**	**43,437**	**7,344**	**14.74**	**87.18**	**.3**
Year to Date										
2008	4,940,212	257,416	2.03	38.93	1.0	70,541	11,763	17.61	105.64	.4
2009	4,192,072	220,928	2.11	40.03	1.1	62,834	10,542	9.74	58.06	.4
2010	4,308,706	228,586	2.20	41.55	1.2	43,437	7,344	14.74	87.18	.3
Rolling 12 Months Ending in November										
2009	4,647,001	244,770	2.11	39.99	1.1	74,417	12,436	9.52	56.95	.4
2010	4,679,714	248,345	2.19	41.34	1.1	48,633	8,210	14.60	86.48	.4

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Prior to 2002, these data were not collected from Independent Power Producers.
NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1996 through November 2010 (Continued)

Period	Petroleum Coke					Natural Gas[1]			All Fossil Fuels[2]
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 Mcf)	(dollars/ 10^6 Btu)	(dollars/ 10^6 Btu)
1996	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1997	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1998	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1999	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2000	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2001	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2002[3]	**47,805**	**1,639**	**1.03**	**29.98**	**4.9**	**3,198,108**	**3,126,308**	**3.55**	**2.42**
2003	**59,377**	**2,086**	**.60**	**17.16**	**4.9**	**3,335,086**	**3,244,368**	**5.33**	**3.15**
2004	**73,745**	**2,609**	**.72**	**20.30**	**5.0**	**3,491,942**	**3,403,474**	**5.86**	**3.43**
2005	**92,706**	**3,277**	**.90**	**25.42**	**5.1**	**3,675,165**	**3,578,722**	**8.20**	**4.69**
2006	**85,924**	**3,031**	**1.07**	**30.34**	**5.1**	**3,742,865**	**3,647,102**	**6.66**	**3.82**
2007	**56,580**	**1,994**	**1.02**	**28.95**	**4.9**	**4,097,825**	**3,990,546**	**6.92**	**4.06**
2008									
January	8,331	294	1.15	32.53	4.5	326,613	318,377	8.32	4.63
February	4,813	169	1.14	32.43	4.4	268,765	262,146	8.60	4.52
March	6,773	239	1.34	38.11	4.9	278,201	271,111	9.28	4.79
April	7,754	273	1.35	38.38	4.8	294,489	287,205	10.07	5.28
May	6,217	220	1.41	39.80	4.7	274,466	267,409	10.67	5.37
June	7,936	278	1.38	39.49	4.8	404,727	393,929	12.36	7.24
July	7,713	272	1.45	41.01	4.7	486,550	473,996	11.34	7.03
August	3,748	131	2.25	64.58	4.0	465,459	453,490	8.54	5.34
September	5,406	189	1.89	54.10	4.5	364,984	354,921	7.22	4.48
October	5,747	202	1.72	48.89	4.7	330,017	321,185	6.30	3.93
November	6,861	244	1.48	41.63	4.5	277,322	270,119	6.25	3.70
December	7,823	277	1.59	44.90	4.7	290,237	282,267	6.35	3.79
Total	**79,122**	**2,788**	**1.47**	**41.85**	**4.6**	**4,061,830**	**3,956,155**	**8.93**	**5.07**
2009									
January	3,025	105	1.57	45.18	3.9	297,293	289,321	6.01	3.78
February	3,999	140	1.39	39.94	4.2	273,521	266,236	4.93	3.31
March	4,037	141	1.18	33.71	4.3	294,042	286,461	4.19	3.07
April	3,311	114	1.05	30.45	3.8	270,846	263,955	3.92	2.90
May	3,671	128	1.13	32.50	4.1	304,347	296,712	4.00	2.98
June	4,314	150	1.15	33.16	3.5	371,888	362,969	4.02	3.10
July	5,369	188	1.39	39.58	3.9	461,124	449,506	3.86	3.09
August	5,154	181	1.55	44.13	4.1	506,176	494,315	3.69	3.02
September	4,221	148	1.17	33.45	3.8	410,838	401,063	3.39	2.82
October	4,873	172	1.43	40.59	4.0	324,805	317,184	4.42	3.24
November	3,050	106	1.20	34.73	3.3	266,906	260,688	4.37	3.10
December	4,596	160	1.41	40.51	3.4	305,787	299,310	5.84	3.83
Total	**49,619**	**1,732**	**1.31**	**37.63**	**3.9**	**4,087,573**	**3,987,721**	**4.30**	**3.18**
2010									
January	3,313	115	1.41	40.33	3.5	314,139	307,010	6.72	4.30
February	2,207	77	1.38	39.65	3.8	278,817	272,649	5.93	3.88
March	2,678	93	1.50	43.14	3.6	262,017	256,222	5.04	3.37
April	2,065	72	1.42	40.86	3.7	276,801	270,453	4.46	3.20
May	2,758	97	1.81	51.51	3.7	314,356	307,336	4.53	3.30
June	3,126	109	1.78	51.02	3.7	406,496	397,549	4.99	3.74
July	3,601	127	2.03	57.59	3.6	528,684	517,150	5.03	3.92
August	2,847	101	2.38	67.15	2.8	554,242	541,951	4.71	3.69
September	1,278	45	2.33	66.49	3.0	409,256	400,243	4.25	3.28
October	3,086	109	1.97	55.87	4.0	325,623	318,225	3.99	3.00
November	1,778	63	1.64	46.26	4.4	292,224	285,910	4.21	3.08
Total	**28,737**	**1,007**	**1.78**	**50.88**	**3.6**	**3,962,655**	**3,874,699**	**4.87**	**3.54**
Year to Date									
2008	71,299	2,511	1.46	41.51	4.6	3,771,593	3,673,888	9.13	5.18
2009	45,023	1,572	1.30	37.34	3.9	3,781,786	3,688,411	4.17	3.13
2010	28,737	1,007	1.78	50.88	3.6	3,962,655	3,874,699	4.87	3.54
Rolling 12 Months Ending in November									
2009	52,846	1,849	1.35	38.48	4.0	4,072,022	3,970,679	4.33	3.19
2010	33,333	1,167	1.73	49.46	3.6	4,268,441	4,174,009	4.94	3.56

[1] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[2] Includes blast furnace gas and other gases in years prior to 2001.
[3] Prior to 2002, these data were not collected from Independent Power Producers.
NA = Not available.
Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.
Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1996 through November 2010

Period	Coal					Petroleum Liquids[1]				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 barrels)	(dollars/ 10^6 Btu)	(dollars/ barrel)	
1996	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1997	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1998	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1999	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2000	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2001	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2002[2]	**9,580**	**399**	**2.10**	**50.44**	**2.6**	**503**	**91**	**5.38**	**29.73**	*****
2003	**8,835**	**372**	**1.99**	**47.24**	**2.4**	**248**	**43**	**7.00**	**40.82**	*****
2004	**10,682**	**451**	**2.08**	**49.32**	**2.5**	**3,066**	**527**	**6.19**	**35.96**	**.2**
2005	**11,081**	**464**	**2.57**	**61.21**	**2.4**	**1,684**	**289**	**8.28**	**48.22**	**.2**
2006	**12,207**	**518**	**2.63**	**61.95**	**2.5**	**798**	**137**	**13.50**	**78.70**	**.2**
2007	**12,419**	**531**	**2.67**	**62.46**	**2.6**	**249**	**43**	**14.04**	**81.93**	**.2**
2008										
January	3,801	177	2.34	50.22	1.7	431	72	16.23	97.52	.3
February	3,918	181	2.34	50.74	2.0	327	54	16.11	96.87	.4
March	3,691	173	2.38	50.82	1.6	193	33	17.91	106.02	.3
April	3,345	154	2.51	54.42	1.7	231	39	19.64	117.19	.4
May	3,146	145	2.49	54.03	1.7	183	31	25.50	149.53	.3
June	3,896	176	2.49	55.28	1.7	411	68	23.58	142.00	.4
July	3,927	173	2.81	64.05	1.8	361	60	22.84	138.58	.4
August	3,724	167	2.86	63.66	1.9	258	43	21.30	127.58	.4
September	3,884	175	3.07	68.19	1.7	228	38	19.98	119.46	.4
October	2,904	129	2.86	64.52	1.8	305	51	16.60	98.95	.3
November	3,089	137	2.98	67.31	1.8	308	52	14.32	85.33	.3
December	4,672	224	2.76	57.53	1.4	566	93	9.63	58.63	.5
Total	**43,997**	**2,009**	**2.65**	**58.12**	**1.7**	**3,800**	**633**	**17.84**	**107.10**	**.4**
2009										
January	4,051	188	2.88	62.20	1.7	1,089	177	9.18	56.39	.6
February	3,768	174	2.94	63.75	1.9	796	128	7.89	48.95	.7
March	3,839	176	2.85	62.34	1.7	205	35	10.11	60.17	.4
April	3,177	145	2.83	61.89	1.7	147	25	11.29	66.12	.3
May	2,841	130	2.90	63.09	1.6	146	25	11.56	67.68	.3
June	3,275	146	2.90	64.90	1.7	174	30	13.14	77.04	.2
July	3,245	146	2.91	64.59	1.8	120	20	13.69	80.17	.3
August	3,453	155	2.96	65.73	1.5	159	27	14.43	84.56	.3
September	3,282	147	3.06	68.33	1.7	138	24	14.56	85.01	.2
October	3,075	140	2.95	65.07	1.6	175	30	14.65	86.15	.3
November	3,466	160	2.86	62.19	1.6	139	24	15.32	89.88	.2
December	3,711	170	2.80	61.15	1.6	227	38	15.04	89.12	.3
Total	**41,182**	**1,876**	**2.90**	**63.68**	**1.7**	**3,517**	**583**	**10.82**	**65.26**	**.5**
2010										
January	3,836	176	2.77	60.42	1.7	277	46	13.16	79.27	.5
February	3,585	163	2.83	62.12	1.8	180	31	14.29	84.29	.3
March	3,810	173	2.84	62.52	1.6	173	29	14.87	88.32	.3
April	2,994	137	2.72	59.44	1.4	140	24	16.04	94.04	.2
May	2,953	137	2.66	57.19	1.3	253	42	13.89	83.02	.4
June	3,043	137	2.93	65.24	1.9	299	50	13.50	80.92	.4
July	3,197	142	2.79	62.77	2.0	338	56	13.42	80.56	.3
August	3,564	161	2.76	61.10	1.9	295	49	12.90	78.44	.5
September	3,313	150	2.83	62.52	1.8	282	47	13.18	79.77	.4
October	2,984	137	2.79	60.87	1.6	206	35	15.87	93.86	.3
November	3,507	159	2.82	62.16	1.7	171	29	15.63	92.82	.3
Total	**36,788**	**1,673**	**2.80**	**61.51**	**1.7**	**2,614**	**437**	**14.00**	**83.76**	**.4**
Year to Date										
2008	39,325	1,785	2.64	58.19	1.8	3,234	540	19.28	115.43	.4
2009	37,471	1,706	2.91	63.93	1.7	3,290	545	10.53	63.59	.5
2010	36,788	1,673	2.80	61.51	1.7	2,614	437	14.00	83.76	.4
Rolling 12 Months Ending in November										
2009	42,144	1,930	2.89	63.19	1.7	3,856	638	10.40	62.87	.5
2010	40,499	1,842	2.80	61.47	1.7	2,841	475	14.08	84.19	.4

[1] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[2] Prior to 2002, these data were not collected from the Commercial Sector.
NA = Not available.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.
Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1996 through November 2010 (Continued)

Period	Petroleum Coke					Natural Gas[1]			All Fossil Fuels[2]
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 Mcf)	(dollars/ 10^6 Btu)	(dollars/ 10^6 Btu)
1996	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1997	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1998	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1999	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2000	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2001	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2002[3]	**NA**	**NA**	**NA**	**NA**	**NA**	**18,671**	**18,256**	**3.44**	**3.03**
2003	**NA**	**NA**	**NA**	**NA**	**NA**	**18,169**	**17,827**	**4.96**	**4.02**
2004	**NA**	**NA**	**NA**	**NA**	**NA**	**16,176**	**15,804**	**5.93**	**4.58**
2005	**NA**	**NA**	**NA**	**NA**	**NA**	**17,600**	**17,142**	**8.38**	**6.25**
2006	**NA**	**NA**	**NA**	**NA**	**NA**	**21,369**	**20,819**	**8.33**	**6.42**
2007	**NA**	**NA**	**NA**	**NA**	**NA**	**23,502**	**22,955**	**7.99**	**6.20**
2008									
January	26	1	1.59	44.58	5.8	6,932	6,747	8.28	6.55
February	32	1	1.81	50.61	5.8	6,330	6,161	8.87	6.66
March	35	1	1.83	51.11	5.3	6,300	6,121	9.49	7.06
April	36	1	1.82	50.04	5.4	5,490	5,362	9.90	7.40
May	22	1	1.90	55.16	6.1	4,796	4,683	10.89	7.95
June	24	1	2.13	56.55	5.4	5,473	5,338	11.80	8.57
July	24	1	2.13	56.47	5.4	6,304	6,152	11.57	8.69
August	20	1	2.99	79.49	5.4	6,472	6,314	8.66	6.90
September	21	1	2.43	70.69	6.1	5,996	5,846	7.81	6.25
October	45	2	2.42	64.30	5.4	5,776	5,638	7.34	6.19
November	38	1	2.41	64.09	5.4	5,535	5,406	6.84	5.75
December	47	2	2.29	60.85	5.4	6,265	6,109	7.24	5.52
Total	**370**	**14**	**2.14**	**58.36**	**5.5**	**71,670**	**69,877**	**9.01**	**6.94**
2009									
January	39	1	2.04	54.08	5.4	7,139	6,961	6.92	5.77
February	32	1	1.83	52.21	5.4	6,392	6,231	6.20	5.19
March	25	1	1.65	47.07	4.9	6,601	6,442	5.61	4.69
April	--	--	--	--	--	5,830	5,701	4.87	4.26
May	--	--	--	--	--	5,637	5,511	4.69	4.21
June	--	--	--	--	--	6,252	6,113	4.62	4.19
July	1	*	1.61	46.08	4.6	7,449	7,278	4.58	4.18
August	41	1	1.82	51.51	4.9	7,990	7,821	4.37	4.08
September	27	1	1.34	38.11	5.1	7,450	7,285	4.05	3.88
October	--	--	--	--	--	6,757	6,615	5.00	4.54
November	35	1	1.26	35.88	5.1	6,344	6,214	5.26	4.55
December	53	2	1.56	44.39	4.9	7,293	7,135	6.03	5.13
Total	**252**	**9**	**1.65**	**46.54**	**5.1**	**81,134**	**79,308**	**5.18**	**4.58**
2010									
January	38	1	1.67	45.46	5.5	7,354	7,195	6.94	5.68
February	32	1	1.80	49.03	5.5	6,434	6,298	6.59	5.39
March	41	2	2.05	55.99	5.5	6,491	6,356	5.86	4.90
April	20	1	2.12	57.68	5.5	6,067	5,937	5.09	4.48
May	16	1	2.13	60.63	5.5	5,885	5,767	5.09	4.54
June	18	1	1.99	56.47	5.5	6,013	5,889	5.19	4.71
July	21	1	2.33	65.67	5.8	6,921	6,774	5.30	4.79
August	23	1	2.58	73.41	5.8	7,185	7,034	5.20	4.61
September	18	1	2.56	73.04	5.8	6,766	6,622	4.71	4.33
October	42	2	2.28	62.39	5.8	6,496	6,358	4.77	4.38
November	43	2	1.94	53.29	5.8	7,182	7,038	4.69	4.25
Total	**312**	**11**	**2.09**	**57.69**	**5.6**	**72,794**	**71,269**	**5.41**	**4.75**
Year to Date									
2008	323	12	2.12	57.98	5.6	65,405	63,768	9.18	7.09
2009	199	7	1.68	47.10	5.2	73,841	72,173	5.09	4.53
2010	312	11	2.09	57.69	5.6	72,794	71,269	5.41	4.75
Rolling 12 Months Ending in November									
2009	246	9	1.80	49.84	5.2	80,106	78,282	5.26	4.62
2010	365	13	2.01	55.81	5.5	80,087	78,404	5.47	4.78

[1] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[2] Includes blast furnace gas and other gases in years prior to 2001.
[3] Prior to 2002, these data were not collected from the Commercial Sector.
NA = Not available.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1996 through November 2010

Period	Coal[1]					Petroleum Liquids[2]				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 barrels)	(dollars/ 10^6 Btu)	(dollars/ barrel)	
1996	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1997	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1998	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1999	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2000	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2001	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2002[3]	**294,234**	**13,659**	**1.45**	**31.29**	**1.6**	**29,137**	**4,638**	**3.55**	**22.33**	**1.2**
2003	**322,547**	**15,076**	**1.45**	**31.01**	**1.4**	**27,538**	**4,624**	**4.85**	**28.86**	**1.3**
2004	**326,495**	**15,324**	**1.63**	**34.79**	**1.4**	**25,491**	**4,107**	**4.98**	**30.93**	**1.4**
2005	**339,968**	**16,011**	**1.94**	**41.17**	**1.4**	**36,383**	**5,876**	**6.64**	**41.13**	**1.4**
2006	**320,640**	**15,208**	**2.03**	**42.76**	**1.5**	**19,514**	**3,214**	**7.57**	**45.95**	**1.3**
2007	**303,091**	**13,540**	**2.20**	**49.16**	**1.4**	**33,637**	**5,514**	**8.53**	**52.06**	**1.3**
2008										
January	40,769	1,808	2.38	53.71	1.3	4,417	716	12.37	76.40	1.1
February	39,131	1,750	2.43	54.31	1.4	3,165	513	12.57	77.63	1.1
March	40,730	1,831	2.39	53.21	1.3	3,489	573	11.39	69.41	1.1
April	41,955	1,867	2.51	56.50	1.3	4,685	755	11.86	73.61	1.1
May	41,197	1,838	2.57	57.50	1.3	3,190	518	13.56	83.45	1.1
June	39,866	1,772	2.61	58.74	1.3	4,460	722	15.32	94.69	1.0
July	42,713	1,905	2.80	62.83	1.3	4,047	656	17.01	104.96	1.0
August	43,136	1,913	2.95	66.57	1.3	3,762	608	16.64	103.05	.9
September	41,519	1,860	3.00	66.97	1.3	3,840	632	14.46	87.91	.9
October	41,522	1,867	2.93	65.22	1.2	3,207	525	12.53	76.56	.9
November	39,941	1,782	3.10	69.42	1.3	3,118	510	9.46	57.86	1.0
December	41,245	1,852	2.96	65.82	1.3	7,440	1,233	7.02	42.38	1.0
Total	**493,724**	**22,044**	**2.72**	**60.96**	**1.3**	**48,822**	**7,958**	**12.50**	**76.69**	**1.0**
2009										
January	36,562	1,654	3.09	68.35	1.3	9,767	1,601	8.12	49.57	.9
February	37,973	1,726	2.95	65.01	1.3	7,327	1,211	8.24	49.88	.7
March	37,194	1,714	2.83	61.39	1.2	5,137	865	7.87	46.78	.8
April	35,600	1,612	2.76	60.96	1.2	3,957	673	8.75	51.40	.9
May	32,431	1,482	2.90	63.53	1.2	4,091	671	9.26	56.49	.8
June	35,103	1,594	2.76	60.80	1.2	4,920	813	10.45	63.24	.8
July	36,776	1,680	2.74	59.98	1.2	3,774	620	11.02	67.06	.8
August	37,929	1,739	2.75	59.95	1.1	4,406	723	11.55	70.39	.9
September	36,169	1,645	2.73	60.01	1.2	2,615	431	12.05	73.10	.9
October	34,755	1,579	2.72	59.97	1.3	2,959	485	12.25	74.72	1.0
November	36,274	1,646	2.72	59.84	1.2	3,129	517	12.05	72.96	.8
December	34,920	1,590	2.75	60.33	1.2	3,816	622	12.43	76.24	.9
Total	**431,686**	**19,661**	**2.81**	**61.68**	**1.2**	**55,899**	**9,232**	**9.83**	**59.52**	**.8**
2010										
January	37,804	1,829	2.77	57.19	1.3	5,477	904	12.90	78.18	.9
February	37,800	1,833	2.85	58.71	1.3	3,029	497	12.57	76.64	1.1
March	43,951	2,126	2.79	57.60	1.4	2,616	428	12.82	78.31	1.1
April	35,244	1,605	2.78	61.03	1.2	1,714	284	13.44	81.20	.9
May	40,163	1,950	2.62	53.87	1.3	3,108	508	12.96	79.30	.9
June	37,939	1,726	2.86	62.88	1.2	3,573	585	12.83	78.36	.8
July	38,775	1,769	2.82	61.80	1.3	3,809	621	12.75	78.19	.8
August	41,040	1,869	2.81	61.80	1.3	4,128	669	12.77	78.84	.9
September	38,383	1,744	2.88	63.46	1.3	3,510	574	12.94	79.18	.8
October	37,291	1,711	2.83	61.77	1.3	2,508	412	13.73	83.52	.9
November	36,322	1,666	2.82	61.53	1.3	2,590	431	14.62	87.79	.9
Total	**424,712**	**19,830**	**2.80**	**60.01**	**1.3**	**36,064**	**5,912**	**13.04**	**79.57**	**.9**
Year to Date										
2008	452,479	20,191	2.70	60.51	1.3	41,382	6,725	13.48	82.97	1.0
2009	396,766	18,071	2.81	61.80	1.2	52,083	8,610	9.64	58.32	.8
2010	424,712	19,830	2.80	60.01	1.3	36,064	5,912	13.04	79.57	.9
Rolling 12 Months Ending in November										
2009	438,011	19,923	2.83	62.17	1.2	59,523	9,842	9.31	56.32	.9
2010	459,632	21,420	2.80	60.04	1.3	39,879	6,535	12.99	79.25	.9

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Prior to 2002, these data were not collected from the Industrial Sector.
NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1996 through November 2010 (Continued)

Period	Petroleum Coke					Natural Gas[1]			All Fossil Fuels[2]
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/ 10^6 Btu)	(dollars/ ton)		(billion Btu)	(1000 Mcf)	(dollars/ 10^6 Btu)	(dollars/ 10^6 Btu)
1996	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1997	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1998	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1999	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2000	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2001	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2002	**3,846**	**138**	**.76**	**21.20**	**5.9**	**852,547**	**828,439**	**3.36**	**2.88**
2003[3]	**16,383**	**594**	**1.04**	**28.74**	**5.7**	**823,681**	**798,996**	**5.32**	**4.20**
2004	**14,876**	**540**	**.98**	**27.01**	**5.6**	**839,886**	**814,843**	**6.04**	**4.76**
2005	**16,620**	**594**	**1.21**	**33.75**	**5.4**	**828,882**	**805,132**	**8.00**	**6.18**
2006	**17,875**	**646**	**1.63**	**45.05**	**5.4**	**869,157**	**844,211**	**7.02**	**5.64**
2007	**19,700**	**698**	**1.96**	**55.42**	**5.5**	**896,803**	**871,178**	**6.97**	**5.78**
2008									
January	3,133	110	2.37	67.41	4.8	100,301	97,400	7.46	6.11
February	2,162	77	2.79	78.69	5.2	90,127	87,575	8.18	6.53
March	2,865	101	2.69	76.58	5.2	92,801	90,031	9.00	7.01
April	2,930	102	2.82	80.87	5.1	88,383	85,762	9.62	7.39
May	2,674	94	3.06	86.69	4.9	90,878	88,290	10.92	8.34
June	3,428	121	3.38	95.80	5.0	90,461	87,813	11.72	9.00
July	3,657	130	3.38	95.22	4.6	99,232	96,394	12.29	9.49
August	3,205	113	4.16	117.58	5.0	99,352	96,535	9.22	7.49
September	2,602	91	4.20	119.73	4.8	84,809	82,558	8.29	6.73
October	3,336	118	3.99	113.09	5.1	91,498	89,164	7.46	6.15
November	2,833	100	4.57	128.95	4.3	85,123	82,783	6.32	5.38
December	6,421	239	2.95	79.39	5.0	86,649	84,067	6.50	5.34
Total	**39,246**	**1,396**	**3.34**	**93.84**	**4.9**	**1,099,613**	**1,068,372**	**8.95**	**7.10**
2009									
January	3,723	132	2.47	69.67	4.4	92,422	90,002	5.97	5.29
February	2,851	101	2.13	60.08	4.5	81,052	78,882	4.75	4.37
March	3,249	115	1.94	54.76	4.3	90,847	88,448	4.25	3.94
April	2,974	105	1.47	41.48	4.5	86,303	84,086	3.95	3.71
May	2,748	98	1.68	47.32	4.7	86,177	83,988	3.79	3.69
June	3,016	106	1.71	48.63	4.8	91,419	89,197	3.91	3.80
July	2,861	101	1.79	50.71	4.5	99,172	96,629	4.01	3.82
August	3,753	133	1.80	50.73	4.5	102,238	99,672	3.71	3.65
September	3,688	130	1.50	42.30	4.5	99,342	96,840	3.22	3.21
October	3,187	113	1.68	47.23	4.5	95,996	93,558	4.13	3.89
November	3,438	122	1.59	44.65	4.6	91,432	89,106	4.42	4.07
December	3,436	122	1.80	50.60	4.5	101,090	98,473	5.19	4.71
Total	**38,924**	**1,381**	**1.80**	**50.82**	**4.5**	**1,117,489**	**1,088,880**	**4.27**	**4.02**
2010									
January	2,761	98	1.80	50.62	4.7	101,606	98,992	6.04	5.38
February	1,666	59	1.80	50.96	5.1	88,953	86,676	5.61	4.92
March	2,289	81	2.02	57.47	5.1	94,798	92,379	4.87	4.33
April	2,812	98	2.08	59.38	5.3	87,146	84,916	4.18	3.87
May	2,630	93	2.13	60.34	5.1	91,583	89,202	4.37	4.01
June	2,744	97	2.01	56.70	5.2	91,990	89,589	4.55	4.24
July	2,968	106	2.27	63.48	4.7	95,824	93,348	4.82	4.43
August	3,430	122	2.43	68.55	4.9	96,380	93,872	4.71	4.35
September	3,067	108	2.39	67.78	5.2	92,879	90,457	4.00	3.88
October	2,764	97	2.31	66.05	5.0	91,631	89,302	3.91	3.76
November	2,317	82	2.17	61.14	5.3	91,195	88,954	3.70	3.64
Total	**29,448**	**1,041**	**2.15**	**60.89**	**5.0**	**1,023,985**	**997,688**	**4.63**	**4.27**
Year to Date									
2008	32,824	1,157	3.41	96.82	4.9	1,012,964	984,305	9.16	7.26
2009	35,488	1,258	1.80	50.84	4.5	1,016,398	990,407	4.18	3.95
2010	29,448	1,041	2.15	60.89	5.0	1,023,985	997,688	4.63	4.27
Rolling 12 Months Ending in November									
2009	41,909	1,497	1.98	55.40	4.6	1,103,047	1,074,474	4.36	4.07
2010	32,884	1,163	2.12	59.81	5.0	1,125,076	1,096,161	4.68	4.31

[1] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
[2] Includes blast furnace gas and other gases in years prior to 2001.
[3] Prior to 2002, these data were not collected from the Industrial Sector.
NA = Not available.
Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.
Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, November 2010 and 2009
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**315**	**504**	**-37.6**	**69**	**66**	**240**	**433**	**--**	**--**	**NM**	**NM**
Connecticut	51	81	-36.7	--	--	51	81	--	--	--	--
Maine	10	7	38.9	--	--	8	6	--	--	2	1
Massachusetts	185	350	-47.1	--	--	181	346	--	--	NM	NM
New Hampshire	69	66	4.0	69	66	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**4,831**	**5,035**	**-4.0**	**NM**	**3**	**4,703**	**4,900**	**NM**	**4**	**123**	**127**
New Jersey	137	178	-23.3	NM	*	136	178	--	--	--	--
New York	406	420	-3.3	NM	3	382	386	--	2	20	28
Pennsylvania	4,289	4,437	-3.3	--	--	4,184	4,336	NM	NM	103	99
East North Central	**18,993**	**18,326**	**3.6**	**12,714**	**13,128**	**5,791**	**4,731**	**63**	**57**	**425**	**410**
Illinois	5,198	4,626	12.4	520	590	4,452	3,811	7	7	220	217
Indiana	4,391	4,395	-.1	3,978	4,150	379	218	26	20	NM	NM
Michigan	3,048	2,892	5.4	2,963	2,799	32	46	23	20	30	27
Ohio	4,168	4,105	1.5	3,200	3,408	924	651	--	NM	44	44
Wisconsin	2,188	2,308	-5.2	2,053	2,180	NM	NM	NM	NM	123	115
West North Central	**12,088**	**12,318**	**-1.9**	**11,668**	**11,907**	**NM**	**NM**	**32**	**32**	**383**	**374**
Iowa	2,335	2,301	1.5	2,070	2,055	--	--	21	22	243	224
Kansas	1,480	1,627	-9.1	1,480	1,627	--	--	--	--	--	--
Minnesota	1,300	1,552	-16.2	1,203	1,446	NM	NM	--	--	92	100
Missouri	3,892	3,176	22.5	3,866	3,153	--	--	10	9	NM	14
Nebraska	981	1,276	-23.1	973	1,267	--	--	--	--	NM	NM
North Dakota	1,894	2,190	-13.5	1,869	2,162	--	--	--	--	NM	NM
South Dakota	206	197	4.8	206	197	--	--	--	--	--	--
South Atlantic	**13,293**	**11,353**	**17.1**	**10,766**	**9,564**	**2,177**	**1,438**	**14**	**14**	**337**	**337**
Delaware	51	66	-23.6	--	--	50	66	--	--	NM	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,999	1,621	23.3	1,831	1,495	135	97	--	--	33	29
Georgia	2,622	2,720	-3.6	2,572	2,649	--	--	--	--	50	71
Maryland	952	672	41.6	--	--	914	642	--	--	37	30
North Carolina	2,595	1,917	35.4	2,454	1,800	92	75	9	10	41	33
South Carolina	1,454	1,341	8.4	1,415	1,300	NM	11	--	--	27	30
Virginia	738	911	-19.1	492	680	128	107	NM	NM	112	120
West Virginia	2,884	2,105	37.0	2,001	1,640	845	441	--	--	38	24
East South Central	**8,012**	**7,742**	**3.5**	**7,408**	**7,240**	**399**	**312**	**NM**	**NM**	**200**	**186**
Alabama	2,297	2,322	-1.1	2,251	2,278	NM	NM	--	--	38	37
Kentucky	3,323	3,394	-2.1	3,323	3,394	--	--	--	--	--	--
Mississippi	782	711	10.0	391	407	391	305	--	--	NM	NM
Tennessee	1,609	1,315	22.4	1,443	1,162	--	--	NM	NM	161	149
West South Central	**13,408**	**11,175**	**20.0**	**7,019**	**6,135**	**6,339**	**4,997**	**--**	**--**	**50**	**42**
Arkansas	1,518	1,231	23.2	1,273	1,223	230	--	--	--	15	8
Louisiana	1,374	1,313	4.7	716	673	658	639	--	--	NM	NM
Oklahoma	1,805	1,729	4.4	1,651	1,602	120	93	--	--	NM	34
Texas	8,712	6,901	26.2	3,380	2,636	5,331	4,265	--	--	--	--
Mountain	**9,166**	**10,485**	**-12.6**	**7,934**	**9,157**	**1,145**	**1,239**	**--**	**--**	**87**	**89**
Arizona	2,089	1,965	6.4	2,061	1,938	--	--	--	--	NM	26
Colorado	1,483	1,718	-13.7	1,460	1,694	23	24	--	--	--	--
Idaho	NM	NM	--	--	--	--	--	--	--	NM	NM
Montana	1,002	1,106	-9.4	NM	34	977	1,071	--	--	--	--
Nevada	220	347	-36.5	159	286	61	61	--	--	--	--
New Mexico	1,288	1,442	-10.7	1,288	1,442	--	--	--	--	--	--
Utah	1,008	1,340	-24.7	965	1,309	NM	31	--	--	3	--
Wyoming	2,061	2,552	-19.3	1,977	2,454	NM	51	--	--	40	48
Pacific Contiguous	**820**	**790**	**3.8**	**215**	**220**	**548**	**493**	**--**	**--**	**56**	**76**
California	113	119	-4.7	--	--	69	53	--	--	44	65
Oregon	215	220	-2.3	215	220	--	--	--	--	--	--
Washington	492	451	9.0	--	--	479	440	--	--	12	11
Pacific Noncontiguous	**148**	**93**	**59.4**	**NM**	**NM**	**87**	**25**	**44**	**49**	**--**	**--**
Alaska	79	85	-7.2	NM	NM	NM	17	44	49	--	--
Hawaii	69	8	750.3	--	--	69	8	--	--	--	--
U.S. Total	**81,074**	**77,821**	**4.2**	**57,814**	**57,441**	**21,435**	**18,574**	**159**	**160**	**1,666**	**1,646**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**5,368**	**6,179**	**-13.1**	**1,013**	**1,150**	**4,277**	**4,952**	**--**	**--**	**79**	**77**
Connecticut	1,131	1,061	6.5	--	--	1,131	1,061	--	--	--	--
Maine	81	57	42.9	--	--	50	27	--	--	31	30
Massachusetts	3,143	3,911	-19.6	--	--	3,095	3,864	--	--	48	47
New Hampshire	1,013	1,150	-11.9	1,013	1,150	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**55,653**	**55,165**	**.9**	**NM**	**49**	**54,150**	**53,721**	**20**	**41**	**1,438**	**1,354**
New Jersey	2,374	2,216	7.1	NM	5	2,370	2,211	--	--	--	--
New York	5,665	5,990	-5.4	NM	44	5,272	5,554	NM	26	347	366
Pennsylvania	47,614	46,958	1.4	--	--	46,507	45,955	NM	15	1,091	988
East North Central	**205,110**	**207,497**	**-1.2**	**141,053**	**147,419**	**58,795**	**54,929**	**606**	**665**	**4,658**	**4,483**
Illinois	51,829	50,313	3.0	5,952	5,620	43,252	42,165	55	60	2,570	2,468
Indiana	50,290	53,650	-6.3	45,870	49,560	4,043	3,727	282	272	95	91
Michigan	32,888	34,205	-3.9	32,182	33,418	173	243	187	227	346	317
Ohio	47,379	47,679	-.6	35,631	38,424	11,278	8,746	--	29	471	480
Wisconsin	22,723	21,650	5.0	21,417	20,397	NM	NM	82	78	1,176	1,127
West North Central	**137,699**	**136,663**	**.8**	**133,301**	**132,364**	**NM**	**NM**	**380**	**359**	**3,962**	**3,885**
Iowa	24,972	24,126	3.5	22,336	21,565	--	--	258	242	2,379	2,320
Kansas	18,919	18,757	.9	18,919	18,757	--	--	--	--	--	--
Minnesota	16,011	16,534	-3.2	14,919	15,450	NM	NM	--	--	1,037	1,029
Missouri	40,636	39,286	3.4	40,335	38,998	--	--	123	118	177	170
Nebraska	13,324	13,111	1.6	13,238	13,027	--	--	--	--	86	85
North Dakota	21,850	22,861	-4.4	21,567	22,580	--	--	--	--	284	280
South Dakota	1,988	1,986	.1	1,988	1,986	--	--	--	--	--	--
South Atlantic	**143,884**	**153,706**	**-6.4**	**116,536**	**127,101**	**23,252**	**22,731**	**150**	**147**	**3,946**	**3,726**
Delaware	780	1,451	-46.2	--	--	774	1,445	--	--	NM	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	24,415	22,547	8.3	22,189	20,319	1,847	1,862	--	--	378	367
Georgia	29,307	33,044	-11.3	28,544	32,421	--	--	--	--	762	623
Maryland	9,671	9,821	-1.5	--	--	9,256	9,442	--	--	415	379
North Carolina	24,865	27,075	-8.2	23,207	25,450	1,078	1,058	90	88	490	479
South Carolina	14,959	16,396	-8.8	14,581	16,073	140	135	--	--	238	189
Virginia	10,843	12,270	-11.6	7,763	9,502	1,706	1,287	60	59	1,313	1,422
West Virginia	29,043	31,101	-6.6	20,251	23,337	8,450	7,502	--	--	342	262
East South Central	**92,936**	**93,218**	**-.3**	**87,026**	**87,705**	**3,691**	**3,494**	**61**	**58**	**2,158**	**1,961**
Alabama	27,923	27,526	1.4	27,382	26,998	95	91	--	--	446	437
Kentucky	37,042	37,833	-2.1	37,042	37,833	--	--	--	--	--	--
Mississippi	7,634	8,278	-7.8	4,035	4,872	3,596	3,403	--	--	NM	NM
Tennessee	20,336	19,581	3.9	18,567	18,002	--	--	61	58	1,709	1,521
West South Central	**141,713**	**136,559**	**3.8**	**74,281**	**71,874**	**65,828**	**64,182**	**--**	**--**	**1,604**	**503**
Arkansas	15,557	13,237	17.5	14,949	13,125	459	--	--	--	149	112
Louisiana	13,032	15,759	-17.3	7,253	7,284	5,776	8,471	--	--	NM	NM
Oklahoma	18,099	19,934	-9.2	16,409	18,340	1,311	1,205	--	--	379	388
Texas	95,025	87,629	8.4	35,670	33,124	58,282	54,505	--	--	1,073	--
Mountain	**102,091**	**107,022**	**-4.6**	**88,171**	**95,547**	**12,532**	**10,119**	**--**	**--**	**1,388**	**1,355**
Arizona	20,134	20,650	-2.5	19,858	20,374	--	--	--	--	276	276
Colorado	17,261	17,731	-2.7	16,997	17,479	263	252	--	--	--	--
Idaho	168	162	3.5	--	--	--	--	--	--	168	162
Montana	10,937	8,717	25.5	284	270	10,653	8,446	--	--	--	--
Nevada	3,411	3,692	-7.6	2,672	3,146	739	546	--	--	--	--
New Mexico	13,167	15,059	-12.6	13,167	15,059	--	--	--	--	--	--
Utah	13,146	16,958	-22.5	12,284	16,098	388	391	--	--	474	469
Wyoming	23,867	24,053	-.8	22,908	23,121	489	484	--	--	470	448
Pacific Contiguous	**7,441**	**8,081**	**-7.9**	**1,822**	**1,483**	**5,020**	**5,871**	**--**	**--**	**598**	**726**
California	1,265	1,439	-12.0	--	--	771	808	--	--	494	630
Oregon	1,822	1,483	22.9	1,822	1,483	--	--	--	--	--	--
Washington	4,353	5,159	-15.6	--	--	4,249	5,063	--	--	104	96
Pacific Noncontiguous	**1,634**	**1,498**	**9.1**	**191**	**189**	**988**	**873**	**455**	**436**	**--**	**--**
Alaska	842	821	2.6	191	189	196	196	455	436	--	--
Hawaii	792	678	16.9	--	--	792	678	--	--	--	--
U.S. Total	**893,529**	**905,586**	**-1.3**	**643,440**	**664,881**	**228,586**	**220,928**	**1,673**	**1,706**	**19,830**	**18,071**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, November 2010 and 2009

(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**NM**	**90**	**--**	**NM**	**4**	**NM**	**14**	**NM**	**NM**	**NM**	**69**
Connecticut	NM	8	--	NM	NM	NM	8	--	--	NM	NM
Maine	NM	66	--	NM	NM	NM	NM	NM	NM	NM	65
Massachusetts	NM	10	--	NM	NM	NM	6	NM	NM	NM	3
New Hampshire	NM	4	--	NM	3	NM	NM	NM	2	NM	NM
Rhode Island	NM	NM	--	NM	NM	NM	*	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**531**	**399**	**33.2**	**225**	**4**	**286**	**365**	**NM**	**NM**	**NM**	**25**
New Jersey	196	110	79.2	NM	*	195	107	NM	NM	NM	NM
New York	290	213	36.6	225	3	NM	187	NM	NM	NM	19
Pennsylvania	NM	76	--	NM	NM	NM	71	NM	NM	NM	5
East North Central	**NM**	**93**	**--**	**NM**	**64**	**19**	**15**	**NM**	**NM**	**NM**	**NM**
Illinois	NM	16	--	NM	4	16	12	NM	NM	NM	NM
Indiana	NM	11	--	NM	10	NM	NM	NM	NM	NM	2
Michigan	NM	38	--	NM	30	NM	NM	NM	NM	NM	NM
Ohio	NM	NM	--	NM	15	3	3	--	--	NM	NM
Wisconsin	NM	5	--	5	4	NM	NM	NM	NM	NM	NM
West North Central	**NM**	**51**	**--**	**NM**	**44**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
Iowa	24	12	100.9	24	12	NM	NM	NM	NM	NM	NM
Kansas	NM	NM	--	NM	NM	--	--	--	--	--	--
Minnesota	NM	12	--	8	8	NM	NM	NM	NM	NM	NM
Missouri	NM	17	--	NM	17	--	--	NM	NM	NM	NM
Nebraska	14	3	425.9	14	3	--	--	--	--	--	--
North Dakota	NM	NM	--	7	4	--	--	NM	NM	NM	NM
South Dakota	NM	NM	--	NM	NM	NM	NM	NM	--	--	--
South Atlantic	**414**	**899**	**-53.9**	**238**	**636**	**NM**	**28**	**NM**	**NM**	**NM**	**233**
Delaware	NM	NM	--	NM	--	NM	2	--	--	NM	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	501	--	98	441	NM	NM	--	--	NM	56
Georgia	NM	52	--	13	7	--	--	NM	NM	NM	45
Maryland	NM	54	--	NM	NM	NM	14	NM	NM	2	39
North Carolina	NM	56	--	19	21	NM	NM	NM	NM	NM	NM
South Carolina	54	41	30.9	20	12	--	--	NM	NM	34	29
Virginia	NM	167	--	72	133	NM	NM	1	1	NM	NM
West Virginia	16	25	-33.6	16	21	1	4	--	--	--	--
East South Central	**491**	**104**	**372.5**	**415**	**29**	**NM**	**NM**	**--**	**--**	**NM**	**75**
Alabama	121	78	55.7	51	8	NM	NM	--	--	NM	69
Kentucky	NM	16	--	NM	16	--	--	--	--	--	--
Mississippi	NM	NM	--	NM	NM	--	--	--	--	NM	NM
Tennessee	353	NM	--	348	4	--	--	--	--	NM	NM
West South Central	**NM**	**55**	**--**	**NM**	**20**	**9**	**7**	**NM**	**NM**	**NM**	**NM**
Arkansas	NM	NM	--	NM	10	2	--	--	--	NM	NM
Louisiana	NM	NM	--	NM	2	1	3	--	--	NM	NM
Oklahoma	NM	3	--	NM	NM	--	--	NM	NM	NM	1
Texas	NM	21	--	NM	7	6	4	NM	NM	NM	NM
Mountain	**139**	**39**	**260.1**	**135**	**33**	**NM**	**5**	**NM**	**NM**	**NM**	**NM**
Arizona	12	20	-42.7	11	20	--	--	NM	NM	NM	NM
Colorado	93	NM	--	93	2	NM	NM	NM	NM	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	NM	NM	--	NM	NM	3	4	--	--	NM	NM
Nevada	3	1	359.5	3	NM	1	1	--	--	--	--
New Mexico	7	3	168.4	7	3	--	--	--	--	NM	NM
Utah	6	6	-3.9	6	6	--	--	--	--	--	--
Wyoming	NM	2	--	14	2	--	--	--	--	NM	NM
Pacific Contiguous	**NM**	**50**	**--**	**8**	**28**	**1**	**6**	**NM**	**NM**	**NM**	**NM**
California	NM	14	--	NM	11	NM	2	NM	NM	*	*
Oregon	NM	NM	--	--	--	--	--	--	--	NM	NM
Washington	NM	NM	--	5	17	1	3	NM	NM	NM	NM
Pacific Noncontiguous	**1,216**	**1,545**	**-21.3**	**950**	**1,256**	**206**	**225**	**NM**	**NM**	**NM**	**59**
Alaska	140	179	-21.5	130	168	--	--	NM	NM	NM	7
Hawaii	1,075	1,366	-21.3	820	1,088	206	225	*	*	NM	52
U.S. Total	**3,199**	**3,324**	**-3.7**	**2,164**	**2,118**	**575**	**665**	**29**	**24**	**431**	**517**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**2,826**	**4,359**	**-35.2**	**236**	**405**	**1,396**	**2,341**	**NM**	**286**	**974**	**1,326**
Connecticut	545	643	-15.2	NM	NM	494	572	--	NM	NM	66
Maine	1,029	1,256	-18.1	NM	NM	316	277	NM	NM	703	970
Massachusetts	1,039	1,991	-47.8	NM	143	585	1,482	NM	79	NM	287
New Hampshire	NM	378	--	28	227	NM	9	NM	139	NM	NM
Rhode Island	NM	82	--	NM	NM	NM	1	NM	60	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**3,826**	**8,078**	**-52.6**	**1,776**	**3,506**	**1,728**	**4,155**	**NM**	**70**	**NM**	**347**
New Jersey	483	903	-46.5	124	NM	337	506	NM	NM	NM	18
New York	2,577	5,853	-56.0	1,652	3,132	699	2,418	NM	59	NM	244
Pennsylvania	766	1,321	-42.0	NM	NM	692	1,231	NM	NM	NM	84
East North Central	**1,635**	**1,785**	**-8.4**	**1,094**	**1,192**	**304**	**259**	**NM**	**NM**	**193**	**283**
Illinois	242	230	5.2	NM	58	194	165	NM	6	NM	NM
Indiana	304	287	5.7	246	221	NM	NM	NM	NM	50	60
Michigan	484	662	-26.8	397	517	NM	NM	35	NM	NM	101
Ohio	509	497	2.5	344	320	96	87	--	--	NM	NM
Wisconsin	NM	109	--	61	76	8	NM	NM	NM	NM	NM
West North Central	**885**	**781**	**13.3**	**803**	**659**	**8**	**24**	**NM**	**36**	**NM**	**NM**
Iowa	178	121	46.8	174	117	NM	NM	NM	NM	NM	NM
Kansas	91	69	32.9	91	69	--	--	NM	NM	--	--
Minnesota	113	187	-39.8	70	114	4	20	NM	35	NM	NM
Missouri	338	185	82.8	333	180	--	--	NM	NM	NM	NM
Nebraska	55	77	-28.2	55	77	--	--	--	--	--	--
North Dakota	96	122	-21.1	68	84	--	--	NM	NM	NM	NM
South Dakota	13	NM	--	13	NM	NM	NM	NM	NM	--	--
South Atlantic	**15,227**	**16,067**	**-5.2**	**11,349**	**11,279**	**1,467**	**1,064**	**NM**	**NM**	**2,397**	**3,694**
Delaware	68	628	-89.1	NM	NM	66	118	--	--	NM	510
District of Columbia	431	52	734.3	--	--	431	52	--	--	--	--
Florida	10,477	10,138	3.3	9,349	8,905	323	93	--	--	805	1,140
Georgia	642	714	-10.1	152	140	29	6	NM	NM	458	564
Maryland	398	370	7.6	NM	NM	368	288	NM	NM	21	73
North Carolina	693	824	-15.9	318	318	NM	NM	NM	NM	366	498
South Carolina	646	697	-7.4	194	233	--	--	NM	NM	452	458
Virginia	1,658	2,398	-30.8	1,125	1,456	235	473	7	17	292	451
West Virginia	212	245	-13.6	206	219	6	26	--	--	--	--
East South Central	**1,844**	**1,832**	**.7**	**1,033**	**583**	**29**	**31**	**--**	**--**	**782**	**1,218**
Alabama	890	1,261	-29.4	177	131	29	31	--	--	684	1,099
Kentucky	306	226	35.4	306	226	--	--	--	--	--	--
Mississippi	153	51	199.6	133	32	--	--	--	--	NM	NM
Tennessee	494	293	68.5	416	194	--	--	--	--	NM	NM
West South Central	**786**	**859**	**-8.5**	**270**	**290**	**107**	**96**	**NM**	**24**	**382**	**448**
Arkansas	NM	197	--	40	132	5	--	--	--	NM	NM
Louisiana	418	380	9.9	168	99	30	30	--	--	NM	252
Oklahoma	NM	34	--	NM	19	--	--	NM	NM	NM	15
Texas	262	247	5.9	47	41	73	66	NM	24	NM	117
Mountain	**566**	**409**	**38.1**	**512**	**339**	**39**	**55**	**NM**	**NM**	**NM**	**NM**
Arizona	97	82	17.5	93	78	--	--	NM	NM	NM	4
Colorado	163	36	356.1	162	35	NM	NM	NM	NM	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	36	45	-21.1	NM	1	33	42	--	--	NM	NM
Nevada	23	30	-24.8	17	18	6	12	--	--	--	--
New Mexico	83	73	14.4	83	73	--	--	--	--	NM	NM
Utah	58	NM	--	58	NM	--	--	--	--	--	--
Wyoming	107	92	15.6	98	82	--	--	--	--	NM	10
Pacific Contiguous	**309**	**677**	**-54.4**	**88**	**175**	**25**	**76**	**NM**	**NM**	**NM**	**416**
California	77	307	-75.1	70	93	NM	53	NM	NM	3	161
Oregon	NM	78	--	5	58	--	--	--	--	NM	NM
Washington	218	292	-25.5	14	24	22	23	NM	10	NM	235
Pacific Noncontiguous	**14,537**	**15,248**	**-4.7**	**11,583**	**11,970**	**2,241**	**2,442**	**36**	**37**	**677**	**799**
Alaska	1,474	1,892	-22.1	1,369	1,782	--	--	32	33	72	77
Hawaii	13,063	13,356	-2.2	10,214	10,187	2,241	2,442	3	4	605	722
U.S. Total	**42,440**	**50,094**	**-15.3**	**28,746**	**30,397**	**7,344**	**10,542**	**437**	**545**	**5,912**	**8,610**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, November 2010 and 2009
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**7**	**--**	**--**	**--**	**10**	**1**	**--**	**--**	**NM**	**6**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	10	*	--	--	--	10	*	--	--	--	--
Pennsylvania	NM	7	--	--	--	NM	1	--	--	NM	6
East North Central	**NM**	**65**	**--**	**21**	**15**	**5**	**8**	**--**	**--**	**NM**	**NM**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	20	--	NM	1	5	8	--	--	NM	11
Ohio	NM	NM	--	--	--	--	--	--	--	NM	NM
Wisconsin	33	30	10.3	20	15	--	--	--	--	NM	NM
West North Central	**8**	**6**	**42.5**	**6**	**4**	**--**	**--**	**NM**	**1**	**--**	**--**
Iowa	3	1	134.1	1	--	--	--	NM	1	--	--
Kansas	5	3	62.8	5	3	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	1	--	--	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**81**	**68**	**19.5**	**52**	**33**	**--**	**--**	**--**	**--**	**29**	**35**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	52	33	59.7	52	33	--	--	--	--	--	--
Georgia	29	35	-17.9	--	--	--	--	--	--	29	35
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**57**	**118**	**-51.4**	**57**	**118**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	57	118	-51.4	57	118	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**84**	**162**	**-47.9**	**71**	**98**	**1**	**36**	**--**	**--**	**NM**	**27**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	83	125	-33.4	71	98	--	--	--	--	NM	27
Oklahoma	NM	*	--	--	--	--	--	--	--	NM	*
Texas	NM	37	--	--	--	1	36	--	--	NM	NM
Mountain	**16**	**15**	**7.6**	**--**	**--**	**16**	**15**	**--**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	16	15	7.6	--	--	16	15	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**NM**	**58**	**--**	**--**	**--**	**NM**	**46**	**--**	**--**	**NM**	**NM**
California	NM	58	--	--	--	NM	46	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**354**	**498**	**-28.9**	**208**	**269**	**63**	**106**	**2**	**1**	**82**	**122**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**255**	--	--	--	**124**	**177**	--	--	**NM**	**78**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	119	164	-27.5	--	--	119	164	--	--	--	--
Pennsylvania	NM	91	--	--	--	NM	13	--	--	NM	78
East North Central	**617**	**849**	**-27.2**	**187**	**195**	**25**	**135**	--	--	**NM**	**519**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	13	--	--	10	--	4	--	--	--	--
Michigan	NM	176	--	NM	10	25	39	--	--	NM	127
Ohio	NM	280	--	--	--	--	92	--	--	NM	NM
Wisconsin	327	380	-13.7	179	175	--	--	--	--	NM	204
West North Central	**86**	**63**	**37.5**	**75**	**56**	--	--	**NM**	**7**	--	--
Iowa	NM	7	--	32	*	--	--	NM	7	--	--
Kansas	42	45	-6.9	42	45	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	1	11	-86.4	1	11	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**1,730**	**1,602**	**8.0**	**1,508**	**1,364**	--	--	--	--	**222**	**237**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,499	1,335	12.3	1,499	1,335	--	--	--	--	--	--
Georgia	222	237	-6.4	--	--	--	--	--	--	222	237
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	9	30	-69.7	9	30	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**642**	**924**	**-30.5**	**642**	**924**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	642	924	-30.5	642	924	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**1,381**	**1,712**	**-19.3**	**939**	**953**	**221**	**490**	--	--	**NM**	**269**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,151	1,211	-4.9	939	953	--	--	--	--	NM	258
Oklahoma	NM	1	--	--	--	--	--	--	--	NM	1
Texas	229	500	-54.2	--	--	221	490	--	--	NM	NM
Mountain	**206**	**236**	**-12.8**	--	--	**206**	**236**	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	206	236	-12.8	--	--	206	236	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**NM**	**688**	--	--	--	**NM**	**533**	--	--	**NM**	**156**
California	NM	688	--	--	--	NM	533	--	--	NM	156
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**5,410**	**6,328**	**-14.5**	**3,351**	**3,491**	**1,007**	**1,572**	**11**	**7**	**1,041**	**1,258**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, November 2010 and 2009
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**37,954**	**33,551**	**13.1**	**1,120**	**327**	**33,078**	**29,188**	**949**	**1,280**	**2,807**	**2,757**
Connecticut	9,428	5,875	60.5	6	3	8,894	5,391	73	NM	454	390
Maine	4,787	5,381	-11.0	--	--	2,882	3,422	NM	NM	1,904	1,958
Massachusetts	14,430	13,917	3.7	718	84	12,650	12,802	644	651	419	380
New Hampshire	5,623	3,230	74.1	392	233	5,202	2,968	--	--	NM	NM
Rhode Island	3,680	5,142	-28.4	--	--	3,449	4,605	231	537	--	--
Vermont	4	7	-35.2	4	7	--	--	--	--	--	--
Middle Atlantic	**72,152**	**60,408**	**19.4**	**9,559**	**8,445**	**59,908**	**48,727**	**737**	**505**	**1,948**	**2,731**
New Jersey	14,951	13,932	7.3	--	--	14,089	12,700	146	130	717	1,102
New York	33,814	28,662	18.0	9,556	8,441	23,222	19,145	525	324	511	752
Pennsylvania	23,387	17,815	31.3	NM	NM	22,597	16,882	66	NM	720	877
East North Central	**22,399**	**16,833**	**33.1**	**4,240**	**2,477**	**13,767**	**10,872**	**1,432**	**755**	**2,960**	**2,729**
Illinois	2,062	1,967	4.8	37	73	786	791	551	465	687	637
Indiana	5,939	3,347	77.5	1,895	359	2,501	1,512	94	NM	1,449	1,416
Michigan	7,179	5,591	28.4	98	484	6,218	4,804	507	40	355	264
Ohio	5,256	2,545	106.5	1,522	91	3,591	2,367	--	--	142	NM
Wisconsin	1,964	3,384	-42.0	687	1,470	671	1,398	280	191	326	326
West North Central	**6,511**	**5,777**	**12.7**	**4,617**	**4,428**	**815**	**257**	**223**	**203**	**856**	**889**
Iowa	836	1,088	-23.2	497	503	--	NM	NM	NM	304	518
Kansas	1,063	1,675	-36.6	1,063	1,675	--	--	--	--	--	--
Minnesota	3,328	1,953	70.4	1,962	1,269	752	221	172	135	442	328
Missouri	1,051	835	25.8	968	795	63	NM	16	1	NM	NM
Nebraska	114	68	66.7	114	68	NM	NM	NM	NM	--	--
North Dakota	108	NM	--	NM	NM	--	--	--	--	106	NM
South Dakota	NM	117	--	NM	117	--	--	--	--	--	--
South Atlantic	**99,384**	**94,670**	**5.0**	**77,739**	**80,201**	**17,716**	**10,789**	**NM**	**NM**	**3,585**	**3,399**
Delaware	1,492	757	97.0	NM	NM	1,467	609	--	--	NM	142
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	65,664	69,209	-5.1	58,987	62,932	4,880	4,632	NM	NM	1,490	1,366
Georgia	10,850	10,602	2.3	4,846	5,495	4,875	4,026	--	--	1,129	1,080
Maryland	1,185	893	32.7	--	--	972	597	NM	NM	212	296
North Carolina	4,411	2,262	95.0	3,494	2,235	735	4	NM	NM	NM	NM
South Carolina	5,559	5,950	-6.6	4,853	5,556	606	320	NM	NM	99	75
Virginia	10,087	4,800	110.1	5,547	3,942	4,139	536	--	--	NM	NM
West Virginia	136	196	-30.4	3	35	42	66	--	--	91	NM
East South Central	**39,471**	**30,670**	**28.7**	**19,757**	**15,355**	**16,438**	**12,956**	**167**	**NM**	**3,108**	**2,294**
Alabama	21,559	16,336	32.0	7,518	6,056	11,836	8,586	--	--	2,205	1,695
Kentucky	811	640	26.7	478	446	--	26	--	--	333	169
Mississippi	15,286	13,550	12.8	10,218	8,807	4,603	4,345	NM	NM	434	NM
Tennessee	1,815	144	NM	1,543	45	--	--	135	NM	137	NM
West South Central	**172,190**	**166,101**	**3.7**	**41,510**	**37,405**	**69,972**	**68,492**	**612**	**549**	**60,097**	**59,656**
Arkansas	3,434	2,966	15.8	296	48	2,452	1,975	NM	NM	685	944
Louisiana	34,482	34,784	-.9	9,581	9,260	4,181	4,061	NM	NM	20,672	21,420
Oklahoma	15,184	15,326	-.9	13,048	11,531	1,632	3,094	NM	NM	NM	601
Texas	119,090	113,025	5.4	18,585	16,566	61,706	59,363	431	406	38,367	36,690
Mountain	**44,822**	**47,586**	**-5.8**	**23,965**	**24,277**	**19,561**	**21,969**	**NM**	**NM**	**1,176**	**1,230**
Arizona	15,019	16,015	-6.2	4,918	6,549	10,019	9,408	NM	NM	NM	--
Colorado	6,329	7,335	-13.7	2,541	2,506	3,772	4,809	NM	NM	NM	NM
Idaho	1,093	1,075	1.6	110	159	859	786	--	--	124	131
Montana	98	79	22.9	NM	3	NM	48	--	--	57	NM
Nevada	12,386	14,224	-12.9	9,523	9,205	2,846	4,890	--	--	NM	129
New Mexico	4,706	4,807	-2.1	3,110	2,945	1,550	1,815	NM	NM	--	*
Utah	4,332	3,188	35.9	3,719	2,836	472	212	--	NM	NM	NM
Wyoming	860	863	-.3	43	73	NM	NM	--	--	814	788
Pacific Contiguous	**95,515**	**97,876**	**-2.4**	**26,069**	**24,632**	**54,655**	**57,439**	**2,454**	**2,466**	**12,337**	**13,339**
California	78,675	79,575	-1.1	17,838	15,627	46,871	49,047	NM	2,350	11,673	12,551
Oregon	10,815	11,277	-4.1	3,884	3,867	6,530	6,841	--	--	401	569
Washington	6,025	7,024	-14.2	4,347	5,138	1,255	1,551	160	116	263	218
Pacific Noncontiguous	**2,816**	**3,621**	**-22.2**	**2,736**	**3,539**	**--**	**--**	**--**	**--**	**80**	**82**
Alaska	2,816	3,621	-22.2	2,736	3,539	--	--	--	--	80	82
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**593,214**	**557,093**	**6.5**	**211,312**	**201,085**	**285,910**	**260,688**	**7,038**	**6,214**	**88,954**	**89,106**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. • Mcf = thousand cubic feet.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009

(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2010	2009	Percent Change	2010	2009	2010	2009	2010	2009	2010	2009
New England	**409,144**	**356,788**	**14.7**	**6,980**	**1,595**	**363,891**	**316,636**	**9,556**	**10,241**	**28,718**	**28,315**
Connecticut	83,325	70,050	19.0	35	43	77,915	64,628	752	823	4,623	4,557
Maine	56,482	52,341	7.9	--	--	36,943	33,068	NM	NM	19,530	19,266
Massachusetts	179,820	148,331	21.2	4,704	1,118	164,449	136,072	6,400	6,939	4,267	4,202
New Hampshire	34,985	33,426	4.7	2,190	374	32,498	32,762	--	--	298	290
Rhode Island	54,481	52,580	3.6	--	--	52,087	50,107	2,394	2,473	--	--
Vermont	50	60	-15.8	50	60	--	--	--	--	--	--
Middle Atlantic	**823,292**	**728,113**	**13.1**	**124,488**	**112,303**	**670,740**	**579,959**	**7,782**	**7,231**	**20,283**	**28,619**
New Jersey	189,453	165,488	14.5	--	--	180,616	151,495	1,490	1,533	7,347	12,460
New York	404,944	353,074	14.7	124,395	112,254	269,993	230,467	5,639	5,096	4,917	5,258
Pennsylvania	228,896	209,551	9.2	93	NM	220,130	197,997	653	602	8,020	10,902
East North Central	**336,530**	**262,436**	**28.2**	**85,849**	**49,818**	**210,247**	**169,435**	**10,749**	**10,442**	**29,685**	**32,742**
Illinois	57,497	47,222	21.8	5,999	1,999	38,710	29,687	5,734	5,837	7,054	9,699
Indiana	68,925	48,315	42.7	26,895	13,665	27,155	19,905	927	975	13,948	13,770
Michigan	109,584	83,097	31.9	13,962	5,957	90,408	72,225	1,351	823	3,864	4,092
Ohio	53,048	39,460	34.4	13,160	8,884	38,312	28,851	--	NM	1,576	1,582
Wisconsin	47,477	44,343	7.1	25,835	19,314	15,662	18,767	2,738	2,663	3,243	3,598
West North Central	**133,786**	**110,446**	**21.1**	**107,014**	**84,638**	**16,797**	**15,544**	**2,134**	**2,482**	**7,840**	**7,782**
Iowa	16,223	16,508	-1.7	13,173	13,420	NM	NM	282	313	2,767	2,775
Kansas	30,430	30,044	1.3	30,430	30,044	--	--	--	--	--	--
Minnesota	41,729	31,499	32.5	26,678	16,738	9,288	8,603	1,676	2,066	4,087	4,091
Missouri	37,913	27,667	37.0	30,187	20,593	7,506	6,940	174	101	46	NM
Nebraska	4,381	2,939	49.0	4,379	2,936	NM	NM	NM	NM	--	--
North Dakota	966	884	9.3	NM	NM	--	--	--	--	941	883
South Dakota	2,144	906	136.7	2,144	906	--	--	--	--	--	--
South Atlantic	**1,433,331**	**1,255,139**	**14.2**	**1,086,547**	**991,347**	**301,843**	**221,706**	**3,507**	**3,465**	**41,434**	**38,621**
Delaware	23,756	11,158	112.9	186	NM	23,403	9,670	--	--	167	1,380
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	921,287	875,060	5.3	815,488	770,310	82,626	85,385	3,433	3,376	19,739	15,988
Georgia	173,360	144,876	19.7	77,048	71,320	84,920	61,765	--	--	11,391	11,791
Maryland	31,935	19,613	62.8	--	--	29,667	17,144	NM	NM	2,259	2,469
North Carolina	68,647	38,230	79.6	52,915	31,386	14,325	6,357	NM	NM	1,353	401
South Carolina	80,347	70,992	13.2	64,401	62,894	15,032	7,646	NM	NM	903	449
Virginia	131,703	93,299	41.2	75,928	54,940	51,104	33,055	--	--	4,671	5,303
West Virginia	2,296	1,911	20.2	579	388	766	684	--	--	951	839
East South Central	**543,232**	**437,234**	**24.2**	**264,464**	**213,496**	**246,647**	**194,371**	**1,716**	**1,568**	**30,405**	**27,798**
Alabama	274,405	231,247	18.7	91,509	79,466	162,082	133,065	--	--	20,814	18,716
Kentucky	19,773	10,769	83.6	14,836	6,458	1,595	1,087	--	--	3,342	3,224
Mississippi	233,200	190,865	22.2	144,934	125,341	82,970	60,220	NM	NM	4,935	4,957
Tennessee	15,853	4,352	264.2	13,184	2,231	--	--	1,355	1,220	1,314	901
West South Central	**2,574,707**	**2,520,266**	**2.2**	**695,992**	**625,595**	**1,186,735**	**1,220,841**	**7,348**	**7,101**	**684,632**	**666,729**
Arkansas	98,054	88,308	11.0	18,720	8,703	70,748	70,972	NM	NM	8,577	8,624
Louisiana	491,363	430,692	14.1	184,349	146,642	66,801	56,763	545	545	239,668	226,742
Oklahoma	276,271	271,007	1.9	209,761	181,263	60,775	83,327	1,495	1,485	4,240	4,931
Texas	1,709,020	1,730,260	-1.2	283,163	288,988	988,412	1,009,779	5,299	5,062	432,146	426,432
Mountain	**605,841**	**665,662**	**-9.0**	**302,534**	**332,197**	**288,645**	**318,366**	**1,577**	**1,749**	**13,085**	**13,350**
Arizona	214,507	247,759	-13.4	75,541	99,213	138,053	147,622	NM	905	NM	19
Colorado	89,199	103,429	-13.8	30,919	32,349	57,973	70,653	NM	NM	NM	NM
Idaho	14,040	12,652	11.0	2,760	2,599	10,233	8,314	--	--	1,047	1,740
Montana	1,215	1,070	13.6	180	40	622	561	--	--	413	469
Nevada	166,264	181,784	-8.5	110,389	119,191	54,184	60,950	--	--	1,691	1,643
New Mexico	65,792	65,066	1.1	42,424	39,695	22,692	24,755	NM	612	NM	4
Utah	46,023	45,558	1.0	39,494	38,322	4,790	5,482	NM	NM	1,703	1,718
Wyoming	8,802	8,345	5.5	826	788	99	NM	--	--	7,877	7,528
Pacific Contiguous	**1,035,773**	**1,117,435**	**-7.3**	**278,887**	**292,330**	**589,153**	**651,553**	**26,900**	**27,894**	**140,832**	**145,658**
California	852,374	926,326	-8.0	185,388	197,936	506,405	565,627	25,387	26,182	135,194	136,582
Oregon	102,451	105,427	-2.8	38,095	37,420	60,662	61,110	--	294	3,694	6,602
Washington	80,949	85,682	-5.5	55,405	56,975	22,087	24,815	1,513	1,418	1,944	2,474
Pacific Noncontiguous	**36,495**	**36,217**	**.8**	**35,721**	**35,422**	**--**	**--**	**--**	**--**	**775**	**794**
Alaska	36,495	36,217	.8	35,721	35,422	--	--	--	--	775	794
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**7,932,131**	**7,489,735**	**5.9**	**2,988,476**	**2,738,744**	**3,874,699**	**3,688,411**	**71,269**	**72,173**	**997,688**	**990,407**

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values for 2001 forward do not include blast furnace gas or other gas. • Mcf = thousand cubic feet.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**W**	**3.35**	**W**	**3.08**	**3.08**	**W**	**3.40**
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.08	3.08	.0	3.08	3.08	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**2.50**	**2.32**	**7.7**	**NM**	**4.01**	**2.50**	**2.32**
New Jersey	4.22	4.14	1.9	NM	8.88	4.21	4.13
New York	3.39	2.49	36.1	NM	3.36	3.38	2.48
Pennsylvania	2.35	2.22	5.9	--	--	2.35	2.22
East North Central	**2.02**	**1.98**	**1.7**	**2.09**	**2.04**	**1.84**	**1.82**
Illinois	1.65	1.63	1.2	1.90	1.77	1.62	1.61
Indiana	W	W	W	2.12	1.97	W	W
Michigan	W	W	W	2.08	2.00	W	W
Ohio	2.17	2.28	-4.8	2.07	2.21	2.54	2.64
Wisconsin	W	W	W	2.13	1.96	W	W
West North Central	**W**	**W**	**W**	**1.50**	**1.41**	**W**	**W**
Iowa	1.33	1.21	9.9	1.33	1.21	--	--
Kansas	1.60	1.43	11.9	1.60	1.43	--	--
Minnesota	W	W	W	1.80	1.59	W	W
Missouri	1.58	1.52	3.9	1.58	1.52	--	--
Nebraska	1.34	1.33	.8	1.34	1.33	--	--
North Dakota	1.24	1.27	-2.4	1.24	1.27	--	--
South Dakota	1.89	1.69	11.8	1.89	1.69	--	--
South Atlantic	**3.30**	**3.28**	**.7**	**3.36**	**3.35**	**2.99**	**2.78**
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.31	3.43	-3.5	3.28	3.43	3.71	3.42
Georgia	3.96	3.62	9.4	3.96	3.62	--	--
Maryland	3.53	2.81	25.6	--	--	3.53	2.81
North Carolina	3.46	W	W	3.49	3.78	2.66	W
South Carolina	W	W	W	3.61	3.34	W	W
Virginia	3.37	2.98	13.1	3.31	2.97	3.58	3.01
West Virginia	2.35	2.55	-7.8	2.43	2.60	2.15	2.35
East South Central	**W**	**W**	**W**	**2.57**	**2.36**	**W**	**W**
Alabama	W	W	W	2.82	2.49	W	W
Kentucky	2.23	2.17	2.8	2.23	2.17	--	--
Mississippi	W	W	W	3.40	3.43	W	W
Tennessee	2.77	2.35	17.9	2.77	2.35	--	--
West South Central	**1.84**	**1.73**	**6.1**	**1.85**	**1.80**	**1.82**	**1.63**
Arkansas	W	1.64	W	1.73	1.64	W	--
Louisiana	W	W	W	2.45	2.54	W	W
Oklahoma	W	W	W	1.75	1.65	W	W
Texas	1.82	W	W	1.83	1.80	1.81	W
Mountain	**1.61**	**1.52**	**6.2**	**1.69**	**1.54**	**1.04**	**1.32**
Arizona	1.78	1.83	-2.7	1.78	1.83	--	--
Colorado	W	W	W	1.54	1.52	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.47	1.65	W	W
Nevada	W	W	W	2.35	2.13	W	W
New Mexico	2.02	1.79	12.8	2.02	1.79	--	--
Utah	W	W	W	1.90	1.45	W	W
Wyoming	W	W	W	1.30	1.13	W	W
Pacific	**2.20**	**W**	**W**	**1.65**	**1.71**	**2.38**	**W**
California	W	W	W	--	--	W	W
Oregon	1.67	1.74	-4.0	1.67	1.74	--	--
Washington	W	W	W	--	--	W	W
Alaska	W	W	W	1.37	NM	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	**2.24**	**2.12**	**5.7**	**2.27**	**2.14**	**2.15**	**2.06**

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2010	2009	Percent Change	2010	2009	2010	2009
New England	**3.36**	**3.46**	**-2.8**	**3.80**	**3.48**	**3.24**	**3.45**
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.80	3.48	9.2	3.80	3.48	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**2.51**	**2.40**	**4.3**	**4.19**	**4.04**	**2.51**	**2.40**
New Jersey	4.18	4.02	4.0	NM	7.98	4.17	4.01
New York	3.02	2.68	12.7	3.71	3.58	3.01	2.67
Pennsylvania	2.36	2.29	3.1	--	--	2.36	2.29
East North Central	**2.05**	**2.04**	**.7**	**2.10**	**2.09**	**1.91**	**1.89**
Illinois	1.68	1.62	3.7	1.89	1.78	1.65	1.60
Indiana	W	W	W	2.12	2.02	W	W
Michigan	W	W	W	2.10	2.03	W	W
Ohio	2.23	2.40	-7.1	2.11	2.30	2.65	2.90
Wisconsin	W	W	W	2.10	1.99	W	W
West North Central	**W**	**W**	**W**	**1.49**	**1.41**	**W**	**W**
Iowa	1.34	1.23	8.9	1.34	1.23	--	--
Kansas	1.50	1.43	4.9	1.50	1.43	--	--
Minnesota	W	W	W	1.75	1.64	W	W
Missouri	1.58	1.52	3.9	1.58	1.52	--	--
Nebraska	1.40	1.33	5.3	1.40	1.33	--	--
North Dakota	1.22	1.14	7.0	1.22	1.14	--	--
South Dakota	1.88	1.75	7.4	1.88	1.75	--	--
South Atlantic	**3.35**	**3.27**	**2.5**	**3.43**	**3.36**	**2.97**	**2.80**
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.47	3.39	2.4	3.46	3.38	3.65	3.50
Georgia	3.93	3.61	8.9	3.93	3.61	--	--
Maryland	3.45	3.05	13.1	--	--	3.45	3.05
North Carolina	3.50	3.58	-2.2	3.54	3.63	2.67	2.51
South Carolina	W	W	W	3.71	3.64	W	W
Virginia	3.31	3.07	7.8	3.29	3.06	3.41	3.11
West Virginia	W	W	W	2.48	2.64	W	W
East South Central	**W**	**W**	**W**	**2.56**	**2.45**	**W**	**W**
Alabama	W	W	W	2.82	2.67	W	W
Kentucky	2.26	2.17	4.1	2.26	2.17	--	--
Mississippi	W	W	W	3.31	3.39	W	W
Tennessee	2.64	2.51	5.2	2.64	2.51	--	--
West South Central	**1.84**	**1.71**	**7.2**	**1.84**	**1.81**	**1.84**	**1.59**
Arkansas	W	1.68	W	1.70	1.68	W	--
Louisiana	W	W	W	2.39	2.32	W	W
Oklahoma	W	W	W	1.71	1.64	W	W
Texas	1.84	W	W	1.85	1.86	1.84	W
Mountain	**1.62**	**W**	**W**	**1.68**	**1.61**	**1.18**	**W**
Arizona	1.80	1.81	-.6	1.80	1.81	--	--
Colorado	W	W	W	1.57	1.57	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.46	1.38	W	W
Nevada	W	W	W	2.42	2.20	W	W
New Mexico	2.05	1.93	6.2	2.05	1.93	--	--
Utah	W	W	W	1.71	1.55	W	W
Wyoming	W	W	W	1.30	1.17	W	W
Pacific	**2.23**	**2.23**	**.0**	**1.63**	**1.70**	**2.41**	**2.35**
California	W	W	W	--	--	W	W
Oregon	1.66	1.75	-5.1	1.66	1.75	--	--
Washington	W	W	W	--	--	W	W
Alaska	W	W	W	1.37	1.29	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	**2.26**	**2.20**	**2.7**	**2.27**	**2.23**	**2.20**	**2.11**

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**NM**	**16.75**	**--**	**NM**	**15.66**	**NM**	**17.08**
Connecticut	NM	17.02	--	NM	NM	NM	17.02
Maine	W	W	W	NM	NM	W	W
Massachusetts	NM	16.86	--	NM	NM	NM	17.14
New Hampshire	W	W	W	NM	15.75	W	W
Rhode Island	W	W	W	NM	NM	W	W
Vermont	NM	NM	--	NM	NM	--	--
Middle Atlantic	**14.70**	**13.05**	**12.7**	**12.75**	**14.92**	**16.45**	**13.03**
New Jersey	W	W	W	NM	12.44	W	W
New York	13.28	W	W	12.75	14.94	NM	W
Pennsylvania	W	15.67	W	NM	NM	W	15.67
East North Central	**W**	**14.54**	**W**	**17.49**	**14.12**	**W**	**16.38**
Illinois	19.15	16.23	18.0	NM	16.23	19.19	16.23
Indiana	W	W	W	17.79	15.20	W	W
Michigan	W	W	W	NM	12.72	W	W
Ohio	W	W	W	18.59	15.25	W	W
Wisconsin	W	W	W	18.10	15.81	W	W
West North Central	**W**	**15.05**	**W**	**18.05**	**15.05**	**W**	**NM**
Iowa	17.89	W	W	17.89	15.34	NM	W
Kansas	NM	NM	--	NM	NM	--	--
Minnesota	W	W	W	18.44	13.87	W	W
Missouri	NM	15.15	--	NM	15.15	--	--
Nebraska	17.88	15.49	15.4	17.88	15.49	--	--
North Dakota	19.01	15.49	22.7	19.01	15.49	--	--
South Dakota	W	W	W	NM	NM	W	W
South Atlantic	**15.51**	**12.75**	**21.6**	**15.26**	**12.73**	**NM**	**13.24**
Delaware	NM	W	W	NM	--	NM	W
District of Columbia	--	--	--	--	--	--	--
Florida	15.43	12.37	24.7	15.20	12.35	NM	15.23
Georgia	18.60	15.17	22.6	18.60	15.17	--	--
Maryland	NM	11.02	--	NM	NM	NM	10.86
North Carolina	W	15.12	W	17.47	15.11	W	15.29
South Carolina	12.86	13.05	-1.5	12.86	13.05	--	--
Virginia	14.20	13.04	8.9	14.05	12.99	NM	15.33
West Virginia	W	W	W	18.83	16.42	W	W
East South Central	**W**	**W**	**W**	**NM**	**15.42**	**W**	**W**
Alabama	W	W	W	17.01	13.99	W	W
Kentucky	NM	16.40	--	NM	16.40	--	--
Mississippi	NM	15.43	--	NM	15.43	--	--
Tennessee	NM	14.62	--	NM	14.62	--	--
West South Central	**W**	**W**	**W**	**NM**	**14.73**	**W**	**W**
Arkansas	W	15.80	W	NM	15.80	W	--
Louisiana	W	W	W	NM	15.33	W	W
Oklahoma	NM	NM	--	NM	NM	--	--
Texas	W	W	W	NM	12.79	W	W
Mountain	**W**	**W**	**W**	**17.89**	**14.25**	**W**	**W**
Arizona	19.40	13.05	48.7	19.40	13.05	--	--
Colorado	W	W	W	16.65	13.24	W	W
Idaho	NM	NM	--	NM	NM	--	--
Montana	W	W	W	NM	NM	W	W
Nevada	W	W	W	20.20	NM	W	W
New Mexico	20.08	15.57	29.0	20.08	15.57	--	--
Utah	20.95	17.07	22.7	20.95	17.07	--	--
Wyoming	19.40	16.46	17.9	19.40	16.46	--	--
Pacific	**W**	**W**	**W**	**15.64**	**12.67**	**W**	**W**
California	W	W	W	18.54	16.08	W	W
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	19.71	17.89	W	W
Alaska	17.78	16.03	10.9	17.78	16.03	--	--
Hawaii	W	W	W	15.31	12.10	W	W
U.S. Total	**16.02**	**12.89**	**24.3**	**15.85**	**12.87**	**16.71**	**12.98**

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009

(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2010	2009	Percent Change	2010	2009	2010	2009
New England	**13.41**	**7.80**	**71.9**	**14.52**	**8.39**	**13.23**	**7.71**
Connecticut	W	W	W	NM	NM	W	W
Maine	W	W	W	NM	NM	W	W
Massachusetts	13.48	7.73	74.4	14.19	10.77	13.28	7.46
New Hampshire	W	W	W	16.13	6.55	W	W
Rhode Island	W	W	W	14.68	NM	W	W
Vermont	NM	NM	--	NM	NM	--	--
Middle Atlantic	**13.80**	**8.79**	**56.9**	**12.86**	**8.11**	**14.81**	**9.39**
New Jersey	14.47	10.03	44.3	12.25	NM	15.37	11.96
New York	13.23	8.47	56.2	12.90	8.15	14.02	8.89
Pennsylvania	15.37	9.46	62.5	NM	NM	15.36	9.46
East North Central	**16.16**	**11.76**	**37.4**	**15.89**	**11.22**	**17.15**	**14.33**
Illinois	17.45	15.02	16.2	17.12	13.79	17.53	15.46
Indiana	W	W	W	16.43	12.52	W	W
Michigan	W	W	W	14.86	9.66	W	W
Ohio	16.49	12.27	34.4	16.50	12.26	16.45	12.32
Wisconsin	W	W	W	16.31	12.26	W	W
West North Central	**16.44**	**W**	**W**	**16.43**	**12.45**	**16.86**	**W**
Iowa	16.39	W	W	16.37	13.23	17.09	W
Kansas	16.22	12.57	29.0	16.22	12.57	--	--
Minnesota	W	W	W	16.43	12.59	W	W
Missouri	16.24	12.68	28.1	16.24	12.68	--	--
Nebraska	16.91	10.28	64.5	16.91	10.28	--	--
North Dakota	17.27	12.65	36.5	17.27	12.65	--	--
South Dakota	W	W	W	17.25	12.31	W	W
South Atlantic	**12.70**	**10.30**	**23.4**	**12.42**	**10.22**	**15.06**	**11.23**
Delaware	16.51	12.35	33.7	NM	NM	16.52	12.35
District of Columbia	W	W	W	--	--	W	W
Florida	12.25	10.20	20.1	12.14	10.18	15.65	12.09
Georgia	W	W	W	16.81	12.02	W	W
Maryland	15.23	10.64	43.1	NM	NM	15.23	10.62
North Carolina	W	W	W	15.85	12.06	W	W
South Carolina	14.22	10.04	41.6	14.22	10.04	--	--
Virginia	12.80	9.69	32.1	12.23	9.44	15.79	10.54
West Virginia	W	13.85	W	16.90	13.59	W	16.06
East South Central	**W**	**W**	**W**	**16.01**	**12.46**	**W**	**W**
Alabama	W	W	W	16.22	12.01	W	W
Kentucky	17.70	13.40	32.1	17.70	13.40	--	--
Mississippi	9.89	11.23	-11.9	9.89	11.23	--	--
Tennessee	16.87	11.87	42.1	16.87	11.87	--	--
West South Central	**W**	**11.27**	**W**	**12.03**	**10.63**	**W**	**13.31**
Arkansas	W	9.86	W	16.16	9.86	W	--
Louisiana	W	W	W	9.57	10.42	W	W
Oklahoma	16.43	13.51	21.6	16.43	13.51	--	--
Texas	W	W	W	16.72	12.53	W	W
Mountain	**17.48**	**W**	**W**	**17.57**	**13.56**	**16.41**	**W**
Arizona	18.13	12.53	44.7	18.13	12.53	--	--
Colorado	W	W	W	16.18	12.37	W	W
Idaho	NM	NM	--	NM	NM	--	--
Montana	W	W	W	16.19	NM	W	W
Nevada	W	W	W	17.75	14.09	W	W
New Mexico	18.96	14.78	28.3	18.96	14.78	--	--
Utah	18.09	13.90	30.1	18.09	13.90	--	--
Wyoming	17.22	13.59	26.7	17.22	13.59	--	--
Pacific	**W**	**W**	**W**	**14.51**	**10.46**	**W**	**W**
California	17.39	W	W	17.43	14.03	16.55	W
Oregon	16.11	9.66	66.8	16.11	9.66	--	--
Washington	W	W	W	20.32	16.97	W	W
Alaska	16.60	12.62	31.5	16.60	12.62	--	--
Hawaii	W	W	W	14.24	10.08	W	W
U.S. Total	**13.94**	**10.09**	**38.2**	**13.74**	**10.20**	**14.74**	**9.74**

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	W	W	W	1.69	1.47	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	NM	1.81	W	W
Ohio	--	--	--	--	--	--	--
Wisconsin	1.67	1.45	15.2	1.67	1.45	--	--
West North Central	1.34	1.85	-27.7	1.34	1.85	--	--
Iowa	1.69	--	--	1.69	--	--	--
Kansas	1.25	1.96	-36.2	1.25	1.96	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	1.58	--	--	1.58	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.26	1.73	88.4	3.26	1.73	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.26	1.73	88.4	3.26	1.73	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	.85	.81	4.9	.85	.81	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	.85	.81	4.9	.85	.81	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	2.92	1.45	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.92	1.45	101.4	2.92	1.45	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	--	--	W	W
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific	1.97	1.36	44.9	--	--	1.97	1.36
California	1.97	1.36	44.9	--	--	1.97	1.36
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.13	1.21	76.0	2.28	1.21	1.64	1.20

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2010	2009	Percent Change	2010	2009	2010	2009
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	W	W	W	1.57	1.45	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	W	W	--	1.64	--	W
Michigan	W	W	W	NM	1.91	W	W
Ohio	--	W	W	--	--	--	W
Wisconsin	1.53	1.41	8.5	1.53	1.41	--	--
West North Central	1.49	1.54	-3.1	1.49	1.54	--	--
Iowa	1.87	2.20	-15.0	1.87	2.20	--	--
Kansas	1.23	1.54	-20.1	1.23	1.54	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	1.21	1.53	-20.9	1.21	1.53	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.02	2.48	21.8	3.02	2.48	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.03	2.51	20.7	3.03	2.51	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	.90	1.07	-15.9	.90	1.07	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	.79	.99	-20.2	.79	.99	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	.79	.99	-20.2	.79	.99	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	2.55	1.28	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.55	1.28	99.2	2.55	1.28	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	--	--	W	W
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific	2.15	1.66	29.5	--	--	2.15	1.66
California	2.15	1.66	29.5	--	--	2.15	1.66
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.22	1.57	41.4	2.35	1.68	1.78	1.30

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Nov 2010	Nov 2009	Percent Change	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**4.50**	**4.15**	**8.4**	**5.27**	**4.91**	**4.47**	**4.15**
Connecticut	4.70	4.26	10.3	6.92	12.86	4.70	4.25
Maine	W	W	W	--	--	W	W
Massachusetts	4.40	4.10	7.3	4.97	5.27	4.36	4.10
New Hampshire	W	W	W	5.79	4.64	W	W
Rhode Island	4.62	4.13	11.9	--	--	4.62	4.13
Vermont	5.05	6.29	-19.7	5.05	6.29	--	--
Middle Atlantic	**4.54**	**4.80**	**-5.5**	**4.43**	**5.11**	**4.55**	**4.75**
New Jersey	4.44	5.31	-16.4	--	--	4.44	5.31
New York	4.77	5.04	-5.4	4.43	5.11	4.91	5.01
Pennsylvania	4.26	4.02	6.0	NM	NM	4.26	4.02
East North Central	**4.37**	**4.43**	**-1.4**	**4.57**	**5.13**	**4.31**	**4.27**
Illinois	4.40	W	W	9.12	9.70	4.17	W
Indiana	W	W	W	4.35	4.56	W	W
Michigan	4.51	4.40	2.5	6.11	5.14	4.49	4.32
Ohio	4.13	3.89	6.2	3.94	5.02	4.20	3.84
Wisconsin	W	4.86	W	6.10	5.04	W	4.66
West North Central	**5.55**	**5.38**	**3.3**	**5.63**	**5.21**	**5.12**	**8.32**
Iowa	6.36	W	W	6.36	4.91	--	W
Kansas	4.48	4.46	.4	4.48	4.46	--	--
Minnesota	W	6.59	W	5.89	6.31	W	8.21
Missouri	W	W	W	4.61	5.05	W	W
Nebraska	W	W	W	17.61	7.88	W	W
North Dakota	NM	NM	--	NM	NM	--	--
South Dakota	NM	4.79	--	NM	4.79	--	--
South Atlantic	**5.38**	**6.69**	**-19.6**	**5.62**	**6.94**	**4.35**	**4.87**
Delaware	W	W	W	NM	NM	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	5.82	7.53	-22.7	5.99	7.69	3.84	5.36
Georgia	4.32	4.19	3.1	4.21	4.09	4.43	4.32
Maryland	4.79	5.34	-10.3	--	--	4.79	5.34
North Carolina	W	W	W	5.30	5.56	W	W
South Carolina	W	W	W	3.90	3.76	W	W
Virginia	4.69	4.45	5.4	4.66	4.34	4.73	5.25
West Virginia	4.28	4.36	-1.8	6.20	4.29	4.15	4.39
East South Central	**4.06**	**4.09**	**-.7**	**4.01**	**4.06**	**4.13**	**4.14**
Alabama	4.12	4.10	.5	3.98	4.01	4.21	4.17
Kentucky	5.11	W	W	5.11	5.17	--	W
Mississippi	3.93	W	W	3.93	4.04	3.92	W
Tennessee	4.32	4.07	6.1	4.32	4.07	--	--
West South Central	**3.79**	**4.14**	**-8.5**	**3.79**	**4.50**	**3.79**	**3.95**
Arkansas	4.02	3.97	1.3	4.16	12.87	4.00	3.76
Louisiana	3.89	4.27	-8.9	3.92	4.35	3.83	4.10
Oklahoma	3.85	4.57	-15.8	3.86	4.77	3.75	3.81
Texas	3.75	4.04	-7.2	3.66	4.37	3.78	3.95
Mountain	**4.32**	**4.80**	**-10.0**	**4.46**	**5.32**	**4.14**	**NM**
Arizona	4.27	NM	--	5.09	5.47	3.86	NM
Colorado	4.85	4.81	.8	4.96	4.84	4.77	4.80
Idaho	W	W	W	5.27	5.73	W	W
Montana	W	W	W	NM	6.07	W	W
Nevada	4.44	5.22	-14.9	4.51	5.76	4.21	NM
New Mexico	W	W	W	4.22	NM	W	W
Utah	W	W	W	3.40	NM	W	W
Wyoming	W	W	W	NM	6.14	W	W
Pacific	**4.33**	**4.91**	**-11.8**	**4.59**	**5.35**	**4.19**	**4.70**
California	4.22	4.89	-13.7	4.40	5.25	4.15	4.78
Oregon	4.17	4.32	-3.5	3.87	4.68	4.36	4.11
Washington	5.66	6.13	-7.7	5.90	6.59	4.83	4.62
Alaska	4.80	4.70	2.1	4.80	4.70	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	**4.45**	**4.95**	**-10.1**	**4.76**	**5.70**	**4.21**	**4.37**

NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, Year-to-Date through November 2010 and 2009
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2010	2009	Percent Change	2010	2009	2010	2009
New England	**5.18**	**4.64**	**11.5**	**5.26**	**4.90**	**5.18**	**4.64**
Connecticut	5.48	4.61	18.9	6.61	8.66	5.48	4.60
Maine	W	W	W	--	--	W	W
Massachusetts	5.05	4.56	10.7	5.08	4.73	5.05	4.56
New Hampshire	W	W	W	5.60	4.88	W	W
Rhode Island	5.18	4.65	11.4	--	--	5.18	4.65
Vermont	5.70	5.60	1.8	5.70	5.60	--	--
Middle Atlantic	**5.31**	**4.84**	**9.8**	**5.37**	**4.94**	**5.30**	**4.82**
New Jersey	5.37	5.05	6.3	--	--	5.37	5.05
New York	5.49	5.02	9.4	5.37	4.94	5.55	5.07
Pennsylvania	4.95	4.36	13.5	5.21	NM	4.95	4.36
East North Central	**5.01**	**4.45**	**12.5**	**5.25**	**5.05**	**4.90**	**4.27**
Illinois	5.09	4.62	10.2	5.61	6.83	5.01	4.47
Indiana	4.91	4.51	8.9	4.92	4.71	4.89	4.38
Michigan	4.95	4.38	13.0	5.62	6.29	4.84	4.22
Ohio	4.87	4.21	15.7	4.87	4.29	4.87	4.18
Wisconsin	5.36	4.64	15.5	5.51	5.09	5.09	4.18
West North Central	**5.27**	**4.80**	**9.8**	**5.29**	**4.83**	**5.16**	**4.65**
Iowa	W	W	W	5.45	4.81	W	W
Kansas	4.93	3.94	25.1	4.93	3.94	--	--
Minnesota	W	W	W	5.55	6.49	W	W
Missouri	W	W	W	5.15	4.59	W	W
Nebraska	W	W	W	6.81	6.22	W	W
North Dakota	NM	NM	--	NM	NM	--	--
South Dakota	5.11	5.13	-.4	5.11	5.13	--	--
South Atlantic	**5.96**	**6.77**	**-11.9**	**6.18**	**7.20**	**5.16**	**4.81**
Delaware	W	W	W	5.19	NM	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	6.37	7.67	-16.9	6.51	7.91	4.92	5.44
Georgia	5.09	4.44	14.6	5.00	4.29	5.18	4.60
Maryland	5.47	5.07	7.9	--	--	5.47	5.07
North Carolina	W	W	W	6.14	7.57	W	W
South Carolina	4.72	W	W	4.67	3.93	4.95	W
Virginia	5.34	4.39	21.6	5.22	4.65	5.51	3.95
West Virginia	4.98	4.64	7.3	4.88	4.68	5.05	4.61
East South Central	**4.84**	**4.17**	**16.1**	**4.89**	**4.29**	**4.79**	**4.04**
Alabama	4.78	4.08	17.2	4.83	4.23	4.75	4.00
Kentucky	W	W	W	5.93	7.02	W	W
Mississippi	W	W	W	4.80	4.19	W	W
Tennessee	5.11	4.42	15.6	5.11	4.42	--	--
West South Central	**4.64**	**3.82**	**21.5**	**4.70**	**4.01**	**4.60**	**3.72**
Arkansas	5.01	3.97	26.2	6.18	6.16	4.70	3.70
Louisiana	4.69	4.13	13.6	4.69	4.20	4.68	3.97
Oklahoma	4.69	3.67	27.8	4.74	3.78	4.53	3.43
Texas	4.59	3.79	21.1	4.59	3.99	4.59	3.73
Mountain	**5.01**	**4.34**	**15.4**	**5.31**	**4.68**	**4.68**	**3.99**
Arizona	4.75	3.97	19.6	5.29	4.16	4.45	3.83
Colorado	5.00	3.96	26.3	4.99	3.65	5.01	4.09
Idaho	W	W	W	5.03	6.22	W	W
Montana	W	W	W	NM	5.55	W	W
Nevada	5.57	5.26	5.9	5.95	5.87	4.77	4.08
New Mexico	W	W	W	4.89	4.30	W	W
Utah	W	W	W	4.32	3.41	W	W
Wyoming	W	W	W	NM	4.73	W	W
Pacific	**4.83**	**4.26**	**13.2**	**5.04**	**4.61**	**4.72**	**4.09**
California	4.85	4.18	16.0	5.09	4.39	4.77	4.11
Oregon	4.46	4.06	9.9	4.50	4.18	4.44	3.98
Washington	5.33	4.94	7.9	5.73	5.37	4.31	3.95
Alaska	4.31	5.10	-15.5	4.31	5.10	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	**5.11**	**4.71**	**8.5**	**5.42**	**5.42**	**4.87**	**4.17**

NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, November 2010
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**315**	**.9**	**9.8**	--	--	--	--	--	--
Connecticut	51	1.3	15.5	--	--	--	--	--	--
Maine	10	.8	7.9	--	--	--	--	--	--
Massachusetts	185	.6	9.5	--	--	--	--	--	--
New Hampshire	69	1.4	6.8	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**3,485**	**2.5**	**10.5**	**317**	**.3**	**5.0**	--	--	--
New Jersey	137	1.5	10.3	--	--	--	--	--	--
New York	239	2.2	9.4	166	.2	4.7	--	--	--
Pennsylvania	3,109	2.6	10.5	151	.3	5.4	--	--	--
East North Central	**7,883**	**2.6**	**9.7**	**11,110**	**.3**	**4.9**	--	--	--
Illinois	374	3.0	11.0	4,825	.2	4.8	--	--	--
Indiana	3,099	2.6	9.0	1,292	.2	4.8	--	--	--
Michigan	603	1.4	8.9	2,445	.3	4.8	--	--	--
Ohio	3,529	2.9	10.5	639	.3	4.9	--	--	--
Wisconsin	279	1.6	8.0	1,909	.3	5.1	--	--	--
West North Central	**253**	**2.9**	**9.9**	**10,026**	**.3**	**5.3**	**1,809**	**.8**	**9.9**
Iowa	93	3.4	8.8	2,242	.3	5.2	--	--	--
Kansas	19	3.6	15.4	1,461	.3	5.1	--	--	--
Minnesota	9	2.0	10.6	1,291	.4	6.4	--	--	--
Missouri	132	2.5	9.8	3,760	.3	5.2	--	--	--
Nebraska	--	--	--	981	.3	4.9	--	--	--
North Dakota	--	--	--	85	.3	5.9	1,809	.8	9.9
South Dakota	--	--	--	206	.4	5.8	--	--	--
South Atlantic	**12,188**	**1.6**	**10.5**	**1,054**	**.3**	**4.5**	--	--	--
Delaware	51	.6	9.1	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,999	1.8	9.0	--	--	--	--	--	--
Georgia	1,674	1.2	10.6	948	.3	4.5	--	--	--
Maryland	923	1.2	10.3	29	.2	4.4	--	--	--
North Carolina	2,595	1.0	11.4	--	--	--	--	--	--
South Carolina	1,454	1.5	9.7	--	--	--	--	--	--
Virginia	738	1.0	9.9	--	--	--	--	--	--
West Virginia	2,756	2.6	11.5	76	.2	5.5	--	--	--
East South Central	**5,882**	**2.2**	**10.6**	**1,803**	**.3**	**5.4**	**327**	**.4**	**13.5**
Alabama	1,350	1.5	11.0	947	.3	5.1	--	--	--
Kentucky	3,179	2.8	10.9	144	.3	5.4	--	--	--
Mississippi	346	1.3	9.6	110	.4	8.4	327	.4	13.5
Tennessee	1,006	1.9	9.6	603	.3	5.2	--	--	--
West South Central	**51**	**1.3**	**30.9**	**9,483**	**.3**	**5.1**	**3,874**	**1.0**	**16.4**
Arkansas	15	2.0	10.6	1,503	.2	4.8	--	--	--
Louisiana	*	2.0	10.6	1,033	.3	4.8	341	.6	13.5
Oklahoma	36	1.0	39.3	1,769	.3	5.2	--	--	--
Texas	--	--	--	5,179	.3	5.2	3,533	1.0	16.6
Mountain	**2,429**	**.7**	**13.2**	**6,651**	**.6**	**9.7**	**25**	**.9**	**14.3**
Arizona	681	.6	10.5	1,409	.7	9.7	--	--	--
Colorado	220	.5	9.7	1,263	.3	5.7	--	--	--
Idaho	10	2.0	10.6	4	.3	5.9	--	--	--
Montana	--	--	--	957	.7	9.4	25	.9	14.3
Nevada	81	.7	10.5	139	.3	6.3	--	--	--
New Mexico	429	.7	23.2	859	.9	21.6	--	--	--
Utah	968	.6	11.7	--	--	--	--	--	--
Wyoming	40	2.0	10.6	2,020	.5	7.4	--	--	--
Pacific Contiguous	**113**	**.8**	**11.1**	**707**	**.4**	**7.7**	--	--	--
California	113	.8	11.1	--	--	--	--	--	--
Oregon	--	--	--	215	.4	5.0	--	--	--
Washington	--	--	--	492	.4	8.9	--	--	--
Pacific Noncontiguous	**69**	**.6**	**7.5**	**73**	**.3**	**5.9**	--	--	--
Alaska	--	--	--	73	.3	5.9	--	--	--
Hawaii	69	.6	7.5	--	--	--	--	--	--
U.S. Total	**32,668**	**2.0**	**10.6**	**41,224**	**.3**	**5.9**	**6,035**	**.9**	**14.3**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, November 2010
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**69**	**1.4**	**6.8**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	69	1.4	6.8	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**4**	**2.2**	**9.5**	**--**	**--**	**--**	**--**	**--**	**--**
New Jersey	*	1.5	10.3	--	--	--	--	--	--
New York	4	2.2	9.4	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
East North Central	**6,690**	**2.6**	**9.8**	**6,024**	**.3**	**4.9**	**--**	**--**	**--**
Illinois	208	3.0	11.9	312	.2	4.8	--	--	--
Indiana	2,838	2.5	8.9	1,140	.2	4.7	--	--	--
Michigan	533	1.4	8.8	2,430	.3	4.8	--	--	--
Ohio	2,932	2.9	10.8	268	.2	4.4	--	--	--
Wisconsin	179	1.7	7.7	1,874	.3	5.1	--	--	--
West North Central	**141**	**2.7**	**10.6**	**9,718**	**.3**	**5.3**	**1,809**	**.8**	**9.9**
Iowa	12	3.4	8.8	2,058	.3	5.2	--	--	--
Kansas	19	3.6	15.4	1,461	.3	5.1	--	--	--
Minnesota	4	2.0	10.6	1,200	.4	6.4	--	--	--
Missouri	106	2.5	9.9	3,760	.3	5.2	--	--	--
Nebraska	--	--	--	973	.3	4.9	--	--	--
North Dakota	--	--	--	60	.3	5.9	1,809	.8	9.9
South Dakota	--	--	--	206	.4	5.8	--	--	--
South Atlantic	**9,741**	**1.5**	**10.5**	**1,025**	**.3**	**4.5**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,831	1.8	8.9	--	--	--	--	--	--
Georgia	1,624	1.2	10.6	948	.3	4.5	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	2,454	1.0	11.4	--	--	--	--	--	--
South Carolina	1,415	1.5	9.7	--	--	--	--	--	--
Virginia	492	1.0	9.9	--	--	--	--	--	--
West Virginia	1,925	2.4	11.5	76	.2	5.5	--	--	--
East South Central	**5,605**	**2.3**	**10.7**	**1,803**	**.3**	**5.4**	**--**	**--**	**--**
Alabama	1,304	1.5	11.1	947	.3	5.1	--	--	--
Kentucky	3,179	2.8	10.9	144	.3	5.4	--	--	--
Mississippi	281	.9	9.7	110	.4	8.4	--	--	--
Tennessee	840	2.1	10.0	603	.3	5.2	--	--	--
West South Central	**--**	**--**	**--**	**6,017**	**.3**	**5.1**	**1,003**	**1.3**	**18.5**
Arkansas	--	--	--	1,273	.2	4.9	--	--	--
Louisiana	--	--	--	375	.3	5.0	340	.6	13.5
Oklahoma	--	--	--	1,651	.3	5.1	--	--	--
Texas	--	--	--	2,718	.3	5.2	662	1.6	21.1
Mountain	**2,353**	**.6**	**13.2**	**5,557**	**.5**	**9.8**	**25**	**.9**	**14.3**
Arizona	681	.6	10.5	1,380	.7	9.7	--	--	--
Colorado	197	.5	9.7	1,263	.3	5.7	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	25	.9	14.3
Nevada	81	.7	10.5	78	.4	7.3	--	--	--
New Mexico	429	.7	23.2	859	.9	21.6	--	--	--
Utah	965	.6	11.7	--	--	--	--	--	--
Wyoming	--	--	--	1,977	.5	7.4	--	--	--
Pacific Contiguous	**--**	**--**	**--**	**215**	**.4**	**5.0**	**--**	**--**	**--**
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	215	.4	5.0	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**11**	**.3**	**5.9**	**--**	**--**	**--**
Alaska	--	--	--	11	.3	5.9	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	**24,602**	**1.9**	**10.6**	**30,369**	**.3**	**6.0**	**2,837**	**1.0**	**13.0**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, November 2010
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**240**	**.8**	**10.7**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	51	1.3	15.5	--	--	--	--	--	--
Maine	8	.8	7.9	--	--	--	--	--	--
Massachusetts	181	.6	9.5	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**3,411**	**2.5**	**10.5**	**282**	**.3**	**5.0**	**--**	**--**	**--**
New Jersey	136	1.5	10.3	--	--	--	--	--	--
New York	216	2.2	9.5	166	.2	4.7	--	--	--
Pennsylvania	3,059	2.6	10.5	115	.4	5.5	--	--	--
East North Central	**820**	**2.6**	**9.3**	**4,971**	**.2**	**4.9**	**--**	**--**	**--**
Illinois	20	3.1	10.4	4,433	.2	4.8	--	--	--
Indiana	226	3.0	10.9	153	.3	5.3	--	--	--
Michigan	21	1.6	10.2	11	.3	5.1	--	--	--
Ohio	553	2.5	8.5	371	.3	5.3	--	--	--
Wisconsin	--	--	--	4	.3	5.1	--	--	--
West North Central	**--**	**--**	**--**	**5**	**.4**	**6.4**	**--**	**--**	**--**
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	5	.4	6.4	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**2,096**	**2.0**	**10.7**	**29**	**.2**	**4.4**	**--**	**--**	**--**
Delaware	50	.6	9.1	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	135	1.2	11.3	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	885	1.2	10.0	29	.2	4.4	--	--	--
North Carolina	92	1.0	11.4	--	--	--	--	--	--
South Carolina	12	1.5	9.7	--	--	--	--	--	--
Virginia	128	.8	9.8	--	--	--	--	--	--
West Virginia	793	3.3	11.6	--	--	--	--	--	--
East South Central	**72**	**2.7**	**9.3**	**--**	**--**	**--**	**327**	**.4**	**13.5**
Alabama	8	1.5	11.0	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	64	2.8	9.0	--	--	--	327	.4	13.5
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	**36**	**1.0**	**39.3**	**3,432**	**.3**	**5.2**	**2,871**	**.9**	**15.6**
Arkansas	--	--	--	230	.3	4.5	--	--	--
Louisiana	--	--	--	658	.3	4.8	--	--	--
Oklahoma	36	1.0	39.3	84	.6	7.2	--	--	--
Texas	--	--	--	2,461	.3	5.3	2,871	.9	15.6
Mountain	**23**	**.5**	**9.7**	**1,061**	**.7**	**9.1**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--
Colorado	23	.5	9.7	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	957	.7	9.4	--	--	--
Nevada	--	--	--	61	.3	5.1	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	44	.5	7.4	--	--	--
Pacific Contiguous	**69**	**.9**	**10.7**	**479**	**.4**	**9.0**	**--**	**--**	**--**
California	69	.9	10.7	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	479	.4	9.0	--	--	--
Pacific Noncontiguous	**69**	**.6**	**7.5**	**17**	**.3**	**5.9**	**--**	**--**	**--**
Alaska	--	--	--	17	.3	5.9	--	--	--
Hawaii	69	.6	7.5	--	--	--	--	--	--
U.S. Total	**6,838**	**2.3**	**10.5**	**10,277**	**.3**	**5.6**	**3,198**	**.8**	**15.4**

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Combined Heat and Power Producers by State, November 2010
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**1**	**2.6**	**10.5**	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--	--	--
Pennsylvania	1	2.6	10.5	--	--	--	--	--	--
East North Central	**63**	**1.9**	**9.2**	--	--	--	--	--	--
Illinois	7	3.2	9.0	--	--	--	--	--	--
Indiana	26	2.6	9.0	--	--	--	--	--	--
Michigan	23	1.0	9.8	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--
Wisconsin	7	1.6	8.0	--	--	--	--	--	--
West North Central	**32**	**3.3**	**8.7**	--	--	--	--	--	--
Iowa	21	3.4	8.8	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	10	3.0	8.6	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**14**	**1.0**	**10.8**	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	9	1.0	11.4	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	5	1.0	9.9	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
East South Central	**5**	**1.9**	**9.6**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	5	1.9	9.6	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	**44**	**.3**	**5.9**	--	--	--
Alaska	--	--	--	44	.3	5.9	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	**115**	**2.2**	**9.3**	**44**	**.3**	**5.9**	--	--	--

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Values include a small number of commercial electricity-only plants. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Combined Heat and Power Producers by State, November 2010
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**6**	**.7**	**9.0**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	.8	7.9	--	--	--	--	--	--
Massachusetts	4	.6	9.5	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**68**	**2.6**	**10.4**	**35**	**.2**	**5.2**	**--**	**--**	**--**
New Jersey	--	--	--	--	--	--	--	--	--
New York	20	2.7	7.6	--	--	--	--	--	--
Pennsylvania	48	2.5	11.6	35	.2	5.2	--	--	--
East North Central	**310**	**2.5**	**9.4**	**115**	**.4**	**5.1**	**--**	**--**	**--**
Illinois	139	3.0	9.8	81	.4	5.0	--	--	--
Indiana	8	2.6	9.0	--	--	--	--	--	--
Michigan	26	1.2	9.2	4	.3	4.8	--	--	--
Ohio	44	3.6	10.3	--	--	--	--	--	--
Wisconsin	93	1.5	8.6	30	.3	5.4	--	--	--
West North Central	**81**	**3.1**	**9.1**	**302**	**.3**	**5.4**	**--**	**--**	**--**
Iowa	60	3.4	8.8	183	.3	4.9	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	6	2.0	10.6	86	.4	6.4	--	--	--
Missouri	15	2.5	9.8	--	--	--	--	--	--
Nebraska	--	--	--	8	.3	4.9	--	--	--
North Dakota	--	--	--	25	.3	5.9	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**337**	**1.2**	**11.1**	**--**	**--**	**--**	**--**	**--**	**--**
Delaware	1	.6	9.1	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	33	1.8	9.0	--	--	--	--	--	--
Georgia	50	1.5	11.2	--	--	--	--	--	--
Maryland	37	1.8	18.6	--	--	--	--	--	--
North Carolina	41	1.0	11.4	--	--	--	--	--	--
South Carolina	27	.8	8.3	--	--	--	--	--	--
Virginia	112	1.0	9.9	--	--	--	--	--	--
West Virginia	38	1.1	11.0	--	--	--	--	--	--
East South Central	**200**	**1.1**	**8.5**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	38	1.3	10.2	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	*	1.3	9.6	--	--	--	--	--	--
Tennessee	161	1.0	8.1	--	--	--	--	--	--
West South Central	**15**	**2.0**	**10.6**	**34**	**.3**	**5.2**	*****	**.6**	**13.5**
Arkansas	15	2.0	10.6	--	--	--	--	--	--
Louisiana	*	2.0	10.6	--	--	--	*	.6	13.5
Oklahoma	--	--	--	34	.3	5.2	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	**54**	**1.9**	**10.5**	**33**	**.6**	**9.2**	**--**	**--**	**--**
Arizona	--	--	--	29	.7	9.7	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	10	2.0	10.6	4	.3	5.9	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	3	.3	9.4	--	--	--	--	--	--
Wyoming	40	2.0	10.6	--	--	--	--	--	--
Pacific Contiguous	**44**	**.6**	**11.8**	**12**	**.3**	**3.8**	**--**	**--**	**--**
California	44	.6	11.8	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	12	.3	3.8	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	**1,114**	**1.8**	**10.0**	**533**	**.3**	**5.5**	*****	**.6**	**13.5**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary. • Values include a small number of industrial electricity-only plants. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Chapter 5. Retail Sales, Revenue, and Average Retail Price of Electricity

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 1996 through November 2010
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation[1]	Other	All Sectors
1996	**1,082,512**	**887,445**	**1,033,631**	**NA**	**97,539**	**3,101,127**
1997	**1,075,880**	**928,633**	**1,038,197**	**NA**	**102,901**	**3,145,610**
1998	**1,130,109**	**979,401**	**1,051,203**	**NA**	**103,518**	**3,264,231**
1999	**1,144,923**	**1,001,996**	**1,058,217**	**NA**	**106,952**	**3,312,087**
2000	**1,192,446**	**1,055,232**	**1,064,239**	**NA**	**109,496**	**3,421,414**
2001	**1,201,607**	**1,083,069**	**996,609**	**NA**	**113,174**	**3,394,458**
2002	**1,265,180**	**1,104,497**	**990,238**	**NA**	**105,552**	**3,465,466**
2003	**1,275,824**	**1,198,728**	**1,012,373**	**6,810**	**--**	**3,493,734**
2004	**1,291,982**	**1,230,425**	**1,017,850**	**7,224**	**--**	**3,547,479**
2005	**1,359,227**	**1,275,079**	**1,019,156**	**7,506**	**--**	**3,660,969**
2006	**1,351,520**	**1,299,744**	**1,011,298**	**7,358**	**--**	**3,669,919**
2007	**1,392,241**	**1,336,315**	**1,027,832**	**8,173**	**--**	**3,764,561**
2008						
January	132,938	109,028	83,582	714	--	326,263
February	118,471	104,288	81,603	658	--	305,021
March	107,057	103,239	83,714	638	--	294,647
April	91,977	101,502	83,999	617	--	278,095
May	92,018	107,379	88,166	598	--	288,162
June	121,137	119,063	87,345	625	--	328,170
July	143,269	128,028	88,310	653	--	360,261
August	138,765	124,496	87,990	647	--	351,898
September	117,589	118,677	85,565	626	--	322,457
October	96,093	110,988	84,032	635	--	291,748
November	95,665	102,384	79,373	615	--	278,037
December	125,003	106,909	75,619	672	--	308,203
Total	**1,379,981**	**1,335,981**	**1,009,300**	**7,700**	**--**	**3,732,962**
2009[R]						
January	135,872	110,959	72,060	776	--	319,667
February	115,356	100,742	68,583	675	--	285,356
March	106,371	104,036	71,074	673	--	282,154
April	91,314	101,325	70,710	611	--	263,961
May	94,017	106,491	72,280	602	--	273,390
June	114,165	116,179	72,389	613	--	303,346
July	137,464	123,053	75,003	677	--	336,199
August	138,226	125,052	78,987	646	--	342,911
September	115,180	116,383	76,871	640	--	309,073
October	98,348	109,943	76,511	610	--	285,412
November	92,565	99,839	72,899	594	--	265,897
December	123,380	109,403	74,168	692	--	307,643
Total	**1,362,259**	**1,323,406**	**881,534**	**7,808**	**--**	**3,575,007**
2010						
January[R]	147,895	108,031	74,972	738	--	331,635
February[R]	123,425	100,588	73,602	722	--	298,337
March[R]	112,151	101,603	77,726	657	--	292,137
April[R]	88,175	99,709	77,977	604	--	266,465
May[R]	94,838	105,813	81,482	595	--	282,728
June[R]	127,692	119,394	82,166	654	--	329,906
July[R]	155,554	128,192	84,809	658	--	369,214
August[R]	154,954	128,967	86,889	608	--	371,418
September[R]	125,770	119,324	82,677	628	--	328,399
October[R]	96,755	108,437	81,373	607	--	287,172
November	93,170	101,399	78,805	595	--	273,969
Total	**1,320,378**	**1,221,458**	**882,477**	**7,067**	**--**	**3,431,380**
Year to Date						
2008	1,254,978	1,229,072	933,681	7,027	--	3,424,759
2009	1,238,879	1,214,003	807,366	7,117	--	3,267,364
2010	1,320,378	1,221,458	882,477	7,067	--	3,431,380
Rolling 12 Months Ending in November						
2009	1,363,881	1,320,912	882,986	7,789	--	3,575,568
2010	1,443,759	1,330,861	956,644	7,759	--	3,739,023

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.
R = Revised.
Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Sales values for 1996-2010 include energy service provider (power marketer) data. • Values for 2009 and prior years are final. • Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 1996 through November 2010
(Million Dollars)

Period	Residential	Commercial	Industrial[1]	Transportation[1]	Other	All Sectors
1996	**90,503**	**67,829**	**47,536**	**NA**	**6,741**	**212,609**
1997	**90,704**	**70,497**	**47,023**	**NA**	**7,110**	**215,334**
1998	**93,360**	**72,575**	**47,050**	**NA**	**6,863**	**219,848**
1999	**93,483**	**72,771**	**46,846**	**NA**	**6,796**	**219,896**
2000	**98,209**	**78,405**	**49,369**	**NA**	**7,179**	**233,163**
2001	**103,158**	**85,741**	**50,293**	**NA**	**8,151**	**247,343**
2002	**106,834**	**87,117**	**48,336**	**NA**	**7,124**	**249,411**
2003	**111,249**	**96,263**	**51,741**	**514**	**--**	**259,767**
2004	**115,577**	**100,546**	**53,477**	**519**	**--**	**270,119**
2005	**128,393**	**110,522**	**58,445**	**643**	**--**	**298,003**
2006	**140,582**	**122,914**	**62,308**	**702**	**--**	**326,506**
2007	**148,295**	**128,903**	**65,712**	**792**	**--**	**343,703**
2008						
January	13,491	10,369	5,191	67	--	29,118
February	12,070	9,994	5,073	66	--	27,203
March	11,208	10,036	5,295	66	--	26,604
April	10,045	10,051	5,455	62	--	25,613
May	10,480	10,879	5,855	64	--	27,277
June	14,233	13,066	6,296	73	--	33,668
July	17,265	14,294	6,732	78	--	38,369
August	16,738	13,907	6,507	78	--	37,230
September	13,989	12,888	6,126	73	--	33,076
October	11,352	11,740	5,914	65	--	29,070
November	10,935	10,490	5,433	63	--	26,921
December	13,628	10,755	5,045	72	--	29,500
Total	**155,433**	**138,469**	**68,920**	**827**	**--**	**363,650**
2009[R]						
January	14,927	11,095	4,966	86	--	31,074
February	12,899	10,250	4,737	75	--	27,961
March	12,058	10,449	4,819	75	--	27,401
April	10,550	10,080	4,756	68	--	25,455
May	11,104	10,761	4,926	71	--	26,862
June	13,521	12,203	5,152	70	--	30,945
July	16,353	13,081	5,348	79	--	34,862
August	16,590	13,243	5,623	73	--	35,528
September	13,827	12,218	5,338	72	--	31,455
October	11,506	11,227	5,103	70	--	27,907
November	10,488	9,832	4,698	66	--	25,084
December	13,486	10,645	4,841	77	--	29,048
Total	**157,308**	**135,085**	**60,307**	**881**	**--**	**353,581**
2010						
January[R]	15,618	10,399	4,893	77	--	30,988
February[R]	13,509	9,984	4,822	78	--	28,393
March[R]	12,576	10,237	5,058	71	--	27,942
April[R]	10,371	9,961	5,138	68	--	25,538
May[R]	11,356	10,839	5,423	65	--	27,684
June[R]	15,259	12,663	5,754	74	--	33,750
July[R]	18,720	13,799	6,172	76	--	38,766
August[R]	18,657	13,857	6,240	70	--	38,823
September[R]	15,049	12,670	5,821	72	--	33,612
October[R]	11,544	11,159	5,546	66	--	28,315
November	10,901	10,211	5,190	62	--	26,364
Total	**153,560**	**125,778**	**60,057**	**779**	**--**	**340,174**
Year to Date						
2008	141,805	127,714	63,875	755	--	334,150
2009	143,822	124,440	55,467	804	--	324,533
2010	153,560	125,778	60,057	779	--	340,174
Rolling 12 Months Ending in November						
2009	157,449	135,195	60,512	877	--	354,033
2010	167,046	136,422	64,897	856	--	369,222

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.
R = Revised.
Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Revenue values for 1996-2010 include energy service provider (power marketer) data. • Values for 2009 and prior years are final. • Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Values for 1996 in the commercial and industrial sectors reflect an electric utility`s reclassification for this information by Standard Industrial Classification. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.
Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 1996 through November 2010
(Cents per Kilowatthour)

Period	Residential	Commercial	Industrial[1]	Transportation[1]	Other	All Sectors
1996	**8.36**	**7.64**	**4.60**	**NA**	**6.91**	**6.86**
1997	**8.43**	**7.59**	**4.53**	**NA**	**6.91**	**6.85**
1998	**8.26**	**7.41**	**4.48**	**NA**	**6.63**	**6.74**
1999	**8.16**	**7.26**	**4.43**	**NA**	**6.35**	**6.64**
2000	**8.24**	**7.43**	**4.64**	**NA**	**6.56**	**6.81**
2001	**8.58**	**7.92**	**5.05**	**NA**	**7.20**	**7.29**
2002	**8.44**	**7.89**	**4.88**	**NA**	**6.75**	**7.20**
2003	**8.72**	**8.03**	**5.11**	**7.54**	**--**	**7.44**
2004	**8.95**	**8.17**	**5.25**	**7.18**	**--**	**7.61**
2005	**9.45**	**8.67**	**5.73**	**8.57**	**--**	**8.14**
2006	**10.40**	**9.46**	**6.16**	**9.54**	**--**	**8.90**
2007	**10.65**	**9.65**	**6.39**	**9.70**	**--**	**9.13**
2008						
January	10.15	9.51	6.21	9.34	--	8.92
February	10.19	9.58	6.22	10.01	--	8.92
March	10.47	9.72	6.32	10.27	--	9.03
April	10.92	9.90	6.49	10.09	--	9.21
May	11.39	10.13	6.64	10.67	--	9.47
June	11.75	10.97	7.21	11.72	--	10.26
July	12.05	11.16	7.62	11.89	--	10.65
August	12.06	11.17	7.39	12.12	--	10.58
September	11.90	10.86	7.16	11.67	--	10.26
October	11.81	10.58	7.04	10.27	--	9.96
November	11.43	10.25	6.85	10.21	--	9.68
December	10.90	10.06	6.67	10.76	--	9.57
Total	**11.26**	**10.36**	**6.83**	**10.74**	**--**	**9.74**
2009[R]						
January	10.99	10.00	6.89	11.04	--	9.72
February	11.18	10.17	6.91	11.11	--	9.80
March	11.34	10.04	6.78	11.17	--	9.71
April	11.55	9.95	6.73	11.08	--	9.64
May	11.81	10.11	6.81	11.83	--	9.83
June	11.84	10.50	7.12	11.35	--	10.20
July	11.90	10.63	7.13	11.70	--	10.37
August	12.00	10.59	7.12	11.24	--	10.36
September	12.00	10.50	6.94	11.27	--	10.18
October	11.70	10.21	6.67	11.47	--	9.78
November	11.33	9.85	6.44	11.13	--	9.43
December	10.93	9.73	6.53	11.10	--	9.44
Total	**11.55**	**10.21**	**6.84**	**11.28**	**--**	**9.89**
2010						
January[R]	10.56	9.63	6.53	10.49	--	9.34
February[R]	10.95	9.93	6.55	10.78	--	9.52
March[R]	11.21	10.08	6.51	10.82	--	9.57
April[R]	11.76	9.99	6.59	11.25	--	9.58
May[R]	11.97	10.24	6.66	10.99	--	9.79
June[R]	11.95	10.61	7.00	11.36	--	10.23
July[R]	12.03	10.76	7.28	11.49	--	10.50
August[R]	12.04	10.74	7.18	11.51	--	10.45
September[R]	11.97	10.62	7.04	11.39	--	10.24
October[R]	11.93	10.29	6.82	10.86	--	9.86
November	11.70	10.07	6.59	10.42	--	9.62
Total	**11.63**	**10.30**	**6.81**	**11.03**	**--**	**9.91**
Year to Date						
2008	11.30	10.39	6.84	10.74	--	9.76
2009	11.61	10.25	6.87	11.30	--	9.93
2010	11.63	10.30	6.81	11.03	--	9.91
Rolling 12 Months Ending in November						
2009	11.54	10.23	6.85	11.26	--	9.90
2010	11.57	10.25	6.78	11.03	--	9.87

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.
R = Revised.
Notes: • See Glossary for definitions. • Prices are calculated by dividing revenue by sales. Revenue may not correspond to sales for a particular month because of energy service provider billing and accounting procedures. That lack of correspondence could result in uncharacteristic increases or decreases in the monthly prices. • Geographic coverage is the 50 States and the District of Columbia. • Average Retail Price values for 1996-2010 include energy service provider (power marketer) data. • Values for 2009 and prior years are final. • Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Values for 1996 in the commercial and industrial sectors reflect an electric utility`s reclassification for this information by Standard Industrial Classification. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Totals may not equal sum of components because of independent rounding.
Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2010 and 2009

(Million Kilowatthours)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**3,464**	**3,344**	**3,475**	**3,418**	**2,320**	**2,261**	**44**	**43**	**9,303**	**9,065**
Connecticut	917	866	996	991	287	286	14	14	2,214	2,157
Maine	350	342	320	305	258	248	--	--	928	896
Massachusetts	1,481	1,440	1,380	1,344	1,422	1,385	28	27	4,311	4,195
New Hampshire	325	323	333	344	155	149	--	--	813	816
Rhode Island	229	216	288	284	79	79	2	2	598	581
Vermont	163	157	159	149	117	114	--	--	438	420
Middle Atlantic	**9,433**	**9,286**	**12,379**	**12,189**	**5,330**	**5,223**	**315**	**321**	**27,457**	**27,019**
New Jersey	1,888	1,861	3,031	2,918	657	614	24	29	5,599	5,422
New York	3,624	3,563	5,762	5,742	1,060	1,115	224	225	10,670	10,644
Pennsylvania	3,921	3,862	3,586	3,529	3,613	3,494	67	67	11,187	10,953
East North Central	**13,308**	**13,489[R]**	**14,309**	**14,866[R]**	**15,910**	**13,640[R]**	**49**	**42[R]**	**43,575**	**42,038[R]**
Illinois	3,114	3,232[R]	3,951	5,088[R]	3,428	1,987[R]	43	38[R]	10,537	10,346[R]
Indiana	2,370	2,329	1,801	1,820	3,748	3,599	2	2	7,922	7,749
Michigan	2,491	2,608	3,200	2,985	2,432	2,219	*	*	8,123	7,813
Ohio	3,717	3,656	3,584	3,308	4,427	4,034	3	2	11,731	11,000
Wisconsin	1,616	1,665	1,772	1,665	1,874	1,800	--	--	5,262	5,130
West North Central	**7,039**	**7,206**	**7,660**	**7,427**	**7,210**	**6,446**	**4**	**3**	**21,912**	**21,082**
Iowa	961	975	918	923	1,649	1,509	--	--	3,528	3,407
Kansas	852	864	1,144	1,106	850	790	--	--	2,846	2,760
Minnesota	1,624	1,618	1,747	1,686	1,875	1,643	2	2	5,247	4,948
Missouri	2,234	2,319	2,347	2,269	1,445	1,250	2	2	6,028	5,840
Nebraska	649	719	747	738	847	770	--	--	2,243	2,226
North Dakota	384	359	416	373	349	310	--	--	1,149	1,042
South Dakota	336	353	341	331	194	174	--	--	871	859
South Atlantic	**23,085**	**23,179**	**23,370**	**23,006**	**11,630**	**11,043**	**99**	**101**	**58,185**	**57,329**
Delaware	276	271	308	309	201	222	--	*	785	803
District of Columbia	121	126	710	670	23	22	25	26	879	844
Florida	8,017	8,522	7,313	7,518	1,390	1,372	7	7	16,727	17,419
Georgia	3,375	3,315	3,485	3,435	2,530	2,432	12	13	9,402	9,195
Maryland	1,874	1,824	2,287	2,237	375	432	41	41	4,577	4,535
North Carolina	3,509	3,415	3,475	3,364	2,318	2,162	*	*	9,302	8,941
South Carolina	1,854	1,815	1,549	1,543	2,321	2,119	--	--	5,725	5,477
Virginia	3,125	3,009	3,619	3,366	1,551	1,366	14	13	8,309	7,754
West Virginia	935	882	624	563	920	916	*	*	2,480	2,362
East South Central	**7,428**	**7,468**	**6,132**	**6,133**	**9,937**	**9,768**	*****	*****	**23,498**	**23,370**
Alabama	2,042	2,021	1,670	1,657	2,483	2,470	--	--	6,195	6,148
Kentucky	1,748	1,784	1,357	1,397	3,800	3,818	--	--	6,906	6,999
Mississippi	1,122	1,103	1,018	980	1,314	1,254	--	--	3,454	3,338
Tennessee	2,516	2,560	2,087	2,098	2,340	2,227	*	*	6,944	6,885
West South Central	**11,921**	**11,243**	**13,207**	**12,397**	**12,919**	**11,504**	**8**	**6**	**38,055**	**35,151**
Arkansas	1,047	1,042	886	856	1,385	1,251	*	*	3,319	3,149
Louisiana	1,917	1,826	1,845	1,796	2,488	2,236	1	1	6,251	5,859
Oklahoma	1,289	1,278	1,493	1,405	1,276	1,128	--	--	4,059	3,812
Texas	7,667	7,097	8,982	8,339	7,770	6,889	7	5	24,426	22,331
Mountain	**6,219**	**6,266**	**7,255**	**7,207**	**6,287**	**6,120**	**7**	**7**	**19,769**	**19,600**
Arizona	1,828	1,883	2,208	2,273	947	891	--	--	4,983	5,047
Colorado	1,366	1,369	1,651	1,607	1,100	999	4	4	4,122	3,979
Idaho	732	745	489	479	536	553	--	--	1,757	1,777
Montana	387	390	386	363	364	446	--	--	1,137	1,200
Nevada	594	576	675	666	1,131	1,141	1	1	2,401	2,384
New Mexico	464	474	685	677	539	533	--	--	1,688	1,685
Utah	625	592	801	790	802	660	3	3	2,231	2,044
Wyoming	223	236	358	351	868	896	--	--	1,449	1,483
Pacific Contiguous	**10,840**	**10,639**	**13,093**	**12,668**	**6,850**	**6,480**	**69**	**71**	**30,853**	**29,858**
California	6,377	6,127	9,382	9,081	3,683	3,703	67	69	19,509	18,980
Oregon	1,633	1,676	1,340	1,250	992	926	2	2	3,967	3,854
Washington	2,830	2,836	2,371	2,337	2,176	1,851	1	*	7,377	7,024
Pacific Noncontiguous	**432**	**443**	**518**	**527**	**413**	**415**	**--**	**--**	**1,363**	**1,385**
Alaska	186	188	242	246	108	105	--	--	535	538
Hawaii	247	255	276	281	306	310	--	--	829	847
U.S. Total	**93,170**	**92,565[R]**	**101,399**	**99,839[R]**	**78,805**	**72,899[R]**	**595**	**594[R]**	**273,969**	**265,897[R]**

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

R = Revised.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2010 and 2009

(Million Kilowatthours)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009
New England	**43,713**	**41,399**	**41,753**	**41,197**	**26,139**	**25,213**	**526**	**525**	**112,131**	**108,335**
Connecticut	11,906	11,288	12,324	12,161	3,450	3,421	172	173	27,852	27,042
Maine	3,946	3,945	3,739	3,707	2,834	2,622	--	--	10,519	10,274
Massachusetts	18,965	17,627	16,353	16,049	15,869	15,217	326	326	51,512	49,220
New Hampshire	4,104	3,963	4,107	4,029	1,791	1,717	--	--	10,002	9,708
Rhode Island	2,855	2,674	3,379	3,459	882	962	27	25	7,143	7,119
Vermont	1,938	1,902	1,852	1,793	1,313	1,275	--	--	5,102	4,970
Middle Atlantic	**124,524**	**117,055**	**151,339**	**147,473**	**61,594**	**59,582**	**3,727**	**3,816**	**341,183**	**327,926**
New Jersey	27,854	25,418	36,744	35,944	7,643	7,557	327	332	72,568	69,251
New York	46,704	43,928	71,097	69,083	12,188	12,152	2,598	2,678	132,588	127,841
Pennsylvania	49,965	47,708	43,497	42,447	41,764	39,873	801	806	136,027	130,834
East North Central	**177,796**	**164,558[R]**	**168,892**	**181,914[R]**	**179,778**	**149,472[R]**	**550**	**538[R]**	**527,016**	**496,482[R]**
Illinois	44,317	40,186[R]	47,282	63,121[R]	39,807	20,897[R]	496	480[R]	131,902	124,684[R]
Indiana	31,876	29,241	22,396	21,701	42,117	38,940	18	18	96,406	89,900
Michigan	31,702	29,650	35,565	34,957	27,708	24,527	4	5	94,979	89,140
Ohio	49,369	46,191	42,517	41,508	48,652	44,904	31	35	140,570	132,638
Wisconsin	20,533	19,290	21,131	20,627	21,494	20,204	--	--	63,158	60,121
West North Central	**98,866**	**91,205**	**91,660**	**88,602**	**78,326**	**69,415**	**40**	**39**	**268,892**	**249,261**
Iowa	13,515	12,353	11,075	10,528	17,271	15,965	--	--	41,861	38,846
Kansas	13,165	11,920	14,232	13,662	9,992	9,017	--	--	37,389	34,599
Minnesota	21,279	19,713	20,577	20,088	20,330	17,171	20	20	62,206	56,992
Missouri	33,812	30,733	28,851	27,929	15,594	13,355	20	19	78,277	72,036
Nebraska	9,072	8,591	8,687	8,419	9,372	8,608	--	--	27,130	25,618
North Dakota	3,874	3,907	4,256	4,105	3,635	3,292	--	--	11,765	11,304
South Dakota	4,150	3,987	3,981	3,872	2,133	2,007	--	--	10,264	9,866
South Atlantic	**342,402**	**315,500**	**285,859**	**278,823**	**129,211**	**120,730**	**1,287**	**1,247**	**758,758**	**716,299**
Delaware	4,345	3,950	3,954	3,874	2,336	2,448	10	2	10,644	10,275
District of Columbia	1,924	1,726	8,442	8,227	263	259	327	296	10,956	10,508
Florida	113,179	106,412	85,436	84,784	15,871	15,229	78	77	214,564	206,502
Georgia	55,997	50,625	44,066	42,637	29,159	26,749	159	165	129,381	120,176
Maryland	26,167	24,242	28,149	27,193	4,711	4,831	531	520	59,558	56,787
North Carolina	55,997	50,979	44,024	42,623	24,539	22,729	6	6	124,566	116,337
South Carolina	29,801	27,065	20,464	19,829	25,333	23,215	--	--	75,598	70,108
Virginia	44,043	40,201	44,084	42,635	16,417	15,226	172	176	104,715	98,238
West Virginia	10,950	10,299	7,241	7,022	10,581	10,044	4	4	28,775	27,368
East South Central	**117,627**	**106,589**	**78,266**	**75,862**	**111,660**	**103,765**	**2**	**2**	**307,556**	**286,218**
Alabama	32,089	28,941	21,018	20,350	29,784	26,960	--	--	82,891	76,251
Kentucky	26,148	23,987	17,705	17,409	41,098	39,097	--	--	84,950	80,493
Mississippi	18,510	16,788	12,593	12,116	14,784	13,421	--	--	45,887	42,325
Tennessee	40,880	36,874	26,950	25,987	25,995	24,287	2	2	93,827	87,149
West South Central	**198,108**	**181,040**	**164,740**	**158,308**	**143,896**	**130,040**	**77**	**73**	**506,821**	**469,461**
Arkansas	17,574	15,640	11,194	10,641	15,611	13,272	*	*	44,379	39,554
Louisiana	30,528	27,307	22,437	21,492	25,897	23,276	10	8	78,872	72,083
Oklahoma	21,701	19,610	17,908	17,194	14,017	12,657	--	--	53,626	49,461
Texas	128,305	118,483	113,201	108,980	88,371	80,836	67	65	329,944	308,363
Mountain	**85,257**	**85,160**	**85,071**	**84,541**	**70,620**	**69,775**	**80**	**76**	**241,029**	**239,553**
Arizona	30,183	30,552	27,011	27,152	10,401	10,292	--	--	67,595	67,996
Colorado	16,383	15,722	18,767	18,191	12,546	11,819	42	39	47,739	45,771
Idaho	7,219	7,537	5,284	5,415	8,183	7,677	--	--	20,686	20,629
Montana	4,215	4,244	4,337	4,352	3,975	5,309	--	--	12,527	13,906
Nevada	10,768	10,981	8,037	8,242	12,382	12,384	8	8	31,195	31,614
New Mexico	6,085	5,847	8,238	7,934	5,968	5,857	--	--	20,290	19,638
Utah	7,979	7,854	9,483	9,370	8,031	7,713	31	29	25,523	24,968
Wyoming	2,427	2,422	3,914	3,884	9,135	8,725	--	--	15,475	15,031
Pacific Contiguous	**127,483**	**131,680**	**148,251**	**151,586**	**76,662**	**74,803**	**779**	**800**	**353,176**	**358,869**
California	79,191	81,813	107,692	109,994	41,407	42,920	750	776	229,040	235,503
Oregon	16,811	17,392	14,205	14,471	10,803	11,061	23	21	41,842	42,946
Washington	31,481	32,475	26,354	27,121	24,453	20,822	6	2	82,294	80,421
Pacific Noncontiguous	**4,602**	**4,692**	**5,628**	**5,697**	**4,590**	**4,570**	**--**	**--**	**14,820**	**14,960**
Alaska	1,869	1,891	2,555	2,586	1,219	1,194	--	--	5,643	5,671
Hawaii	2,733	2,801	3,073	3,111	3,371	3,376	--	--	9,177	9,288
U.S. Total	**1,320,378**	**1,238,879[R]**	**1,221,458**	**1,214,003[R]**	**882,477**	**807,366[R]**	**7,067**	**7,117[R]**	**3,431,380**	**3,267,364[R]**

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
R = Revised.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.5.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2010 and 2009
(Million Dollars)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**570**	**567**	**501**	**504**	**291**	**293**	**3**	**3**	**1,365**	**1,368**
Connecticut	179	177	164	166	41	42	2	2	385	387
Maine	55	53	40	38	21	23	--	--	117	114
Massachusetts	218	229	190	195	189	189	1	2	598	614
New Hampshire	55	52	48	48	20	19	--	--	123	119
Rhode Island	36	33	37	38	9	10	*	*	83	81
Vermont	26	23	22	19	11	10	--	--	59	53
Middle Atlantic	**1,462**	**1,343**	**1,662**	**1,553**	**446**	**419**	**40**	**41**	**3,611**	**3,357**
New Jersey	307	291	398	381	74	71	2	4	782	747
New York	656	605	904	843	96	100	31	32	1,687	1,579
Pennsylvania	499	448	361	329	277	248	6	5	1,142	1,030
East North Central	**1,551**	**1,454[R]**	**1,346**	**1,318[R]**	**1,044**	**843[R]**	**3**	**3[R]**	**3,944**	**3,618[R]**
Illinois	372	359[R]	340	413[R]	221	143[R]	3	3[R]	937	918[R]
Indiana	244	213	165	144	239	200	*	*	649	557
Michigan	303	302	313	291	173	134	*	*	789	728
Ohio	425	388	352	316	283	251	*	*	1,061	954
Wisconsin	206	192	175	154	127	116	--	--	509	462
West North Central	**682**	**617**	**587**	**515**	**402**	**341**	*****	*****	**1,671**	**1,473**
Iowa	101	89	70	62	81	70	--	--	252	221
Kansas	85	83	92	86	53	47	--	--	229	216
Minnesota	174	155	147	128	117	97	*	*	438	380
Missouri	203	176	168	138	75	60	*	*	447	374
Nebraska	57	58	55	52	45	39	--	--	157	149
North Dakota	31	27	30	26	20	18	--	--	81	71
South Dakota	31	30	26	23	11	10	--	--	67	63
South Atlantic	**2,557**	**2,622**	**2,185**	**2,229**	**746**	**709**	**9**	**11**	**5,496**	**5,572**
Delaware	40	40	35	37	18	20	--	*	93	96
District of Columbia	16	16	96	88	2	2	3	3	116	109
Florida	946	1,059	738	813	126	123	1	1	1,811	1,996
Georgia	330	318	305	302	141	136	1	1	777	756
Maryland	249	260	264	269	34	41	4	5	551	574
North Carolina	359	347	276	270	133	127	*	*	767	743
South Carolina	209	193	144	139	130	121	--	--	482	453
Virginia	323	316	277	269	103	91	1	1	704	678
West Virginia	86	74	51	42	59	50	*	*	195	166
East South Central	**763**	**688**	**602**	**540**	**587**	**528**	*****	*****	**1,951**	**1,756**
Alabama	227	204	175	159	151	134	--	--	552	497
Kentucky	161	143	114	100	196	179	--	--	471	422
Mississippi	117	114	93	93	82	76	--	--	292	282
Tennessee	258	227	220	187	157	139	*	*	636	554
West South Central	**1,253**	**1,221**	**1,113**	**1,099**	**729**	**663**	**1**	**1**	**3,096**	**2,984**
Arkansas	93	97	62	64	69	70	NM	*	224	230
Louisiana	169	137	156	131	138	96	*	*	463	364
Oklahoma	120	105	101	94	63	52	--	--	283	251
Texas	871	882	795	811	459	445	1	*	2,126	2,138
Mountain	**613**	**613**	**612**	**609**	**335**	**334**	**1**	**1**	**1,561**	**1,556**
Arizona	186	186	199	202	58	55	--	--	443	443
Colorado	142	142	145	142	70	64	*	*	357	349
Idaho	57	58	32	32	24	25	--	--	113	115
Montana	36	34	34	29	20	25	--	--	90	88
Nevada	75	79	65	71	57	67	*	*	197	217
New Mexico	46	46	56	56	29	27	--	--	131	128
Utah	51	47	54	51	33	28	*	*	138	126
Wyoming	20	20	27	26	44	44	--	--	90	90
Pacific Contiguous	**1,347**	**1,264**	**1,495**	**1,363**	**526**	**489**	**6**	**6**	**3,374**	**3,121**
California	970	894	1,212	1,096	380	350	5	6	2,567	2,347
Oregon	146	148	103	97	56	54	*	*	306	299
Washington	231	221	179	170	90	84	*	*	501	475
Pacific Noncontiguous	**102**	**98**	**109**	**102**	**84**	**78**	**--**	**--**	**295**	**279**
Alaska	31	31	35	35	15	16	--	--	81	82
Hawaii	71	67	74	67	69	63	--	--	214	197
U.S. Total	**10,901**	**10,488[R]**	**10,211**	**9,832[R]**	**5,190**	**4,698[R]**	**62**	**66[R]**	**26,364**	**25,084[R]**

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
R = Revised.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.5.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2010 and 2009

(Million Dollars)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009
New England	**7,229**	**7,309**	**6,262**	**6,599**	**3,304**	**3,135**	**45**	**43**	**16,839**	**17,087**
Connecticut	2,304	2,302	2,032	2,043	497	564	20	20	4,853	4,928
Maine	621	618	464	467	247	259	--	--	1,332	1,343
Massachusetts	2,879	3,037	2,498	2,797	2,093	1,841	21	20	7,490	7,695
New Hampshire	669	650	584	594	229	233	--	--	1,482	1,477
Rhode Island	455	418	435	468	114	121	4	3	1,008	1,011
Vermont	302	284	249	231	124	118	--	--	674	632
Middle Atlantic	**19,759**	**17,587**	**21,006**	**19,936**	**5,255**	**4,883**	**488**	**503**	**46,508**	**42,909**
New Jersey	4,628	4,196	5,138	5,193	893	860	38	43	10,696	10,292
New York	8,715	7,807	11,413	10,676	1,185	1,160	386	397	21,699	20,040
Pennsylvania	6,417	5,584	4,455	4,067	3,177	2,863	64	63	14,112	12,577
East North Central	**20,350**	**18,036[R]**	**15,927**	**16,361[R]**	**11,719**	**9,948[R]**	**39**	**47[R]**	**48,035**	**44,393[R]**
Illinois	5,141	4,560[R]	4,182	5,268[R]	2,676	1,583[R]	34	41[R]	12,033	11,452[R]
Indiana	3,062	2,740	1,881	1,776	2,510	2,233	2	2	7,454	6,751
Michigan	3,965	3,509	3,600	3,354	1,993	1,748	*	1	9,559	8,611
Ohio	5,601	4,918	4,160	3,996	3,076	3,025	3	4	12,839	11,943
Wisconsin	2,581	2,308	2,104	1,968	1,464	1,360	--	--	6,150	5,636
West North Central	**9,575**	**8,348**	**7,207**	**6,587**	**4,581**	**4,003**	**3**	**3**	**21,366**	**18,941**
Iowa	1,413	1,228	876	790	929	833	--	--	3,218	2,852
Kansas	1,313	1,154	1,160	1,096	614	558	--	--	3,087	2,808
Minnesota	2,226	1,974	1,721	1,587	1,282	1,082	2	2	5,231	4,644
Missouri	3,118	2,615	2,176	1,941	866	718	1	1	6,162	5,276
Nebraska	818	737	666	619	558	502	--	--	2,042	1,859
North Dakota	316	300	306	281	206	195	--	--	828	775
South Dakota	371	340	302	273	126	113	--	--	798	727
South Atlantic	**37,936**	**35,660**	**26,619**	**26,853**	**8,568**	**8,031**	**123**	**129**	**73,246**	**70,671**
Delaware	601	559	450	465	224	228	1	*	1,277	1,252
District of Columbia	264	233	1,188	1,150	22	23	36	38	1,511	1,444
Florida	13,011	13,117	8,349	9,121	1,404	1,403	7	8	22,771	23,648
Georgia	5,742	5,128	3,994	3,790	1,801	1,638	12	12	11,548	10,568
Maryland	3,804	3,667	3,275	3,292	445	480	54	55	7,578	7,493
North Carolina	5,759	5,091	3,604	3,382	1,508	1,350	*	*	10,872	9,824
South Carolina	3,148	2,769	1,817	1,717	1,437	1,338	--	--	6,402	5,824
Virginia	4,645	4,285	3,386	3,462	1,107	1,047	13	15	9,152	8,809
West Virginia	962	811	554	474	620	524	*	*	2,136	1,810
East South Central	**11,378**	**10,243**	**7,331**	**7,011**	**6,543**	**6,085**	*****	*****	**25,253**	**23,339**
Alabama	3,487	3,069	2,161	2,038	1,799	1,620	--	--	7,446	6,728
Kentucky	2,246	2,004	1,392	1,326	2,081	1,924	--	--	5,719	5,254
Mississippi	1,846	1,713	1,175	1,154	940	890	--	--	3,961	3,757
Tennessee	3,799	3,457	2,603	2,492	1,724	1,651	*	*	8,126	7,601
West South Central	**21,180**	**20,571**	**14,456**	**14,453**	**8,676**	**8,303**	**8**	**7**	**44,320**	**43,334**
Arkansas	1,549	1,465	811	811	847	775	*	*	3,207	3,051
Louisiana	2,739	2,261	1,913	1,693	1,529	1,236	1	1	6,181	5,190
Oklahoma	1,991	1,707	1,328	1,194	729	626	--	--	4,048	3,527
Texas	14,901	15,138	10,403	10,756	5,572	5,666	7	6	30,884	31,566
Mountain	**9,016**	**8,715**	**7,502**	**7,271**	**4,367**	**4,269**	**7**	**6**	**20,893**	**20,262**
Arizona	3,334	3,304	2,572	2,563	702	686	--	--	6,608	6,553
Colorado	1,822	1,571	1,713	1,498	874	748	4	3	4,413	3,819
Idaho	576	578	353	353	424	398	--	--	1,354	1,329
Montana	387	378	369	357	222	301	--	--	977	1,036
Nevada	1,337	1,410	798	876	928	996	1	1	3,065	3,283
New Mexico	647	594	718	681	362	342	--	--	1,727	1,617
Utah	700	671	686	660	401	374	3	2	1,789	1,707
Wyoming	213	208	293	284	455	424	--	--	961	916
Pacific Contiguous	**16,064**	**16,353**	**18,313**	**18,315**	**6,135**	**6,043**	**66**	**67**	**40,579**	**40,779**
California	12,064	12,313	15,299	15,297	4,575	4,540	64	65	32,002	32,215
Oregon	1,490	1,524	1,087	1,115	591	586	2	1	3,170	3,226
Washington	2,510	2,517	1,927	1,902	969	918	*	*	5,407	5,337
Pacific Noncontiguous	**1,073**	**1,000**	**1,155**	**1,054**	**908**	**766**	**--**	**--**	**3,136**	**2,819**
Alaska	307	327	361	380	171	159	--	--	839	866
Hawaii	765	673	795	674	737	606	--	--	2,297	1,953
U.S. Total	**153,560**	**143,822[R]**	**125,778**	**124,440[R]**	**60,057**	**55,467[R]**	**779**	**804[R]**	**340,174**	**324,533[R]**

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
R = Revised.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, November 2010 and 2009

(Cents per Kilowatthour)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009	Nov 2010	Nov 2009
New England	**16.45**	**16.97**	**14.41**	**14.75**	**12.55**	**12.97**	**7.45**	**8.00**	**14.67**	**15.09**
Connecticut	19.57	20.42	16.42	16.73	14.17	14.78	11.35	11.34	17.41	17.92
Maine	15.84	15.54	12.55	12.36	8.17	9.29	--	--	12.57	12.73
Massachusetts	14.71	15.89	13.75	14.50	13.29	13.63	5.03	5.90	13.87	14.63
New Hampshire	16.89	16.25	14.56	13.91	12.88	12.57	--	--	15.17	14.59
Rhode Island	15.90	15.11	12.80	13.54	11.22	12.60	14.74	12.60	13.79	14.00
Vermont	15.84	14.93	13.80	12.94	9.62	9.21	--	--	13.44	12.67
Middle Atlantic	**15.50**	**14.47**	**13.43**	**12.74**	**8.38**	**8.02**	**12.57**	**12.88**	**13.15**	**12.42**
New Jersey	16.28	15.63	13.13	13.06	11.27	11.57	10.29	12.22	13.96	13.77
New York	18.09	16.98	15.69	14.68	9.04	8.93	14.02	14.37	15.81	14.84
Pennsylvania	12.74	11.59	10.05	9.32	7.66	7.11	8.50	8.13	10.21	9.41
East North Central	**11.66**	**10.78[R]**	**9.41**	**8.86[R]**	**6.56**	**6.18[R]**	**6.68**	**8.00[R]**	**9.05**	**8.61[R]**
Illinois	11.96	11.10[R]	8.61	8.12[R]	6.46	7.18[R]	6.43	7.83[R]	8.89	8.87[R]
Indiana	10.31	9.15	9.18	7.90	6.37	5.55	9.56	9.37	8.19	7.19
Michigan	12.17	11.58	9.77	9.76	7.10	6.04	11.59	10.34	9.71	9.31
Ohio	11.44	10.61	9.83	9.54	6.40	6.21	7.93	9.81	9.04	8.67
Wisconsin	12.76	11.55	9.90	9.24	6.80	6.43	--	--	9.68	9.00
West North Central	**9.69**	**8.57**	**7.66**	**6.93**	**5.57**	**5.29**	**6.14**	**6.42**	**7.62**	**6.99**
Iowa	10.50	9.13	7.59	6.74	4.92	4.65	--	--	7.14	6.50
Kansas	9.96	9.56	8.01	7.79	6.19	5.93	--	--	8.05	7.81
Minnesota	10.72	9.57	8.41	7.56	6.22	5.93	7.84	7.74	8.34	7.68
Missouri	9.10	7.60	7.16	6.08	5.22	4.76	4.78	4.93	7.41	6.40
Nebraska	8.84	8.02	7.36	6.99	5.30	5.13	--	--	7.01	6.68
North Dakota	8.11	7.56	7.23	6.85	5.61	5.81	--	--	7.03	6.79
South Dakota	9.10	8.49	7.50	7.07	5.74	5.46	--	--	7.73	7.33
South Atlantic	**11.08**	**11.31**	**9.35**	**9.69**	**6.41**	**6.42**	**8.86**	**10.53**	**9.45**	**9.72**
Delaware	14.50	14.57	11.29	11.84	9.03	8.95	--	10.84	11.84	11.96
District of Columbia	12.97	12.66	13.45	13.19	8.63	7.89	10.27	12.85	13.17	12.96
Florida	11.80	12.43	10.09	10.81	9.06	8.99	9.16	10.93	10.83	11.46
Georgia	9.77	9.59	8.76	8.79	5.59	5.57	6.75	6.38	8.27	8.22
Maryland	13.31	14.23	11.53	12.04	9.04	9.39	9.12	11.15	12.04	12.66
North Carolina	10.22	10.16	7.93	8.01	5.73	5.86	6.84	7.22	8.25	8.31
South Carolina	11.25	10.64	9.26	9.03	5.60	5.70	--	--	8.42	8.28
Virginia	10.33	10.51	7.66	8.00	6.66	6.67	7.37	8.14	8.48	8.74
West Virginia	9.18	8.38	8.16	7.48	6.36	5.42	8.37	7.34	7.88	7.02
East South Central	**10.27**	**9.21**	**9.82**	**8.80**	**5.91**	**5.41**	**11.03**	**10.35**	**8.30**	**7.51**
Alabama	11.10	10.08	10.46	9.61	6.08	5.43	--	--	8.91	8.09
Kentucky	9.20	8.03	8.41	7.15	5.17	4.69	--	--	6.83	6.03
Mississippi	10.40	10.29	9.10	9.50	6.25	6.03	--	--	8.44	8.46
Tennessee	10.27	8.87	10.56	8.93	6.72	6.26	11.03	10.35	9.16	8.05
West South Central	**10.52**	**10.86**	**8.43**	**8.86**	**5.64**	**5.76**	**9.76**	**9.96**	**8.14**	**8.49**
Arkansas	8.87	9.28	6.98	7.42	4.98	5.59	10.94	12.63	6.74	7.31
Louisiana	8.83	7.52	8.44	7.28	5.55	4.29	8.71	10.08	7.41	6.21
Oklahoma	9.31	8.25	6.73	6.65	4.92	4.65	--	--	6.98	6.60
Texas	11.37	12.42	8.85	9.73	5.91	6.46	9.89	9.92	8.70	9.57
Mountain	**9.86**	**9.78**	**8.43**	**8.45**	**5.34**	**5.46**	**8.73**	**8.52**	**7.90**	**7.94**
Arizona	10.15	9.86	9.02	8.88	6.13	6.16	--	--	8.89	8.77
Colorado	10.39	10.40	8.78	8.85	6.38	6.39	8.89	8.88	8.67	8.76
Idaho	7.85	7.83	6.46	6.70	4.52	4.53	--	--	6.45	6.50
Montana	9.39	8.81	8.82	7.93	5.45	5.56	--	--	7.93	7.33
Nevada	12.60	13.72	9.65	10.64	5.03	5.90	8.02	9.06	8.20	9.12
New Mexico	9.91	9.60	8.18	8.26	5.45	5.04	--	--	7.78	7.62
Utah	8.16	8.00	6.73	6.48	4.16	4.19	8.65	7.90	6.21	6.18
Wyoming	8.91	8.53	7.46	7.35	5.01	4.87	--	--	6.22	6.04
Pacific Contiguous	**12.43**	**11.88**	**11.42**	**10.76**	**7.68**	**7.54**	**7.94**	**8.45**	**10.94**	**10.45**
California	15.20	14.60	12.92	12.07	10.33	9.46	7.96	8.51	13.16	12.36
Oregon	8.96	8.83	7.73	7.73	5.61	5.86	7.10	6.79	7.70	7.76
Washington	8.18	7.81	7.56	7.26	4.15	4.54	7.76	6.86	6.79	6.77
Pacific Noncontiguous	**23.69**	**22.21**	**21.00**	**19.41**	**20.36**	**18.89**	**--**	**--**	**21.66**	**20.15**
Alaska	16.76	16.73	14.54	14.27	14.08	15.14	--	--	15.22	15.29
Hawaii	28.91	26.23	26.65	23.92	22.56	20.15	--	--	25.81	23.24
U.S. Total	**11.70**	**11.33[R]**	**10.07**	**9.85[R]**	**6.59**	**6.44[R]**	**10.42**	**11.13[R]**	**9.62**	**9.43[R]**

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

R = Revised.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2010 and 2009

(Cents per Kilowatthour)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009
New England	**16.54**	**17.66**	**15.00**	**16.02**	**12.64**	**12.44**	**8.59**	**8.15**	**15.02**	**15.77**
Connecticut	19.35	20.39	16.49	16.80	14.41	16.48	11.74	11.52	17.42	18.22
Maine	15.73	15.66	12.41	12.59	8.72	9.86	--	--	12.66	13.07
Massachusetts	15.18	17.23	15.28	17.43	13.19	12.10	6.50	6.02	14.54	15.63
New Hampshire	16.31	16.41	14.22	14.76	12.77	13.55	--	--	14.82	15.22
Rhode Island	15.94	15.64	12.88	13.54	12.89	12.60	13.66	12.38	14.11	14.20
Vermont	15.56	14.91	13.42	12.86	9.46	9.25	--	--	13.22	12.72
Middle Atlantic	**15.87**	**15.02**	**13.88**	**13.52**	**8.53**	**8.20**	**13.10**	**13.18**	**13.63**	**13.08**
New Jersey	16.61	16.51	13.98	14.45	11.68	11.38	11.69	13.00	14.74	14.86
New York	18.66	17.77	16.05	15.45	9.73	9.54	14.87	14.83	16.37	15.68
Pennsylvania	12.84	11.70	10.24	9.58	7.61	7.18	7.97	7.78	10.38	9.61
East North Central	**11.45**	**10.96[R]**	**9.43**	**8.99[R]**	**6.52**	**6.66[R]**	**7.04**	**8.66[R]**	**9.11**	**8.94[R]**
Illinois	11.60	11.35[R]	8.84	8.35[R]	6.72	7.57[R]	6.82	8.44[R]	9.12	9.18[R]
Indiana	9.61	9.37	8.40	8.18	5.96	5.73	9.15	9.78	7.73	7.51
Michigan	12.51	11.83	10.12	9.59	7.19	7.13	10.43	10.82	10.06	9.66
Ohio	11.34	10.65	9.78	9.63	6.32	6.74	8.86	10.85	9.13	9.00
Wisconsin	12.57	11.97	9.96	9.54	6.81	6.73	--	--	9.74	9.37
West North Central	**9.69**	**9.15**	**7.86**	**7.43**	**5.85**	**5.77**	**6.98**	**6.84**	**7.95**	**7.60**
Iowa	10.46	9.94	7.91	7.50	5.38	5.22	--	--	7.69	7.34
Kansas	9.97	9.68	8.15	8.02	6.15	6.19	--	--	8.26	8.12
Minnesota	10.46	10.01	8.37	7.90	6.31	6.30	7.77	7.72	8.41	8.15
Missouri	9.22	8.51	7.54	6.95	5.56	5.38	6.20	5.93	7.87	7.32
Nebraska	9.02	8.58	7.66	7.35	5.96	5.84	--	--	7.53	7.26
North Dakota	8.15	7.67	7.19	6.83	5.67	5.93	--	--	7.04	6.86
South Dakota	8.94	8.53	7.58	7.06	5.89	5.65	--	--	7.78	7.37
South Atlantic	**11.08**	**11.30**	**9.31**	**9.63**	**6.63**	**6.65**	**9.54**	**10.31**	**9.65**	**9.87**
Delaware	13.84	14.16	11.38	11.99	9.61	9.30	8.86	10.78	11.99	12.18
District of Columbia	13.74	13.50	14.08	13.98	8.49	8.69	10.96	12.95	13.79	13.74
Florida	11.50	12.33	9.77	10.76	8.84	9.21	8.55	10.46	10.61	11.45
Georgia	10.26	10.13	9.06	8.89	6.18	6.12	7.44	7.02	8.93	8.79
Maryland	14.54	15.12	11.64	12.11	9.45	9.93	10.09	10.53	12.72	13.20
North Carolina	10.28	9.99	8.19	7.93	6.15	5.94	7.14	6.81	8.73	8.44
South Carolina	10.56	10.23	8.88	8.66	5.67	5.76	--	--	8.47	8.31
Virginia	10.55	10.66	7.68	8.12	6.74	6.88	7.71	8.43	8.74	8.97
West Virginia	8.78	7.87	7.66	6.75	5.86	5.22	8.34	7.55	7.42	6.61
East South Central	**9.67**	**9.61**	**9.37**	**9.24**	**5.86**	**5.86**	**11.22**	**10.83**	**8.21**	**8.15**
Alabama	10.87	10.61	10.28	10.02	6.04	6.01	--	--	8.98	8.82
Kentucky	8.59	8.35	7.86	7.62	5.06	4.92	--	--	6.73	6.53
Mississippi	9.98	10.20	9.33	9.53	6.36	6.63	--	--	8.63	8.88
Tennessee	9.29	9.38	9.66	9.59	6.63	6.80	11.22	10.83	8.66	8.72
West South Central	**10.69**	**11.36**	**8.78**	**9.13**	**6.03**	**6.38**	**9.86**	**9.86**	**8.75**	**9.23**
Arkansas	8.82	9.37	7.25	7.62	5.42	5.84	11.11	12.98	7.23	7.71
Louisiana	8.97	8.28	8.53	7.88	5.90	5.31	9.56	10.10	7.84	7.20
Oklahoma	9.17	8.71	7.42	6.94	5.20	4.95	--	--	7.55	7.13
Texas	11.61	12.78	9.19	9.87	6.31	7.01	9.90	9.81	9.36	10.24
Mountain	**10.58**	**10.23**	**8.82**	**8.60**	**6.18**	**6.12**	**9.17**	**8.38**	**8.67**	**8.46**
Arizona	11.05	10.81	9.52	9.44	6.75	6.67	--	--	9.78	9.64
Colorado	11.12	9.99	9.13	8.23	6.96	6.33	9.41	8.07	9.24	8.34
Idaho	7.98	7.67	6.69	6.51	5.18	5.19	--	--	6.54	6.44
Montana	9.18	8.91	8.50	8.21	5.58	5.66	--	--	7.80	7.45
Nevada	12.42	12.84	9.94	10.63	7.50	8.04	9.51	10.00	9.83	10.39
New Mexico	10.63	10.17	8.72	8.58	6.07	5.84	--	--	8.51	8.23
Utah	8.77	8.54	7.23	7.04	4.99	4.85	8.74	8.35	7.01	6.84
Wyoming	8.79	8.59	7.48	7.31	4.98	4.86	--	--	6.21	6.09
Pacific Contiguous	**12.60**	**12.42**	**12.35**	**12.08**	**8.00**	**8.08**	**8.51**	**8.37**	**11.49**	**11.36**
California	15.23	15.05	14.21	13.91	11.05	10.58	8.57	8.42	13.97	13.68
Oregon	8.86	8.76	7.66	7.71	5.47	5.30	6.99	6.83	7.58	7.51
Washington	7.97	7.75	7.31	7.01	3.96	4.41	7.36	5.98	6.57	6.64
Pacific Noncontiguous	**23.31**	**21.31**	**20.53**	**18.49**	**19.78**	**16.76**	**--**	**--**	**21.16**	**18.85**
Alaska	16.44	17.30	14.12	14.68	13.99	13.35	--	--	14.86	15.27
Hawaii	28.00	24.01	25.86	21.67	21.87	17.96	--	--	25.03	21.03
U.S. Total	**11.63**	**11.61[R]**	**10.30**	**10.25[R]**	**6.81**	**6.87[R]**	**11.03**	**11.30[R]**	**9.91**	**9.93[R]**

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

R = Revised.

Notes: • See Glossary for definitions. • Values for 2009 are final. Values for 2010 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Appendices

A. Relative Standard Error

B. Major Disturbances and Unusual Occurrences

C. Technical Notes

Appendix A

Relative Standard Error

Table A1.A. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**16**	**10**	**--**	**1**	**0**	**0**	**9**
Connecticut	0	38	--	2	0	0	52
Maine	0	3	--	4	--	--	14
Massachusetts	24	44	--	2	--	0	17
New Hampshire	0	42	--	1	--	0	14
Rhode Island	--	268	--	2	--	--	548
Vermont	--	163	--	0	--	0	33
Middle Atlantic	**3**	**25**	**249**	**1**	**16**	**0**	**2**
New Jersey	3	6	--	3	37	0	13
New York	13	93	728	2	--	0	3
Pennsylvania	3	34	260	2	12	0	6
East North Central	*****	**4**	**23**	**2**	**8**	**0**	**12**
Illinois	1	8	0	16	71	0	100
Indiana	*	7	0	4	8	--	17
Michigan	1	12	201	5	0	0	13
Ohio	1	4	30	2	0	0	24
Wisconsin	1	34	0	6	0	0	34
West North Central	**1**	**4**	**0**	**10**	**59**	**0**	**5**
Iowa	2	6	0	25	--	0	51
Kansas	0	4	0	41	--	0	363
Minnesota	3	39	0	12	154	0	47
Missouri	1	4	0	16	0	0	9
Nebraska	3	4	--	7	--	0	56
North Dakota	3	24	--	194	68	--	0
South Dakota	7	150	--	470	--	--	4
South Atlantic	*****	**7**	**0**	**1**	**0**	**0**	**3**
Delaware	4	41	--	9	0	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	1	10	0	1	0	0	87
Georgia	*	9	0	1	--	0	7
Maryland	2	18	--	23	0	0	1
North Carolina	1	58	--	4	--	0	10
South Carolina	1	4	0	3	0	0	8
Virginia	3	3	--	1	--	0	4
West Virginia	*	2	--	53	0	--	21
East South Central	*****	**10**	**0**	**1**	**11**	**0**	**4**
Alabama	1	26	--	2	10	0	7
Kentucky	1	6	0	19	0	--	8
Mississippi	0	13	--	1	87	0	--
Tennessee	*	6	--	4	0	0	6
West South Central	*****	**14**	**13**	**1**	**2**	**0**	**13**
Arkansas	0	8	0	2	--	0	17
Louisiana	0	3	13	2	3	0	0
Oklahoma	1	75	0	1	--	--	27
Texas	0	20	0	1	3	0	33
Mountain	**1**	**4**	**0**	**1**	**9**	**0**	**5**
Arizona	*	5	0	1	--	0	3
Colorado	2	50	--	2	0	--	23
Idaho	61	462	--	11	--	--	13
Montana	5	42	0	198	366	--	7
Nevada	0	3	--	1	0	--	5
New Mexico	0	6	--	5	--	--	82
Utah	3	10	--	5	82	--	46
Wyoming	2	6	--	22	7	--	31
Pacific Contiguous	**1**	**74**	**116**	**1**	**4**	**0**	**2**
California	9	8	116	1	5	0	4
Oregon	0	154	--	1	--	--	3
Washington	0	211	--	6	0	0	2
Pacific Noncontiguous	**5**	**7**	**--**	**10**	**88**	**--**	**25**
Alaska	13	3	--	10	--	--	26
Hawaii	6	7	--	--	88	--	110
U.S. Total	*****	**5**	**16**	*****	**3**	**0**	**1**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A1.A. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**6**	--	**2**	**194**	**2**	--	**5**	**1**
Connecticut	--	--	4	--	4	--	7	1
Maine	2	--	2	--	2	--	15	3
Massachusetts	126	--	5	194	5	--	7	3
New Hampshire	48	--	10	--	10	--	49	1
Rhode Island	--	--	16	--	16	--	--	2
Vermont	0	--	12	--	12	--	--	6
Middle Atlantic	**4**	--	**3**	**44**	**2**	--	**4**	**1**
New Jersey	83	--	7	50	7	--	9	1
New York	5	--	4	--	3	--	8	1
Pennsylvania	5	--	4	88	3	--	6	1
East North Central	**1**	--	**3**	**43**	**1**	--	**8**	*
Illinois	2	--	7	66	2	--	36	1
Indiana	0	--	15	--	1	--	4	*
Michigan	11	--	5	--	5	--	15	1
Ohio	103	--	8	55	8	--	0	1
Wisconsin	2	--	6	--	3	--	38	1
West North Central	**1**	--	**5**	--	**1**	--	**18**	**1**
Iowa	1	--	17	--	1	--	0	1
Kansas	1	--	0	--	1	--	--	1
Minnesota	3	--	5	--	2	--	20	2
Missouri	1	--	38	--	1	--	0	1
Nebraska	6	--	35	--	7	--	--	2
North Dakota	3	--	154	--	3	--	0	2
South Dakota	6	--	0	--	6	--	0	3
South Atlantic	**1**	--	**1**	**12**	**1**	--	**3**	*
Delaware	257	--	13	--	19	--	0	5
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	3	11	3	--	4	1
Georgia	--	--	3	--	3	--	38	*
Maryland	--	--	4	--	4	--	*	1
North Carolina	--	--	3	66	3	--	91	1
South Carolina	--	--	1	--	1	--	0	1
Virginia	--	--	3	--	3	--	6	1
West Virginia	0	--	0	--	0	--	0	1
East South Central	**0**	--	**2**	--	**2**	--	**104**	*
Alabama	--	--	3	--	3	--	0	1
Kentucky	--	--	7	--	7	--	0	1
Mississippi	--	--	2	--	2	--	120	1
Tennessee	0	--	8	--	8	--	0	1
West South Central	**1**	--	**3**	**53**	**1**	--	**14**	*
Arkansas	--	--	3	--	3	--	0	1
Louisiana	--	--	5	--	5	--	10	1
Oklahoma	3	--	27	--	3	--	0	1
Texas	1	--	7	53	1	--	20	*
Mountain	**2**	**4**	**6**	**5**	**2**	--	**4**	**1**
Arizona	0	--	10	30	5	--	0	*
Colorado	4	--	51	39	4	--	64	2
Idaho	13	19	0	--	8	--	0	9
Montana	4	--	30	--	4	--	0	4
Nevada	--	5	0	4	5	--	--	1
New Mexico	1	--	77	0	1	--	--	1
Utah	15	0	46	--	8	--	4	3
Wyoming	2	--	--	--	2	--	0	1
Pacific Contiguous	**3**	**2**	**3**	**5**	**2**	--	**10**	**1**
California	7	2	4	5	2	--	10	1
Oregon	4	--	9	--	4	--	58	2
Washington	2	--	3	0	2	--	44	1
Pacific Noncontiguous	**34**	**0**	**19**	**154**	**13**	--	**0**	**5**
Alaska	168	--	188	--	129	--	0	7
Hawaii	34	0	19	154	13	--	0	6
U.S. Total	**1**	**2**	**1**	**4**	**1**	--	**3**	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**3**	**--**	*****	**0**	**0**	**3**
Connecticut	0	2	--	1	0	0	14
Maine	0	3	--	1	--	--	4
Massachusetts	2	7	--	*	--	0	4
New Hampshire	0	13	--	*	--	0	5
Rhode Island	--	53	--	1	--	--	139
Vermont	--	86	--	0	--	0	9
Middle Atlantic	*****	**3**	**19**	*****	**4**	**0**	**1**
New Jersey	1	5	--	1	11	0	3
New York	1	4	7	1	--	0	1
Pennsylvania	*	3	70	1	3	0	2
East North Central	*****	**1**	**6**	**1**	**2**	**0**	**3**
Illinois	*	4	0	2	20	0	21
Indiana	*	3	0	2	2	--	6
Michigan	*	2	55	1	0	0	3
Ohio	*	2	6	1	36	0	9
Wisconsin	*	6	0	1	0	0	10
West North Central	*****	**2**	**0**	**2**	**18**	**0**	**2**
Iowa	*	3	0	5	--	0	13
Kansas	0	2	0	5	--	0	93
Minnesota	1	11	0	3	40	0	13
Missouri	*	3	0	2	0	0	1
Nebraska	1	4	--	8	--	0	16
North Dakota	1	6	--	64	21	--	0
South Dakota	2	30	--	21	--	--	1
South Atlantic	*****	**1**	**0**	*****	**0**	**0**	**1**
Delaware	1	11	--	2	0	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	*	1	0	*	0	0	22
Georgia	*	16	0	*	--	0	2
Maryland	*	4	--	3	0	0	1
North Carolina	*	10	--	1	--	0	2
South Carolina	*	17	0	1	0	0	2
Virginia	*	3	--	*	--	0	1
West Virginia	*	1	--	9	0	--	5
East South Central	*****	**5**	**0**	*****	**3**	**0**	**1**
Alabama	*	14	--	*	3	0	2
Kentucky	*	4	0	3	0	--	2
Mississippi	*	5	--	*	26	0	--
Tennessee	*	2	--	2	0	0	2
West South Central	*****	**7**	**5**	*****	**1**	**0**	**2**
Arkansas	0	8	0	*	--	0	2
Louisiana	0	*	6	*	1	0	0
Oklahoma	*	44	0	*	--	--	3
Texas	0	12	8	*	1	0	7
Mountain	*****	**2**	**0**	*****	**3**	**0**	**1**
Arizona	*	1	0	*	--	0	1
Colorado	1	15	--	1	0	--	6
Idaho	15	275	--	4	--	--	3
Montana	1	11	0	36	79	--	2
Nevada	0	2	--	*	0	--	1
New Mexico	0	3	--	1	--	--	22
Utah	1	4	--	2	26	--	13
Wyoming	*	3	--	8	2	--	3
Pacific Contiguous	*****	**11**	**44**	*****	**1**	**0**	**1**
California	2	3	44	1	1	0	1
Oregon	0	26	--	*	--	--	1
Washington	0	30	--	1	0	0	*
Pacific Noncontiguous	**1**	**1**	**--**	**2**	**27**	**--**	**7**
Alaska	4	1	--	2	--	--	7
Hawaii	1	1	--	--	27	--	37
U.S. Total	*****	**1**	**3**	*****	**1**	**0**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**2**	--	**1**	**135**	**1**	--	**2**	*
Connecticut	--	--	2	--	2	--	2	*
Maine	1	--	1	--	*	--	4	1
Massachusetts	38	--	2	135	2	--	2	1
New Hampshire	16	--	3	--	3	--	15	*
Rhode Island	--	--	6	--	6	--	--	1
Vermont	0	--	4	--	4	--	--	2
Middle Atlantic	**1**	--	**1**	**11**	**1**	--	**2**	*
New Jersey	28	--	2	13	2	--	3	*
New York	1	--	1	--	1	--	3	*
Pennsylvania	2	--	1	22	1	--	2	*
East North Central	*	--	**1**	**12**	*	--	**2**	*
Illinois	1	--	3	17	1	--	14	*
Indiana	0	--	4	--	*	--	1	*
Michigan	4	--	2	--	1	--	4	*
Ohio	34	--	3	15	3	--	0	*
Wisconsin	1	--	2	--	1	--	9	*
West North Central	*	--	**2**	--	*	--	**6**	*
Iowa	*	--	5	--	*	--	0	*
Kansas	*	--	0	--	*	--	--	*
Minnesota	1	--	2	--	1	--	7	*
Missouri	*	--	12	--	1	--	0	*
Nebraska	2	--	9	--	2	--	--	*
North Dakota	1	--	24	--	1	--	0	1
South Dakota	2	--	0	--	2	--	0	1
South Atlantic	*	--	*	**5**	*	--	**1**	*
Delaware	122	--	3	--	4	--	0	1
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	1	5	1	--	1	*
Georgia	--	--	1	--	1	--	12	*
Maryland	--	--	1	--	1	--	*	*
North Carolina	--	--	1	18	1	--	12	*
South Carolina	--	--	*	--	*	--	0	*
Virginia	--	--	1	--	1	--	2	*
West Virginia	0	--	0	--	0	--	0	*
East South Central	**0**	--	**1**	--	**1**	--	**12**	*
Alabama	--	--	1	--	1	--	0	*
Kentucky	--	--	2	--	2	--	0	*
Mississippi	--	--	1	--	1	--	36	*
Tennessee	0	--	3	--	3	--	0	*
West South Central	*	--	**1**	**53**	*	--	**4**	*
Arkansas	--	--	1	--	1	--	0	*
Louisiana	--	--	2	--	2	--	2	*
Oklahoma	1	--	6	--	1	--	0	*
Texas	*	--	2	53	*	--	6	*
Mountain	**1**	**2**	**2**	**2**	**1**	--	**2**	*
Arizona	0	--	2	11	1	--	0	*
Colorado	1	--	11	9	1	--	22	1
Idaho	6	12	0	--	3	--	0	2
Montana	1	--	10	--	2	--	0	1
Nevada	--	2	0	1	2	--	--	*
New Mexico	*	--	15	0	*	--	--	*
Utah	3	0	13	--	2	--	2	1
Wyoming	1	--	--	--	1	--	0	*
Pacific Contiguous	**1**	**1**	**1**	**1**	*	--	**3**	*
California	1	1	1	1	1	--	3	*
Oregon	1	--	3	--	1	--	5	1
Washington	1	--	1	0	1	--	14	*
Pacific Noncontiguous	**7**	**0**	**3**	**31**	**3**	--	**0**	**1**
Alaska	46	--	32	--	32	--	0	2
Hawaii	7	0	3	31	3	--	0	1
U.S. Total	*	**1**	*	**1**	*	--	**1**	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**8**	**--**	**0**	**--**	**--**	**26**
Connecticut	--	103	--	0	--	--	198
Maine	--	101	--	--	--	--	--
Massachusetts	--	12	--	0	--	--	79
New Hampshire	0	2	--	0	--	--	17
Rhode Island	--	28	--	--	--	--	--
Vermont	--	163	--	0	--	--	51
Middle Atlantic	**391**	**247**	**--**	**7**	**--**	**--**	**1**
New Jersey	391	678	--	--	--	--	0
New York	0	250	--	7	--	--	1
Pennsylvania	--	111	--	927	--	--	8
East North Central	*****	**4**	**45**	**2**	**0**	**0**	**11**
Illinois	1	31	--	112	--	--	179
Indiana	*	5	--	3	--	--	17
Michigan	1	9	524	54	--	0	13
Ohio	1	2	--	2	0	--	24
Wisconsin	1	28	0	5	0	--	36
West North Central	**1**	**3**	**0**	**11**	**119**	**0**	**5**
Iowa	2	6	0	23	--	--	51
Kansas	0	4	0	41	--	0	--
Minnesota	3	37	0	15	154	0	60
Missouri	1	3	0	16	0	0	9
Nebraska	3	4	--	0	--	0	56
North Dakota	3	17	--	765	--	--	0
South Dakota	7	166	--	470	--	--	4
South Atlantic	*****	**8**	**0**	**1**	**--**	**0**	**4**
Delaware	--	436	--	589	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	0	4	0	1	--	0	87
Georgia	0	4	--	0	--	0	7
Maryland	--	47	--	0	--	--	--
North Carolina	0	63	--	5	--	0	10
South Carolina	1	4	0	0	--	0	7
Virginia	0	1	--	0	--	0	4
West Virginia	*	2	--	0	--	--	56
East South Central	*****	**3**	**0**	**3**	**0**	**0**	**4**
Alabama	1	4	--	6	--	0	7
Kentucky	1	6	0	0	0	--	8
Mississippi	0	14	--	1	--	0	--
Tennessee	0	1	--	0	--	0	6
West South Central	**0**	**6**	**0**	**1**	**--**	**0**	**14**
Arkansas	0	3	--	0	--	0	17
Louisiana	0	28	0	2	--	0	--
Oklahoma	0	4	--	*	--	--	27
Texas	0	15	0	2	--	--	33
Mountain	**1**	**3**	**--**	**1**	**--**	**0**	**5**
Arizona	0	1	--	0	--	0	3
Colorado	2	46	--	3	--	--	24
Idaho	--	462	--	108	--	--	13
Montana	101	705	--	1,087	--	--	6
Nevada	0	3	--	0	--	--	3
New Mexico	0	6	--	8	--	--	82
Utah	3	10	--	2	--	--	46
Wyoming	1	5	--	155	--	--	31
Pacific Contiguous	**0**	**134**	**--**	**2**	**146**	**0**	**1**
California	--	3	--	2	146	0	4
Oregon	0	0	--	0	--	--	3
Washington	--	524	--	7	--	0	2
Pacific Noncontiguous	**0**	**1**	**--**	**10**	**--**	**--**	**26**
Alaska	0	3	--	10	--	--	26
Hawaii	--	2	--	--	--	--	290
U.S. Total	*****	**3**	**3**	**1**	**95**	**0**	**1**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**79**	**--**	**0**	**198**	**3**	**--**	**--**	**6**
Connecticut	--	--	--	--	--	--	--	160
Maine	--	--	--	--	--	--	--	101
Massachusetts	138	--	--	198	129	--	--	14
New Hampshire	--	--	0	--	0	--	--	3
Rhode Island	--	--	--	--	--	--	--	28
Vermont	0	--	0	--	0	--	--	28
Middle Atlantic	**--**	**--**	**--**	**152**	**152**	**--**	**--**	**3**
New Jersey	--	--	--	152	152	--	--	34
New York	--	--	--	--	--	--	--	3
Pennsylvania	--	--	--	--	--	--	--	9
East North Central	**4**	**--**	**6**	**189**	**3**	**--**	**0**	*****
Illinois	160	--	--	--	160	--	--	1
Indiana	--	--	12	--	12	--	--	*
Michigan	--	--	0	--	0	--	0	1
Ohio	103	--	--	189	97	--	--	1
Wisconsin	1	--	3	--	1	--	0	1
West North Central	**1**	**--**	**8**	**--**	**1**	**--**	**23**	**1**
Iowa	1	--	39	--	1	--	0	2
Kansas	0	--	0	--	0	--	--	1
Minnesota	7	--	9	--	6	--	27	2
Missouri	--	--	33	--	33	--	0	1
Nebraska	12	--	28	--	11	--	--	2
North Dakota	9	--	--	--	9	--	0	2
South Dakota	169	--	0	--	169	--	0	3
South Atlantic	**--**	**--**	**2**	**7**	**2**	**--**	**0**	*****
Delaware	--	--	--	--	--	--	--	580
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	7	0	3	--	--	*
Georgia	--	--	0	--	0	--	--	*
Maryland	--	--	--	--	--	--	--	47
North Carolina	--	--	0	97	97	--	--	*
South Carolina	--	--	5	--	5	--	--	*
Virginia	--	--	0	--	0	--	--	*
West Virginia	--	--	0	--	0	--	0	1
East South Central	**0**	**--**	**20**	**--**	**20**	**--**	**0**	*****
Alabama	--	--	645	--	645	--	--	1
Kentucky	--	--	20	--	20	--	0	1
Mississippi	--	--	--	--	--	--	--	1
Tennessee	0	--	0	--	0	--	--	1
West South Central	**2**	**--**	**--**	**--**	**2**	**--**	**39**	*****
Arkansas	--	--	--	--	--	--	--	1
Louisiana	--	--	--	--	--	--	--	1
Oklahoma	0	--	--	--	0	--	--	1
Texas	400	--	--	--	400	--	39	1
Mountain	**2**	**0**	**50**	**23**	**2**	**--**	**--**	**1**
Arizona	--	--	46	23	30	--	--	*
Colorado	35	--	1,422	--	36	--	--	2
Idaho	--	--	--	--	--	--	--	13
Montana	47	--	--	--	47	--	--	8
Nevada	--	--	0	--	0	--	--	*
New Mexico	--	--	--	--	--	--	--	1
Utah	--	0	--	--	0	--	--	2
Wyoming	1	--	--	--	1	--	--	1
Pacific Contiguous	**5**	**0**	**3**	**39**	**3**	**--**	**0**	**1**
California	22	0	5	39	6	--	0	2
Oregon	0	--	25	--	4	--	--	2
Washington	4	--	4	0	4	--	--	1
Pacific Noncontiguous	**168**	**--**	**0**	**--**	**168**	**--**	**0**	**4**
Alaska	168	--	--	--	168	--	0	8
Hawaii	0	--	0	--	0	--	0	2
U.S. Total	**1**	**0**	**2**	**12**	**1**	**--**	**24**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A2.B. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**4**	--	**2**	--	--	**8**
Connecticut	--	34	--	0	--	--	51
Maine	--	60	--	--	--	--	--
Massachusetts	--	9	--	3	--	--	20
New Hampshire	0	2	--	0	--	--	7
Rhode Island	--	17	--	--	--	--	--
Vermont	--	86	--	0	--	--	14
Middle Atlantic	**79**	**5**	--	**1**	--	--	*
New Jersey	79	194	--	--	--	--	0
New York	0	5	--	1	--	--	*
Pennsylvania	--	66	--	150	--	--	2
East North Central	*	**1**	**10**	**1**	**0**	**0**	**3**
Illinois	*	12	--	10	--	--	46
Indiana	*	3	--	2	--	--	6
Michigan	*	2	156	5	--	0	3
Ohio	*	1	--	4	0	--	9
Wisconsin	*	6	0	2	0	--	10
West North Central	*	**2**	**0**	**2**	**30**	**0**	**1**
Iowa	*	3	0	5	--	--	13
Kansas	0	2	0	5	--	0	--
Minnesota	1	11	0	4	40	0	16
Missouri	*	3	0	2	0	0	1
Nebraska	1	4	--	8	--	0	16
North Dakota	1	5	--	238	--	--	0
South Dakota	2	31	--	21	--	--	1
South Atlantic	*	**1**	**0**	*	--	**0**	**1**
Delaware	--	214	--	106	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	*	1	0	*	--	0	22
Georgia	*	28	--	*	--	0	2
Maryland	--	36	--	0	--	--	--
North Carolina	0	10	--	1	--	0	2
South Carolina	*	18	0	1	--	0	2
Virginia	0	3	--	0	--	0	1
West Virginia	*	1	--	0	--	--	15
East South Central	*	**2**	**0**	**1**	**0**	**0**	**1**
Alabama	*	3	--	1	--	0	2
Kentucky	*	4	0	1	0	--	2
Mississippi	*	6	--	*	--	0	--
Tennessee	0	*	--	0	--	0	2
West South Central	**0**	**2**	**0**	*	--	**0**	**2**
Arkansas	0	1	--	2	--	0	2
Louisiana	0	*	0	*	--	0	--
Oklahoma	0	2	--	*	--	--	3
Texas	0	8	0	*	--	--	7
Mountain	*	**1**	--	*	--	**0**	**1**
Arizona	0	*	--	*	--	0	1
Colorado	1	15	--	1	--	--	6
Idaho	--	275	--	21	--	--	3
Montana	25	297	--	87	--	--	1
Nevada	0	3	--	*	--	--	1
New Mexico	0	3	--	2	--	--	22
Utah	1	4	--	1	--	--	13
Wyoming	*	2	--	33	--	--	3
Pacific Contiguous	**0**	**19**	--	**1**	**9**	**0**	*
California	--	1	--	1	9	0	1
Oregon	0	0	--	*	--	--	1
Washington	--	124	--	1	--	0	*
Pacific Noncontiguous	**0**	*	--	**2**	--	--	**7**
Alaska	0	1	--	2	--	--	7
Hawaii	--	*	--	--	--	--	73
U.S. Total	*	**1**	**1**	*	**13**	**0**	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A2.B. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**21**	**--**	**0**	**198**	**1**	**--**	**--**	**1**
Connecticut	--	--	--	--	--	--	--	43
Maine	--	--	--	--	--	--	--	60
Massachusetts	43	--	--	198	43	--	--	6
New Hampshire	--	--	0	--	0	--	--	1
Rhode Island	--	--	--	--	--	--	--	17
Vermont	0	--	0	--	0	--	--	8
Middle Atlantic	**--**	**--**	**--**	**85**	**85**	**--**	**--**	**1**
New Jersey	--	--	--	85	85	--	--	7
New York	--	--	--	--	--	--	--	1
Pennsylvania	--	--	--	--	--	--	--	3
East North Central	**1**	**--**	**2**	**50**	**1**	**--**	**0**	*****
Illinois	48	--	--	--	48	--	--	1
Indiana	--	--	5	--	5	--	--	*
Michigan	--	--	456	--	456	--	0	*
Ohio	34	--	--	50	30	--	--	*
Wisconsin	1	--	1	--	1	--	0	*
West North Central	*****	**--**	**3**	**--**	*****	**--**	**8**	*****
Iowa	*	--	14	--	*	--	0	*
Kansas	0	--	0	--	0	--	--	*
Minnesota	3	--	3	--	2	--	9	1
Missouri	--	--	13	--	13	--	0	*
Nebraska	3	--	11	--	3	--	--	*
North Dakota	2	--	--	--	2	--	0	1
South Dakota	56	--	0	--	56	--	0	1
South Atlantic	**--**	**--**	**1**	**3**	**1**	**--**	**0**	*****
Delaware	--	--	--	--	--	--	--	103
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	2	0	1	--	--	*
Georgia	--	--	0	--	0	--	--	*
Maryland	--	--	--	--	--	--	--	36
North Carolina	--	--	0	32	27	--	--	*
South Carolina	--	--	2	--	2	--	--	*
Virginia	--	--	0	--	0	--	--	*
West Virginia	--	--	0	--	0	--	0	*
East South Central	**0**	**--**	**7**	**--**	**7**	**--**	**0**	*****
Alabama	--	--	145	--	145	--	--	*
Kentucky	--	--	7	--	7	--	0	*
Mississippi	--	--	--	--	--	--	--	*
Tennessee	0	--	847	--	847	--	--	*
West South Central	**1**	**--**	**--**	**--**	**1**	**--**	**19**	*****
Arkansas	--	--	--	--	--	--	--	*
Louisiana	--	--	--	--	--	--	--	*
Oklahoma	0	--	--	--	0	--	--	*
Texas	108	--	--	--	108	--	19	*
Mountain	**1**	**0**	**17**	**8**	**1**	**--**	**--**	*****
Arizona	--	--	18	8	10	--	--	*
Colorado	11	--	79	--	10	--	--	1
Idaho	--	--	--	--	--	--	--	3
Montana	16	--	--	--	16	--	--	2
Nevada	--	--	0	--	0	--	--	*
New Mexico	--	--	--	--	--	--	--	*
Utah	--	0	--	--	0	--	--	1
Wyoming	*	--	--	--	*	--	--	*
Pacific Contiguous	**1**	**0**	**1**	**11**	**1**	**--**	**0**	*****
California	5	0	2	11	2	--	0	1
Oregon	0	--	9	--	1	--	--	1
Washington	1	--	2	0	1	--	--	*
Pacific Noncontiguous	**46**	**--**	**0**	**--**	**46**	**--**	**0**	**1**
Alaska	46	--	--	--	46	--	0	2
Hawaii	0	--	0	--	0	--	0	1
U.S. Total	*****	**0**	**1**	**4**	*****	**--**	**9**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**19**	**13**	**--**	**1**	**0**	**0**	**10**
Connecticut	0	38	--	2	0	0	54
Maine	0	*	--	1	--	--	17
Massachusetts	24	103	--	2	--	0	15
New Hampshire	--	7,311	--	0	--	0	18
Rhode Island	--	4,182	--	1	--	--	548
Vermont	--	--	--	--	--	0	42
Middle Atlantic	**3**	**12**	**282**	**1**	**0**	**0**	**9**
New Jersey	0	2	--	2	--	0	199
New York	14	100	728	2	--	0	16
Pennsylvania	3	34	302	1	0	0	8
East North Central	**1**	**11**	**0**	**2**	**0**	**0**	**86**
Illinois	1	8	--	11	0	0	112
Indiana	0	62,043	0	8	--	--	--
Michigan	18	7,453	0	5	0	0	134
Ohio	*	0	0	2	0	0	--
Wisconsin	135	397	--	0	--	0	180
West North Central	**0**	**82**	**--**	**16**	**--**	**0**	**95**
Iowa	--	103	--	0	--	0	550
Kansas	--	--	--	--	--	--	363
Minnesota	0	378	--	9	--	--	100
Missouri	--	--	--	145	--	--	--
Nebraska	--	--	--	2,695	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	143	--	--	--	--	--
South Atlantic	**2**	**17**	**--**	**3**	**0**	**0**	**5**
Delaware	4	25	--	8	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	9	133	--	10	0	--	--
Georgia	--	12	--	0	--	--	459
Maryland	2	19	--	23	0	0	1
North Carolina	26	218	--	0	--	--	206
South Carolina	73	0	--	39	--	--	155
Virginia	16	4	--	1	--	--	147
West Virginia	1	0	--	0	--	--	8
East South Central	**0**	**108**	**--**	**0**	**--**	**--**	**426**
Alabama	0	108	--	0	--	--	--
Kentucky	--	--	--	0	--	--	426
Mississippi	0	--	--	0	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	**0**	**0**	**0**	**1**	**1**	**0**	**21**
Arkansas	0	0	--	0	--	--	172
Louisiana	0	0	--	0	0	--	0
Oklahoma	0	--	--	9	--	--	--
Texas	0	0	0	1	1	0	193
Mountain	**5**	**26**	**0**	**2**	**0**	**--**	**15**
Arizona	--	--	--	1	--	--	--
Colorado	81	982	--	3	0	--	100
Idaho	--	--	--	7	--	--	62
Montana	4	33	0	235	0	--	15
Nevada	0	0	--	6	0	--	237
New Mexico	--	0	--	5	--	--	--
Utah	86	0	--	41	--	--	473
Wyoming	69	--	--	725	--	--	--
Pacific Contiguous	**1**	**18**	**116**	**1**	**0**	**--**	**27**
California	11	25	116	1	0	--	30
Oregon	--	--	--	*	--	--	69
Washington	0	0	--	0	0	--	102
Pacific Noncontiguous	**7**	**34**	**--**	**--**	**--**	**--**	**105**
Alaska	36	--	--	--	--	--	--
Hawaii	6	34	--	--	--	--	105
U.S. Total	**1**	**17**	**44**	*****	**1**	**0**	**6**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**6**	--	**4**	--	**3**	--	**6**	**1**
Connecticut	--	--	4	--	4	--	7	1
Maine	2	--	3	--	2	--	21	4
Massachusetts	297	--	5	--	5	--	7	4
New Hampshire	48	--	15	--	14	--	49	1
Rhode Island	--	--	16	--	16	--	--	2
Vermont	--	--	32	--	32	--	--	5
Middle Atlantic	**4**	--	**3**	**46**	**2**	--	**5**	**1**
New Jersey	83	--	8	53	8	--	12	1
New York	5	--	4	--	4	--	8	2
Pennsylvania	5	--	4	88	3	--	6	1
East North Central	**1**	--	**5**	**44**	**1**	--	**20**	*
Illinois	2	--	7	66	2	--	44	1
Indiana	0	--	--	--	0	--	--	1
Michigan	11	--	7	--	6	--	19	2
Ohio	--	--	14	57	14	--	0	*
Wisconsin	5	--	10	--	5	--	--	1
West North Central	**1**	--	**7**	--	**1**	--	**36**	**1**
Iowa	1	--	20	--	1	--	--	2
Kansas	1	--	0	--	1	--	--	2
Minnesota	3	--	7	--	3	--	36	3
Missouri	1	--	0	--	1	--	--	5
Nebraska	0	--	218	--	4	--	--	4
North Dakota	3	--	--	--	3	--	--	3
South Dakota	5	--	--	--	5	--	--	5
South Atlantic	**1**	--	**2**	**45**	**2**	--	**4**	**1**
Delaware	257	--	13	--	19	--	--	5
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	3	51	3	--	6	5
Georgia	--	--	38	--	38	--	0	*
Maryland	--	--	3	--	3	--	0	1
North Carolina	--	--	5	85	5	--	87	13
South Carolina	--	--	40	--	40	--	--	33
Virginia	--	--	5	--	5	--	0	4
West Virginia	0	--	--	--	0	--	--	1
East South Central	**0**	--	**3**	--	**3**	--	**0**	*
Alabama	--	--	0	--	0	--	--	0
Kentucky	--	--	--	--	--	--	--	426
Mississippi	--	--	0	--	0	--	0	0
Tennessee	0	--	36	--	13	--	--	13
West South Central	**1**	--	**10**	**53**	**1**	--	**0**	*
Arkansas	--	--	45	--	45	--	--	1
Louisiana	--	--	23	--	23	--	--	*
Oklahoma	3	--	0	--	3	--	--	3
Texas	1	--	10	53	1	--	0	*
Mountain	**2**	**5**	**14**	**5**	**2**	--	**2**	**2**
Arizona	0	--	0	162	1	--	0	1
Colorado	4	--	51	39	4	--	0	3
Idaho	13	19	0	--	11	--	--	11
Montana	2	--	--	--	2	--	0	4
Nevada	--	5	--	4	5	--	--	4
New Mexico	1	--	77	0	1	--	--	3
Utah	15	--	46	--	14	--	180	31
Wyoming	4	--	--	--	4	--	--	14
Pacific Contiguous	**4**	**2**	**4**	**4**	**2**	--	**15**	**1**
California	7	2	4	4	2	--	15	2
Oregon	5	--	19	--	5	--	58	2
Washington	0	--	6	--	1	--	44	1
Pacific Noncontiguous	**34**	**0**	**48**	**154**	**16**	--	**0**	**15**
Alaska	--	--	--	--	--	--	--	36
Hawaii	34	0	48	154	16	--	0	15
U.S. Total	**1**	**2**	**2**	**4**	**1**	--	**3**	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**2**	**--**	*****	**0**	**0**	**3**
Connecticut	0	2	--	1	0	0	15
Maine	0	1	--	*	--	--	5
Massachusetts	2	7	--	*	--	0	4
New Hampshire	--	615	--	0	--	0	6
Rhode Island	--	840	--	*	--	--	139
Vermont	--	--	--	--	--	0	11
Middle Atlantic	*****	**2**	**13**	*****	**0**	**0**	**3**
New Jersey	1	3	--	1	--	0	51
New York	1	5	7	1	--	0	5
Pennsylvania	*	3	87	1	0	0	2
East North Central	*****	**3**	**0**	**1**	**0**	**0**	**20**
Illinois	*	4	--	1	0	0	19
Indiana	*	19,240	0	3	--	--	--
Michigan	9	1,793	0	1	0	0	34
Ohio	*	0	0	1	0	0	--
Wisconsin	51	14	--	0	--	0	49
West North Central	**0**	**17**	**--**	**2**	**--**	**0**	**26**
Iowa	--	24	--	841	--	0	140
Kansas	--	--	--	--	--	--	93
Minnesota	0	12	--	2	--	--	28
Missouri	--	--	--	4	--	--	--
Nebraska	--	--	--	1,461	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	85	--	--	--	--	--
South Atlantic	*****	**2**	**--**	**1**	**0**	**0**	**2**
Delaware	*	8	--	2	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	2	5	--	1	0	--	--
Georgia	--	30	--	*	--	--	130
Maryland	*	4	--	3	0	0	1
North Carolina	6	110	--	*	--	--	52
South Carolina	16	0	--	3	--	--	39
Virginia	2	3	--	1	--	--	37
West Virginia	*	0	--	0	--	--	3
East South Central	**0**	**3**	**--**	*****	**--**	**--**	**110**
Alabama	0	3	--	*	--	--	--
Kentucky	--	--	--	0	--	--	110
Mississippi	0	--	--	0	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	**0**	**0**	**0**	*****	*****	**0**	**2**
Arkansas	0	0	--	0	--	--	44
Louisiana	0	0	--	*	0	--	0
Oklahoma	0	--	--	1	--	--	--
Texas	0	0	0	*	*	0	50
Mountain	**1**	**6**	**0**	**1**	**0**	**--**	**4**
Arizona	--	--	--	*	--	--	--
Colorado	18	197	--	2	0	--	28
Idaho	--	--	--	2	--	--	10
Montana	1	8	0	42	0	--	4
Nevada	0	0	--	1	0	--	63
New Mexico	--	0	--	2	--	--	--
Utah	36	0	--	14	--	--	128
Wyoming	17	--	--	119	--	--	--
Pacific Contiguous	**1**	**4**	**44**	*****	**0**	**--**	**8**
California	3	10	44	1	0	--	9
Oregon	--	--	--	*	--	--	18
Washington	0	0	--	0	0	--	28
Pacific Noncontiguous	**2**	**6**	**--**	**--**	**--**	**--**	**53**
Alaska	9	--	--	--	--	--	--
Hawaii	1	6	--	--	--	--	53
U.S. Total	*****	**2**	**10**	*****	*****	**0**	**2**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**2**	--	**1**	--	**1**	--	**2**	*
Connecticut	--	--	2	--	2	--	2	*
Maine	1	--	1	--	1	--	5	1
Massachusetts	89	--	2	--	2	--	2	1
New Hampshire	16	--	5	--	5	--	15	*
Rhode Island	--	--	6	--	6	--	--	*
Vermont	--	--	10	--	10	--	--	2
Middle Atlantic	**1**	--	**1**	**11**	**1**	--	**2**	*
New Jersey	28	--	2	13	2	--	4	*
New York	1	--	1	--	1	--	3	*
Pennsylvania	2	--	1	22	1	--	2	*
East North Central	*	--	**2**	**12**	**1**	--	**5**	*
Illinois	1	--	3	17	1	--	18	*
Indiana	0	--	--	--	0	--	--	*
Michigan	4	--	2	--	2	--	7	1
Ohio	--	--	5	16	5	--	0	*
Wisconsin	2	--	4	--	2	--	--	*
West North Central	*	--	**3**	--	*	--	**12**	*
Iowa	1	--	8	--	1	--	--	*
Kansas	*	--	0	--	*	--	--	1
Minnesota	1	--	3	--	1	--	12	1
Missouri	*	--	0	--	*	--	--	2
Nebraska	0	--	39	--	1	--	--	1
North Dakota	1	--	--	--	1	--	--	1
South Dakota	2	--	--	--	2	--	--	2
South Atlantic	*	--	**1**	**12**	**1**	--	**1**	*
Delaware	122	--	3	--	4	--	--	1
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	1	14	1	--	2	1
Georgia	--	--	15	--	15	--	0	*
Maryland	--	--	1	--	1	--	0	*
North Carolina	--	--	1	20	1	--	12	3
South Carolina	--	--	15	--	15	--	--	4
Virginia	--	--	2	--	2	--	0	1
West Virginia	0	--	--	--	0	--	--	*
East South Central	**0**	--	**1**	--	**1**	--	**0**	*
Alabama	--	--	0	--	0	--	--	*
Kentucky	--	--	--	--	--	--	--	5
Mississippi	--	--	0	--	0	--	0	0
Tennessee	0	--	14	--	6	--	--	6
West South Central	*	--	**3**	**53**	*	--	**0**	*
Arkansas	--	--	10	--	10	--	--	*
Louisiana	--	--	9	--	9	--	--	*
Oklahoma	1	--	0	--	1	--	--	*
Texas	*	--	4	53	*	--	0	*
Mountain	**1**	**2**	**3**	**2**	**1**	--	**1**	**1**
Arizona	0	--	0	42	1	--	0	*
Colorado	1	--	11	9	1	--	0	1
Idaho	6	12	0	--	5	--	--	3
Montana	1	--	--	--	1	--	0	1
Nevada	--	2	--	1	2	--	--	1
New Mexico	*	--	15	0	*	--	--	1
Utah	3	--	13	--	3	--	64	12
Wyoming	2	--	--	--	2	--	--	6
Pacific Contiguous	**1**	**1**	**1**	**1**	**1**	--	**4**	*
California	1	1	1	1	1	--	5	1
Oregon	1	--	5	--	1	--	5	*
Washington	0	--	2	--	*	--	14	*
Pacific Noncontiguous	**7**	**0**	**9**	**31**	**3**	--	**0**	**3**
Alaska	--	--	--	--	--	--	--	9
Hawaii	7	0	9	31	3	--	0	3
U.S. Total	*	**1**	**1**	**1**	*	--	**1**	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**68**	**--**	**23**	**--**	**--**	**484**
Connecticut	--	0	--	147	--	--	--
Maine	--	525	--	1,780	--	--	--
Massachusetts	0	88	--	18	--	--	484
New Hampshire	--	107	--	--	--	--	--
Rhode Island	--	411	--	134	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**0**	**176**	**--**	**27**	**--**	**--**	**532**
New Jersey	--	354	--	107	--	--	--
New York	0	28	--	20	--	--	532
Pennsylvania	0	1,501	--	136	--	--	--
East North Central	**19**	**210**	**--**	**17**	**--**	**--**	**225**
Illinois	0	117	--	21	--	--	--
Indiana	24	258	--	162	--	--	--
Michigan	0	224	--	0	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	105	0	--	84	--	--	225
West North Central	**24**	**118**	**0**	**82**	**--**	**--**	**--**
Iowa	41	222	0	310	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	143	--	100	--	--	--
Missouri	0	42	--	0	--	--	--
Nebraska	--	--	--	1,535	--	--	--
North Dakota	--	350	--	--	--	--	--
South Dakota	--	419	--	--	--	--	--
South Atlantic	**52**	**73**	**--**	**160**	**--**	**--**	**199**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	0	--	247	--	--	--
Georgia	--	52	--	0	--	--	--
Maryland	0	2,180	--	862	--	--	--
North Carolina	0	487	--	0	--	--	209
South Carolina	--	467	--	635	--	--	641
Virginia	205	0	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	**114**	**--**	**--**	**98**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	275	--	--	--
Tennessee	114	--	--	103	--	--	--
West South Central	**--**	**189**	**--**	**34**	**--**	**--**	**--**
Arkansas	--	--	--	1,859	--	--	--
Louisiana	--	--	--	202	--	--	--
Oklahoma	--	3,942	--	227	--	--	--
Texas	--	143	--	29	--	--	--
Mountain	**--**	**293**	**--**	**65**	**--**	**--**	**--**
Arizona	--	293	--	94	--	--	--
Colorado	--	0	--	0	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	0	--	--	--
New Mexico	--	--	--	91	--	--	--
Utah	--	0	--	0	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	**--**	**375**	**--**	**15**	**0**	**--**	**64**
California	--	125	--	15	0	--	384
Oregon	--	--	--	--	--	--	--
Washington	--	880	--	251	--	--	0
Pacific Noncontiguous	**14**	**95**	**--**	**0**	**--**	**--**	**--**
Alaska	14	113	--	0	--	--	--
Hawaii	--	0	--	--	--	--	--
U.S. Total	**12**	**45**	**0**	**10**	**0**	**--**	**63**

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**0**	--	**42**	**848**	**42**	--	**40**	**18**
Connecticut	--	--	--	--	--	--	--	147
Maine	--	--	41	--	41	--	40	29
Massachusetts	0	--	0	848	848	--	--	18
New Hampshire	--	--	--	--	--	--	--	107
Rhode Island	--	--	--	--	--	--	--	131
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	**--**	**--**	**12**	**--**	**12**	**--**	**11**	**13**
New Jersey	--	--	5	--	5	--	0	24
New York	--	--	40	--	40	--	38	16
Pennsylvania	--	--	0	--	0	--	0	31
East North Central	**--**	**--**	**51**	**--**	**51**	**--**	**79**	**13**
Illinois	--	--	628	--	628	--	--	18
Indiana	--	--	98	--	98	--	94	35
Michigan	--	--	117	--	117	--	146	5
Ohio	--	--	--	--	--	--	--	--
Wisconsin	--	--	70	--	70	--	--	56
West North Central	**--**	**--**	**68**	**--**	**68**	**--**	**62**	**24**
Iowa	--	--	91	--	91	--	--	36
Kansas	--	--	--	--	--	--	--	--
Minnesota	--	--	185	--	185	--	81	73
Missouri	--	--	--	--	--	--	0	*
Nebraska	--	--	122	--	122	--	--	127
North Dakota	--	--	--	--	--	--	--	350
South Dakota	--	--	--	--	--	--	--	419
South Atlantic	**--**	**--**	**15**	**--**	**15**	**--**	**13**	**13**
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	71	--	71	--	--	106
Georgia	--	--	96	--	96	--	--	85
Maryland	--	--	61	--	61	--	1,368	76
North Carolina	--	--	--	--	--	--	--	17
South Carolina	--	--	--	--	--	--	--	453
Virginia	--	--	13	--	13	--	13	12
West Virginia	--	--	--	--	--	--	--	--
East South Central	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**85**
Alabama	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	275
Tennessee	--	--	--	--	--	--	--	86
West South Central	**--**	**--**	**77**	**--**	**77**	**--**	**--**	**32**
Arkansas	--	--	374	--	374	--	--	484
Louisiana	--	--	--	--	--	--	--	202
Oklahoma	--	--	--	--	--	--	--	226
Texas	--	--	79	--	79	--	--	27
Mountain	**--**	**--**	**240**	**--**	**240**	**--**	**--**	**64**
Arizona	--	--	240	--	240	--	--	89
Colorado	--	--	--	--	--	--	--	0
Idaho	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	0
New Mexico	--	--	--	--	--	--	--	91
Utah	--	--	--	--	--	--	--	0
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	**--**	**--**	**22**	**198**	**22**	**--**	**0**	**12**
California	--	--	22	198	22	--	0	13
Oregon	--	--	101	--	101	--	--	101
Washington	--	--	--	--	--	--	--	46
Pacific Noncontiguous	**--**	**--**	**0**	**--**	**0**	**--**	**0**	**7**
Alaska	--	--	--	--	--	--	--	14
Hawaii	--	--	0	--	0	--	0	0
U.S. Total	**0**	**--**	**10**	**194**	**10**	**--**	**8**	**6**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**23**	**--**	**9**	**--**	**--**	**123**
Connecticut	--	0	--	60	--	--	--
Maine	--	163	--	675	--	--	--
Massachusetts	0	27	--	7	--	--	123
New Hampshire	--	43	--	--	--	--	--
Rhode Island	--	127	--	55	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**26**	**13**	**--**	**10**	**--**	**--**	**136**
New Jersey	--	200	--	44	--	--	--
New York	0	6	--	7	--	--	136
Pennsylvania	155	99	--	54	--	--	--
East North Central	**2**	**23**	**--**	**8**	**--**	**--**	**277**
Illinois	0	87	--	8	--	--	--
Indiana	6	295	--	68	--	--	--
Michigan	0	6	--	9	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	26	0	--	24	--	--	277
West North Central	**6**	**36**	**0**	**24**	**--**	**--**	**--**
Iowa	10	111	0	103	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	39	--	29	--	--	--
Missouri	0	101	--	0	--	--	--
Nebraska	--	--	--	849	--	--	--
North Dakota	--	209	--	--	--	--	--
South Dakota	--	249	--	--	--	--	--
South Atlantic	**13**	**53**	**--**	**45**	**--**	**--**	**51**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	0	--	47	--	--	--
Georgia	--	31	--	0	--	--	--
Maryland	0	884	--	335	--	--	--
North Carolina	0	290	--	0	--	--	52
South Carolina	--	278	--	176	--	--	195
Virginia	45	0	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	**27**	**--**	**--**	**35**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	55	--	--	--
Tennessee	27	--	--	42	--	--	--
West South Central	**--**	**158**	**--**	**6**	**--**	**--**	**--**
Arkansas	--	--	--	335	--	--	--
Louisiana	--	--	--	41	--	--	--
Oklahoma	--	2,521	--	44	--	--	--
Texas	--	119	--	5	--	--	--
Mountain	**--**	**170**	**--**	**20**	**--**	**--**	**--**
Arizona	--	175	--	30	--	--	--
Colorado	--	0	--	0	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	0	--	--	--
New Mexico	--	--	--	30	--	--	--
Utah	--	0	--	116	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	**--**	**113**	**--**	**5**	**0**	**--**	**20**
California	--	82	--	5	0	--	94
Oregon	--	--	--	--	--	--	--
Washington	--	233	--	69	--	--	0
Pacific Noncontiguous	**4**	**22**	**--**	**0**	**--**	**--**	**--**
Alaska	4	26	--	0	--	--	--
Hawaii	--	0	--	--	--	--	--
U.S. Total	**3**	**14**	**0**	**3**	**0**	**--**	**19**

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**178**	**--**	**8**	**157**	**8**	**--**	**15**	**7**
Connecticut	--	--	--	--	--	--	--	60
Maine	--	--	8	--	8	--	15	8
Massachusetts	178	--	42	157	47	--	--	7
New Hampshire	--	--	--	--	--	--	--	43
Rhode Island	--	--	--	--	--	--	--	52
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	**--**	**--**	**2**	**--**	**2**	**--**	**4**	**4**
New Jersey	--	--	1	--	1	--	0	9
New York	--	--	8	--	8	--	13	5
Pennsylvania	--	--	0	--	0	--	0	12
East North Central	**--**	**--**	**4**	**--**	**4**	**--**	**6**	**4**
Illinois	--	--	113	--	113	--	--	7
Indiana	--	--	18	--	18	--	32	11
Michigan	--	--	3	--	3	--	5	2
Ohio	--	--	--	--	--	--	--	--
Wisconsin	--	--	13	--	13	--	--	16
West North Central	**--**	**--**	**12**	**--**	**12**	**--**	**18**	**6**
Iowa	--	--	17	--	17	--	--	9
Kansas	--	--	--	--	--	--	--	--
Minnesota	--	--	30	--	30	--	22	20
Missouri	--	--	--	--	--	--	0	*
Nebraska	--	--	23	--	23	--	--	27
North Dakota	--	--	--	--	--	--	--	209
South Dakota	--	--	--	--	--	--	--	249
South Atlantic	**--**	**--**	**4**	**--**	**4**	**--**	**6**	**4**
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	13	--	13	--	--	22
Georgia	--	--	18	--	18	--	--	16
Maryland	--	--	13	--	13	--	91	20
North Carolina	--	--	--	--	--	--	--	6
South Carolina	--	--	--	--	--	--	--	129
Virginia	--	--	4	--	4	--	6	5
West Virginia	--	--	--	--	--	--	--	--
East South Central	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**29**
Alabama	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	55
Tennessee	--	--	--	--	--	--	--	33
West South Central	**--**	**--**	**14**	**--**	**14**	**--**	**--**	**6**
Arkansas	--	--	57	--	57	--	--	82
Louisiana	--	--	--	--	--	--	--	41
Oklahoma	--	--	--	--	--	--	--	45
Texas	--	--	14	--	14	--	--	5
Mountain	**--**	**--**	**44**	**--**	**44**	**--**	**--**	**20**
Arizona	--	--	44	--	44	--	--	29
Colorado	--	--	--	--	--	--	--	0
Idaho	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	0
New Mexico	--	--	--	--	--	--	--	30
Utah	--	--	--	--	--	--	--	116
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	**--**	**--**	**4**	**70**	**4**	**--**	**0**	**4**
California	--	--	4	70	4	--	0	4
Oregon	--	--	19	--	19	--	--	19
Washington	--	--	--	--	--	--	--	14
Pacific Noncontiguous	**--**	**--**	**0**	**--**	**0**	**--**	**0**	**2**
Alaska	--	--	--	--	--	--	--	4
Hawaii	--	--	0	--	0	--	0	0
U.S. Total	**178**	**--**	**2**	**67**	**2**	**--**	**3**	**2**

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**59**	**15**	**--**	**14**	**--**	**--**	**16**
Connecticut	--	408	--	60	--	--	--
Maine	0	11	--	12	--	--	15
Massachusetts	115	338	--	75	--	--	423
New Hampshire	--	522	--	197	--	--	420
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	259
Middle Atlantic	**9**	**63**	**461**	**27**	**16**	**--**	**147**
New Jersey	--	2,141	--	44	37	--	--
New York	0	55	--	47	--	--	147
Pennsylvania	12	265	461	44	12	--	--
East North Central	**5**	**47**	**117**	**26**	**9**	**--**	**108**
Illinois	6	2,207	0	53	71	--	--
Indiana	79	3	--	28	8	--	--
Michigan	28	0	846	117	--	--	300
Ohio	13	362	494	171	0	--	--
Wisconsin	9	387	0	93	--	--	116
West North Central	**9**	**157**	**--**	**64**	**68**	**--**	**106**
Iowa	8	252	--	85	--	--	--
Kansas	--	--	--	0	--	--	--
Minnesota	21	243	--	108	--	--	106
Missouri	58	1,442	--	969	--	--	--
Nebraska	86	--	--	--	--	--	--
North Dakota	50	191	--	200	68	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	**12**	**21**	**0**	**22**	**0**	**--**	**18**
Delaware	0	4,385	--	1,343	0	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	56	93	--	25	0	--	--
Georgia	13	17	0	49	--	--	327
Maryland	0	0	--	120	--	--	--
North Carolina	66	111	--	60	--	--	545
South Carolina	31	0	--	0	0	--	--
Virginia	29	32	--	113	--	--	382
West Virginia	3	--	--	346	0	--	0
East South Central	**9**	**109**	**--**	**20**	**11**	**--**	**--**
Alabama	45	113	--	22	10	--	--
Kentucky	--	--	--	62	--	--	--
Mississippi	0	0	--	62	87	--	--
Tennessee	4	584	--	87	0	--	--
West South Central	**10**	**47**	**184**	**3**	**3**	**--**	**--**
Arkansas	0	227	0	44	--	--	--
Louisiana	0	0	286	3	4	--	--
Oklahoma	50	949	0	102	--	--	--
Texas	0	52	0	4	5	--	--
Mountain	**35**	**292**	**0**	**20**	**10**	**--**	**--**
Arizona	65	319	0	1,243	--	--	--
Colorado	--	2,648	--	289	--	--	--
Idaho	61	--	--	46	--	--	--
Montana	--	456	--	270	384	--	--
Nevada	--	--	--	107	--	--	--
New Mexico	--	946	--	0	--	--	--
Utah	0	--	--	58	82	--	--
Wyoming	37	1,585	--	12	7	--	--
Pacific Contiguous	**0**	**75**	**0**	**6**	**4**	**--**	**1,067**
California	0	88	0	7	4	--	--
Oregon	--	191	--	51	--	--	--
Washington	0	87	--	0	--	--	1,067
Pacific Noncontiguous	**--**	**18**	**--**	**113**	**88**	**--**	**249**
Alaska	--	15	--	113	--	--	--
Hawaii	--	25	--	--	88	--	249
U.S. Total	**4**	**14**	**67**	**2**	**4**	**--**	**20**

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	--	--	**2**	--	**2**	--	**15**	**7**
Connecticut	--	--	--	--	--	--	107	58
Maine	--	--	2	--	2	--	0	6
Massachusetts	--	--	--	--	--	--	--	67
New Hampshire	--	--	297	--	297	--	--	170
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	259
Middle Atlantic	--	--	**7**	--	**7**	--	**0**	**12**
New Jersey	--	--	--	--	--	--	0	33
New York	--	--	0	--	0	--	--	16
Pennsylvania	--	--	10	--	10	--	--	16
East North Central	--	--	**5**	--	**5**	--	**5**	**6**
Illinois	--	--	0	--	0	--	0	9
Indiana	--	--	96	--	96	--	0	8
Michigan	--	--	7	--	7	--	0	19
Ohio	--	--	9	--	9	--	0	50
Wisconsin	--	--	9	--	9	--	69	10
West North Central	--	--	**7**	--	**7**	--	**55**	**8**
Iowa	--	--	0	--	0	--	--	9
Kansas	--	--	--	--	--	--	--	0
Minnesota	--	--	7	--	7	--	55	15
Missouri	--	--	158	--	158	--	--	55
Nebraska	--	--	--	--	--	--	--	86
North Dakota	--	--	154	--	154	--	--	40
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	--	--	**2**	--	**2**	--	**3**	**3**
Delaware	--	--	--	--	--	--	0	1,298
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	6	--	6	--	3	7
Georgia	--	--	3	--	3	--	38	6
Maryland	--	--	0	--	0	--	--	18
North Carolina	--	--	4	--	4	--	0	9
South Carolina	--	--	0	--	0	--	0	5
Virginia	--	--	4	--	4	--	0	12
West Virginia	--	--	--	--	--	--	0	6
East South Central	--	--	**2**	--	**2**	--	**104**	**4**
Alabama	--	--	3	--	3	--	0	7
Kentucky	--	--	4	--	4	--	--	30
Mississippi	--	--	2	--	2	--	120	9
Tennessee	--	--	8	--	8	--	0	4
West South Central	--	--	**3**	--	**3**	--	**14**	**2**
Arkansas	--	--	3	--	3	--	0	5
Louisiana	--	--	5	--	5	--	10	3
Oklahoma	--	--	27	--	27	--	0	34
Texas	--	--	8	--	8	--	23	3
Mountain	--	--	**6**	**198**	**6**	--	**11**	**11**
Arizona	--	--	--	--	--	--	--	65
Colorado	--	--	--	--	--	--	64	70
Idaho	--	--	0	--	0	--	0	10
Montana	--	--	30	--	30	--	--	40
Nevada	--	--	--	198	198	--	--	105
New Mexico	--	--	--	--	--	--	--	946
Utah	--	--	--	--	--	--	0	25
Wyoming	--	--	--	--	--	--	0	10
Pacific Contiguous	--	--	**5**	--	**5**	--	**13**	**5**
California	--	--	12	--	12	--	13	5
Oregon	--	--	9	--	9	--	0	15
Washington	--	--	5	--	5	--	--	5
Pacific Noncontiguous	--	--	**115**	--	**115**	--	--	**43**
Alaska	--	--	188	--	188	--	--	66
Hawaii	--	--	146	--	146	--	--	56
U.S. Total	--	--	**2**	**198**	**2**	--	**6**	**2**

Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**10**	**10**	**--**	**5**	**--**	**--**	**5**
Connecticut	--	108	--	25	--	--	--
Maine	0	8	--	5	--	--	5
Massachusetts	28	99	--	31	--	--	108
New Hampshire	--	303	--	81	--	--	107
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	67
Middle Atlantic	**2**	**12**	**101**	**11**	**4**	**--**	**38**
New Jersey	--	284	--	18	11	--	--
New York	0	10	--	20	--	--	38
Pennsylvania	3	99	101	17	3	--	--
East North Central	**1**	**18**	**34**	**11**	**3**	**--**	**30**
Illinois	2	1,520	0	24	20	--	--
Indiana	20	2	--	13	2	--	--
Michigan	7	0	100	26	--	--	78
Ohio	5	77	347	64	46	--	--
Wisconsin	2	49	0	26	--	--	32
West North Central	**2**	**51**	**--**	**21**	**21**	**--**	**29**
Iowa	2	150	--	26	--	--	--
Kansas	--	--	--	0	--	--	--
Minnesota	5	67	--	38	--	--	29
Missouri	14	447	--	364	--	--	--
Nebraska	22	--	--	--	--	--	--
North Dakota	13	49	--	61	21	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	**3**	**12**	**0**	**4**	**0**	**--**	**2**
Delaware	49	1,359	--	535	0	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	13	28	--	4	0	--	--
Georgia	3	18	0	10	--	--	81
Maryland	0	0	--	48	--	--	--
North Carolina	14	39	--	25	--	--	153
South Carolina	9	0	--	0	0	--	--
Virginia	7	18	--	19	--	--	98
West Virginia	1	--	--	144	0	--	0
East South Central	**2**	**25**	**--**	**6**	**3**	**--**	**--**
Alabama	10	27	--	6	3	--	--
Kentucky	--	--	--	26	--	--	--
Mississippi	0	0	--	12	26	--	--
Tennessee	1	75	--	37	0	--	--
West South Central	**2**	**26**	**42**	**1**	**1**	**--**	**--**
Arkansas	0	133	0	8	--	--	--
Louisiana	0	0	55	1	1	--	--
Oklahoma	11	189	0	19	--	--	--
Texas	0	30	39	1	2	--	--
Mountain	**3**	**76**	**0**	**7**	**3**	**--**	**--**
Arizona	14	83	0	649	--	--	--
Colorado	--	1,578	--	62	--	--	--
Idaho	15	--	--	16	--	--	--
Montana	--	117	--	91	117	--	--
Nevada	--	--	--	17	--	--	--
New Mexico	--	563	--	45	--	--	--
Utah	0	--	--	19	26	--	--
Wyoming	9	409	--	4	2	--	--
Pacific Contiguous	**0**	**16**	**0**	**2**	**1**	**--**	**282**
California	0	43	0	2	1	--	--
Oregon	--	48	--	18	--	--	--
Washington	0	18	--	0	--	--	282
Pacific Noncontiguous	**--**	**9**	**--**	**33**	**27**	**--**	**63**
Alaska	--	9	--	33	--	--	--
Hawaii	--	13	--	--	27	--	63
U.S. Total	**1**	**6**	**19**	**1**	**1**	**--**	**5**

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through November 2010 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomas	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	--	--	**1**	--	**1**	--	**6**	**3**
Connecticut	--	--	--	--	--	--	34	23
Maine	--	--	1	--	1	--	0	2
Massachusetts	--	--	--	--	--	--	--	26
New Hampshire	--	--	75	--	75	--	--	62
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	67
Middle Atlantic	--	--	**2**	--	**2**	--	**0**	**4**
New Jersey	--	--	--	--	--	--	0	13
New York	--	--	0	--	0	--	--	5
Pennsylvania	--	--	3	--	3	--	--	5
East North Central	--	--	**1**	--	**1**	--	**2**	**2**
Illinois	--	--	0	--	0	--	0	3
Indiana	--	--	18	--	18	--	0	3
Michigan	--	--	2	--	2	--	0	9
Ohio	--	--	3	--	3	--	0	10
Wisconsin	--	--	3	--	3	--	13	3
West North Central	--	--	**2**	--	**2**	--	**17**	**2**
Iowa	--	--	0	--	0	--	--	3
Kansas	--	--	--	--	--	--	--	0
Minnesota	--	--	2	--	2	--	17	4
Missouri	--	--	34	--	34	--	--	14
Nebraska	--	--	--	--	--	--	--	22
North Dakota	--	--	24	--	24	--	--	11
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	--	--	**1**	--	**1**	--	**1**	**1**
Delaware	--	--	--	--	--	--	0	65
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	2	--	2	--	1	2
Georgia	--	--	1	--	1	--	12	1
Maryland	--	--	0	--	0	--	--	6
North Carolina	--	--	2	--	2	--	0	3
South Carolina	--	--	0	--	0	--	0	1
Virginia	--	--	1	--	1	--	0	3
West Virginia	--	--	--	--	--	--	0	1
East South Central	--	--	**1**	--	**1**	--	**24**	**1**
Alabama	--	--	1	--	1	--	0	2
Kentucky	--	--	1	--	1	--	--	10
Mississippi	--	--	1	--	1	--	36	2
Tennessee	--	--	3	--	3	--	0	1
West South Central	--	--	**1**	--	**1**	--	**4**	**1**
Arkansas	--	--	1	--	1	--	0	1
Louisiana	--	--	2	--	2	--	2	1
Oklahoma	--	--	6	--	6	--	0	7
Texas	--	--	2	--	2	--	6	1
Mountain	--	--	**2**	**51**	**2**	--	**4**	**3**
Arizona	--	--	--	--	--	--	--	14
Colorado	--	--	--	--	--	--	22	26
Idaho	--	--	0	--	0	--	0	3
Montana	--	--	10	--	10	--	--	12
Nevada	--	--	--	51	51	--	--	16
New Mexico	--	--	--	--	--	--	--	45
Utah	--	--	--	--	--	--	0	2
Wyoming	--	--	--	--	--	--	0	3
Pacific Contiguous	--	--	**2**	--	**2**	--	**4**	**2**
California	--	--	4	--	4	--	4	2
Oregon	--	--	3	--	3	--	0	4
Washington	--	--	2	--	2	--	--	2
Pacific Noncontiguous	--	--	**20**	--	**20**	--	--	**12**
Alaska	--	--	32	--	32	--	--	18
Hawaii	--	--	26	--	26	--	--	16
U.S. Total	--	--	*	**51**	*	--	**2**	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Table A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2010
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	**1**	**1**	**0**	**1**
Connecticut	*	1	4	0	1
Maine	1	1	1	0	1
Massachusetts	1	1	2	0	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	3	3	5	0	3
Middle Atlantic	*****	*****	**1**	**0**	*****
New Jersey	*	*	1	0	*
New York	*	*	2	0	*
Pennsylvania	*	*	0	0	*
East North Central	*****	**1**	**1**	**0**	*****
Illinois	1	1	1	0	1
Indiana	1	2	1	0	1
Michigan	1	1	1	0	1
Ohio	1	1	1	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	3	2	0	2
Kansas	3	3	5	0	3
Minnesota	2	2	2	0	2
Missouri	1	1	3	0	2
Nebraska	2	1	2	0	7
North Dakota	2	1	3	0	8
South Dakota	3	1	2	0	10
South Atlantic	**1**	**1**	**1**	**0**	**1**
Delaware	2	2	5	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	3	2	3	0	2
Maryland	1	1	2	0	1
North Carolina	2	2	2	0	2
South Carolina	3	2	2	0	2
Virginia	1	1	2	0	1
West Virginia	*	*	0	0	*
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	2	2	0	2
Kentucky	2	2	1	0	1
Mississippi	4	3	3	0	3
Tennessee	1	2	2	0	2
West South Central	**2**	**1**	**1**	**0**	**1**
Arkansas	3	3	3	*	3
Louisiana	2	2	1	0	2
Oklahoma	3	2	3	0	3
Texas	2	2	1	0	2
Mountain	*****	*****	**1**	**0**	**1**
Arizona	1	*	1	0	1
Colorado	1	*	2	0	2
Idaho	1	1	1	0	4
Montana	2	1	2	0	8
Nevada	1	*	0	0	1
New Mexico	2	1	3	0	2
Utah	2	1	1	0	1
Wyoming	2	1	1	0	4
Pacific Contiguous	*****	*****	**1**	**0**	**1**
California	*	*	1	0	*
Oregon	1	*	2	0	5
Washington	1	*	1	0	4
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**3**
Alaska	2	2	3	0	8
Hawaii	0	0	0	0	0
U.S. Total	**1**	*****	**0**	**0**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	6	0	1
Maine	*	*	0	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	*	1	0	*
Vermont	1	*	2	0	1
Middle Atlantic	*****	*****	**1**	**0**	*****
New Jersey	*	*	0	0	*
New York	*	*	4	0	1
Pennsylvania	*	*	0	0	*
East North Central	*****	*****	**0**	*****	*****
Illinois	*	*	0	*	*
Indiana	*	*	0	0	*
Michigan	*	*	0	0	*
Ohio	*	*	0	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	**0**	**0**	*****
Iowa	1	*	1	0	1
Kansas	1	1	1	0	1
Minnesota	1	*	1	0	1
Missouri	*	*	1	0	1
Nebraska	1	*	1	0	2
North Dakota	1	*	1	0	3
South Dakota	1	*	1	0	3
South Atlantic	*****	*****	**0**	**0**	*****
Delaware	1	*	2	*	1
District of Columbia	0	*	1	0	*
Florida	*	*	1	0	*
Georgia	1	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	1	0	*
South Carolina	1	*	0	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	0	0	*
East South Central	*****	*****	**0**	**0**	*****
Alabama	1	*	0	0	*
Kentucky	1	*	0	0	*
Mississippi	1	1	1	0	1
Tennessee	*	*	1	0	*
West South Central	*****	*****	**0**	**0**	*****
Arkansas	1	1	1	*	1
Louisiana	1	*	0	0	*
Oklahoma	1	*	1	0	1
Texas	*	*	0	0	*
Mountain	*****	*****	**0**	**0**	*****
Arizona	*	*	1	0	*
Colorado	1	*	1	0	1
Idaho	*	*	0	0	1
Montana	1	*	1	0	2
Nevada	*	*	0	0	*
New Mexico	1	*	1	0	1
Utah	1	*	0	0	*
Wyoming	1	*	0	0	1
Pacific Contiguous	*****	*****	**0**	**0**	*****
California	*	*	0	0	*
Oregon	*	*	1	0	1
Washington	*	*	1	0	1
Pacific Noncontiguous	*****	*****	**0**	**0**	**1**
Alaska	1	1	1	0	3
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	**0**	**0**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2010
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	*****	**1**	**0**	*****
Connecticut	*	1	2	0	1
Maine	*	1	1	0	1
Massachusetts	1	1	1	0	1
New Hampshire	*	1	2	0	1
Rhode Island	0	0	0	0	0
Vermont	2	3	5	0	2
Middle Atlantic	*****	*****	*****	**1**	*****
New Jersey	*	*	1	0	*
New York	*	*	1	1	*
Pennsylvania	*	*	*	0	*
East North Central	*****	**1**	**1**	**0**	*****
Illinois	1	1	1	0	1
Indiana	1	2	1	0	1
Michigan	1	1	1	0	1
Ohio	1	1	1	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	3	3	0	2
Kansas	3	3	5	0	3
Minnesota	1	2	2	0	2
Missouri	1	2	4	0	2
Nebraska	2	1	3	0	3
North Dakota	2	1	4	0	3
South Dakota	3	2	3	0	4
South Atlantic	**1**	**1**	**1**	**0**	**1**
Delaware	1	2	5	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	3	2	3	0	2
Maryland	1	1	2	0	1
North Carolina	2	2	2	0	2
South Carolina	2	2	2	0	2
Virginia	2	1	3	0	1
West Virginia	*	1	*	0	*
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	2	2	0	2
Kentucky	2	2	2	0	2
Mississippi	3	3	4	0	3
Tennessee	1	2	2	0	1
West South Central	**1**	**1**	**1**	**1**	**1**
Arkansas	3	3	3	111	3
Louisiana	2	2	1	0	2
Oklahoma	3	2	4	0	3
Texas	1	1	2	0	1
Mountain	**1**	*****	**1**	**0**	**1**
Arizona	1	1	1	0	1
Colorado	2	1	2	0	2
Idaho	1	1	1	0	2
Montana	2	1	4	0	3
Nevada	1	1	*	0	1
New Mexico	3	2	3	0	3
Utah	3	1	1	0	2
Wyoming	2	1	1	0	2
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	1	2	0	2
Washington	1	1	2	0	2
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	2	3	3	0	4
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**1**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	*****	**1**	**1**	*****
Connecticut	*	*	3	3	*
Maine	*	*	*	0	*
Massachusetts	*	*	*	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	*	*	0	*
Vermont	1	*	1	0	1
Middle Atlantic	*****	*****	*****	**1**	*****
New Jersey	*	*	*	1	*
New York	*	*	2	1	*
Pennsylvania	*	*	*	*	*
East North Central	*****	*****	*****	**7**	*****
Illinois	*	*	*	8	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	*****	**0**	*****
Iowa	1	*	1	0	1
Kansas	1	1	1	0	1
Minnesota	1	*	1	0	1
Missouri	*	*	1	0	*
Nebraska	1	*	1	0	1
North Dakota	1	*	2	0	1
South Dakota	1	1	1	0	1
South Atlantic	*****	*****	*****	*****	*****
Delaware	*	*	1	7	1
District of Columbia	0	*	1	*	*
Florida	*	*	1	0	*
Georgia	1	*	1	0	*
Maryland	*	*	1	*	*
North Carolina	*	*	1	0	*
South Carolina	1	*	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	*****	*****	*****	**0**	*****
Alabama	1	*	*	0	*
Kentucky	1	*	*	0	*
Mississippi	1	1	1	0	1
Tennessee	*	*	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	1	1	1	43	1
Louisiana	1	*	*	0	*
Oklahoma	1	*	1	0	1
Texas	*	*	*	0	*
Mountain	*****	*****	*****	**0**	*****
Arizona	*	*	*	0	*
Colorado	1	*	1	0	1
Idaho	1	*	*	0	1
Montana	1	*	1	0	1
Nevada	*	*	*	0	*
New Mexico	1	1	1	0	1
Utah	1	*	*	0	1
Wyoming	1	*	*	0	1
Pacific Contiguous	*****	*****	*****	**0**	*****
California	*	*	*	0	*
Oregon	1	*	1	0	1
Washington	*	*	1	0	1
Pacific Noncontiguous	*****	*****	*****	**0**	*****
Alaska	1	1	1	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**1**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2010
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	**1**	**2**	**0**	**1**
Connecticut	1	1	3	0	1
Maine	1	1	2	0	1
Massachusetts	1	2	2	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	1	4	6	0	4
Middle Atlantic	**0**	*****	**1**	**0**	*****
New Jersey	*	*	2	0	1
New York	0	*	2	0	*
Pennsylvania	*	1	1	0	1
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	2	2	2	0	2
Michigan	0	0	0	0	0
Ohio	1	1	2	0	1
Wisconsin	1	2	3	0	2
West North Central	**1**	**1**	**2**	**0**	**2**
Iowa	3	4	4	0	3
Kansas	4	4	6	0	4
Minnesota	1	2	3	0	2
Missouri	1	2	4	0	2
Nebraska	0	1	0	0	7
North Dakota	0	0	0	0	8
South Dakota	3	2	4	0	11
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	2	2	7	0	2
District of Columbia	0	0	0	0	0
Florida	1	2	4	0	2
Georgia	3	2	4	0	2
Maryland	1	1	3	0	1
North Carolina	3	2	3	0	2
South Carolina	2	2	3	0	3
Virginia	0	0	0	0	0
West Virginia	*	1	*	0	*
East South Central	**1**	**2**	**1**	**0**	**1**
Alabama	3	3	0	0	2
Kentucky	2	3	2	0	0
Mississippi	5	4	5	0	4
Tennessee	1	3	2	0	2
West South Central	**2**	**2**	**1**	**0**	**1**
Arkansas	4	4	2	*	0
Louisiana	3	2	1	0	2
Oklahoma	4	3	5	0	3
Texas	2	2	2	0	2
Mountain	**1**	*****	**1**	**0**	**1**
Arizona	0	0	2	0	0
Colorado	1	0	2	0	2
Idaho	1	1	0	0	4
Montana	3	1	4	0	8
Nevada	1	1	1	0	1
New Mexico	4	2	3	0	3
Utah	3	1	1	0	2
Wyoming	3	1	1	0	4
Pacific Contiguous	**0**	**0**	**0**	**0**	**0**
California	0	0	0	0	0
Oregon	1	1	1	0	5
Washington	0	*	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**3**
Alaska	2	3	4	0	9
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**0**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2010
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	7	0	1
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	1
New Hampshire	*	*	1	0	*
Rhode Island	0	*	1	0	*
Vermont	1	1	2	0	1
Middle Atlantic	*****	*****	**1**	**0**	*****
New Jersey	*	*	1	0	*
New York	*	1	5	0	1
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	*****	*****
Illinois	*	*	*	*	*
Indiana	1	*	1	0	1
Michigan	*	*	*	0	*
Ohio	*	*	1	0	*
Wisconsin	1	*	1	0	1
West North Central	*****	*****	**1**	**0**	*****
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	1	*	1	0	1
Missouri	1	*	1	0	1
Nebraska	1	1	1	0	2
North Dakota	1	*	2	0	3
South Dakota	1	1	1	0	3
South Atlantic	*****	*****	*****	**0**	*****
Delaware	1	*	2	*	1
District of Columbia	0	*	1	0	*
Florida	*	*	1	0	*
Georgia	1	*	1	0	1
Maryland	*	*	1	0	*
North Carolina	1	*	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	*****	*****	*****	**0**	*****
Alabama	1	1	1	0	1
Kentucky	1	*	1	0	1
Mississippi	1	1	1	0	1
Tennessee	1	*	1	0	1
West South Central	*****	*****	*****	**0**	*****
Arkansas	1	1	1	*	1
Louisiana	1	1	*	0	1
Oklahoma	1	1	1	0	1
Texas	1	*	1	0	*
Mountain	*****	*****	*****	**0**	*****
Arizona	*	*	1	0	*
Colorado	1	*	1	0	1
Idaho	1	*	*	0	1
Montana	1	*	2	0	3
Nevada	*	*	*	0	*
New Mexico	1	1	2	0	1
Utah	1	1	1	0	1
Wyoming	1	*	*	0	1
Pacific Contiguous	*****	*****	*****	**0**	*****
California	*	*	*	0	*
Oregon	1	*	1	0	2
Washington	1	*	1	0	1
Pacific Noncontiguous	**1**	*****	*****	**0**	**1**
Alaska	2	1	1	0	3
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**0**	*****

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2010 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Appendix B

Major Disturbances and Unusual Occurrences

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
January							
01/06/10	Southwest Louisiana Electric Membership Corporation (SERC)	6:00 p.m.	Southwest Louisiana	Made Public Appeals	N/A	N/A	6:00 p.m. January 08
01/11/10	Progress Energy Florida (FRCC/SERC)	3:45 a.m.	Northern and Central Florida	Interruptible Load Shed/Made Public Appeals	N/A	N/A	9:57 a.m. January 11
01/18/10	Pacific Gas and Electric Company (WECC)	11:30 a.m.	Northern and Central California	Severe Storm	290	1,700,000	8:00 a.m. January 28
01/19/10	California ISO (WECC)	7:30 a.m.	San Francisco	Severe Storm	300	30,000	12:24 p.m. January 19
01/19/10	San Diego Gas & Electric Company (WECC)	2:30 p.m.	San Diego and Orange Counties	Severe Storm	2,650	50,000	3:00 p.m. January 20
01/20/10	Los Angeles Department of Water and Power (WECC)	1:00 p.m.	City of Los Angeles, California	Severe Storm	N/A	147,223	6:10 p.m. January 24
01/28/10	American Electric Power (SPP)	12:00 p.m.	Oklahoma	Ice Storm	N/A	68,705	12:00 p.m. February 02
February							
02/01/10	Western Farmers Electric Cooperative (SPP)	2:32 p.m.	Oklahoma	Ice Storm/Electrical System Separation	30	0	5:00 p.m. February 01
02/05/10	Atlantic City Electric (RFC)	3:00 p.m.	Southern NJ	Winter Storm	N/A	221,000	4:00 p.m. February 13
02/05/10	Duke Energy Carolinas (SERC)	6:48 p.m.	North and South Carolina	Winter Storm	500	74,000	5:00 p.m. February 07
02/05/10	Potomac Electric Power Co (RFC)	7:00 p.m.	District of Columbia, Prince Georges and Montgomery Co. MD	Winter Storm	N/A	97,651	3:46 p.m. February 12
02/05/10	Duquesne Light Company (RFC)	10:30 p.m.	Southwestern Pennsylvania	Winter Storm	N/A	57,000	12:00 p.m. February 12
02/05/10	American Electric Power (RFC)	11:30 p.m.	Indiana, Ohio, W. Virginia and Virginia	Winter Storm	N/A	102,225	2:38 a.m. February 07
02/06/10	Dominion (SERC)	2:30 a.m.	Virginia, North Carolina	Winter Storm	600	104,736	7:00 a.m. February 07
02/06/10	Delmarva Power & Light Company (RFC)	8:00 a.m.	Delmarva Peninsula	Winter Storm	N/A	58,491	9:00 a.m. February 06
02/09/10	Exelon Corporation (RFC)	6:00 p.m.	Southeastern Pennsylvania	Winter Storm	N/A	223,000	4:00 p.m. February 14
02/11/10	Oncor Electric Delivery Company (TRE)	12:00 p.m.	Dallas/Fort Worth and East Texas	Winter Storm	N/A	500,000	9:00 p.m. February 15
02/12/10	American Electric Power (SPP)	5:00 a.m.	East Texas, Western Arkansas, Northern Lousiania	Winter Storm	N/A	52,999	5:00 p.m. February 12
02/14/10	Allegheny Power (RFC)	10:00 a.m.	Western Pennsylvania nd Northeast Central WV	Winter Storm	900	190,000	12:00 p.m. February 14
02/19/10	California Department of Water Resources (WECC)	8:30 p.m.	San Joaquin Field Division/Bakersfield, CA	Firm System Load Shed	1,000	N/A	4:01 a.m. February 20
02/23/10	Central Hudson Gas & Electric Corp (NPCC)	10:00 p.m.	Upstate New York	Winter Storm	N/A	150,000	4:00 p.m. February 25
02/25/10	Orange and Rockland Utilities Inc	12:01 a.m.	Southeastern New York, Northern New Jersey	Winter Storm	N/A	65,000	9:00 p.m. February 26
02/25/10	Consolidated Edison of NY (NPCC)	5:00 p.m.	New York City	Winter Storm	N/A	55,000	7:00 p.m. March 02
02/25/10	ISO New England (NPCC)	11:53 p.m.	Southern Maine and New Hampshire	Winter Storm	510	509,606	4:40 p.m. March 01
March							
03/13/10	Exelon Corporation/PECO (RFC)	1:00 a.m.	Southeasten Pennsylvania	High Winds and rain	N/A	177,528	6:40 p.m. March 16
03/13/10	ISO New England (NPCC)	12:00 p.m.	Connecticut	High Winds and Rain	50	50,246	8:05 p.m. March 15
03/13/10	Long Island Power Authority (NPCC)	3:00 p.m.	Long Island	High Winds and Rain	N/A	153,000	4:00 p.m. March 17
03/13/10	Jersey Central Power and Light Company (RFC)	4:00 p.m.	Central New Jersey and Northern New Jersey	High Winds and Flooding	N/A	180,000	12:00 a.m. March 16
03/13/10	Public Service Electric & Gas Company (RFC)	6:00 p.m.	Southern, Central and Northern New Jersey	High Winds and Rain	100	360,000	12:59 p.m. March 20
03/13/10	Consolidated Edison of NY (NPCC)	6:00 p.m.	New York City and Westchester County	High Winds and Rain	N/A	173,000	9:00 a.m. March 20
03/31/10	San Diego Gas & Electric Company (WECC)	11:59 p.m.	San Diego and Orange Counties	Shed Firm Load	324	290,000	12:55 a.m. April 01
03/31/10	California Independent System Operator (WECC)	11:59 p.m.	San Diego	Shed Firm Load	324	N/A	12:38 a.m. April 01
April							
04/16/10	Allegheny Power (RFC)	5:15 p.m.	Southwestern Pennsylvania	Severe Thunderstorms	15	120,000	5:00 p.m. April 18

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
04/21/10	Dow Chemical Co (SERC)	3:05 p.m.	Iberville, Parish, Louisiana	Generator Tripped	N/A	N/A	8:00 p.m. April 21
04/27/10	North Carolina Eastern Municipal Power Agency (SERC)	2:55 p.m.	Rocky Mount, NC	Transmission System Interruption	N/A	29,376	2:55 p.m. April 27
May							
05/02/10	Tennesse Valley Authority (SERC)	2:40 p.m.	Tennessee and Mississippi	Thunderstorms	N/A	50,500	7:30 p.m. May 09
05/18/10	California Department of Water Resources (WECC)	8:15 a.m.	Central California	Breakers Tripped	318	N/A	10:46 p.m. May 18
05/26/10	Allegheny Power (RFC, SERC)	11:45 a.m.	Maryland, Pennsylvania, West Virginia, Virginia	Made Public Appeal - System Drill	N/A	N/A	3:00 p.m. May 26
June							
06/01/10	Southern Indiana Gas and Electric Company (RFC)	10:03 p.m.	Southwestern Indiana	Firm Load Shed	500	1	12:30 a.m. June 18
06/02/10	CPS Energy (TRE)	8:18 p.m.	San Antonio, TX	Severe Weather	N/A	126,000	8:00 a.m. June 04
06/06/10	Pacific Gas and Electric (WECC)	4:45 a.m.	Northern California	Electric System Separation	3	2,650	5:35 a.m. June 06
06/07/10	Public Service Company of Colorado (WECC)	6:29 p.m.	Denver Metropolitan Area	Firm Load Shed	300	31,000	1:00 a.m. June 08
06/08/10	Centerpoint Energy (TRE)	11:00 a.m.	Southeastern Texas	Thunderstorms	N/A	79,741	5:00 p.m. June 08
06/09/10	North Carolina Eastern Municipal Power Agency (SERC)	2:18 p.m.	Edenton, NC	Transmission System Interruption	N/A	4,196	3:00 p.m. June 09
06/16/10	Orange and Rockland Utilities (NPCC)	11:11 a.m.	New York (Rockland and Orange Counties)	Voltage Reduction (System Test)	N/A	N/A	11:32 a.m. June 16
06/17/10	Louisiana Energy and Power Authority (SPP)	8:30 a.m.	Morgan City, LA	Made Public Appeal	N/A	N/A	5:47 p.m. June 17
06/17/10	Entergy (SERC)	9:30 a.m.	Southern Louisiana	Made Public Appeal	N/A	N/A	5:17 p.m. June 17
06/17/10	Cleco Power LLC (SERC)	9:30 a.m.	Southern Louisiana	Made Public Appeal	N/A	N/A	4:40 p.m. June 17
06/17/10	Southwest Louisiana Electric Membership Corporation (SPP)	9:30 a.m.	Southwestern Louisiana	Made Public Appeal	N/A	N/A	4:40 p.m. June 17
06/17/10	Western Area Power Administration (MRO)	10:49 a.m.	Eastern Montana	Electrical System Separation	N/A	N/A	11:02 a.m. June 17
06/18/10	Northern Indiana Public Service Company (RFC)	3:30 p.m.	Northwest Indiana	Thunderstorms	N/A	94,345	12:30 a.m. June 20
06/18/10	Commonwealth Edison (RFC)	4:00 p.m.	Chicago, IL	Severe Weather	N/A	400,000	1:00 p.m. June 20
06/18/10	Consumers Energy (RFC)	7:00 p.m.	Southern Portion of Lower Michigan	Thunderstorms	N/A	100,000	5:00 a.m. June 19
06/18/10	American Electric Power (RFC)	8:00 p.m.	Indiana, Michigan	Severe Weather	N/A	79,000	10:45 a.m. June 21
06/18/10	Detroit Edison (RFC)	8:00 p.m.	Detroit, MI	Severe Weather	N/A	150,000	7:30 p.m. June 22
06/21/10	Duke Energy Midwest (RFC)	1:48 p.m.	Cincinnati, OH	Thunderstorms	400	50,636	8:31 p.m. June 22
06/22/10	Entergy (SERC)	3:34 p.m.	West/Central Arkansas	Made Public Appeal/Transmission Equipment Failure	84	25,159	7:00 p.m. June 22
06/23/10	Commonwealth Edison (RFC)	5:00 p.m.	Chicago, IL	Severe Weather	N/A	300,000	1:40 p.m. June 25
06/23/10	Northern Indiana Public Service Company (RFC)	5:48 p.m.	Northwest Indiana	Thunderstorms	N/A	53,000	2:21 a.m. June 24
06/24/10	Atlantic City Electric (RFC)	3:00 p.m.	Southwestern New Jersey	Thunderstorms	N/A	150,000	12:00 p.m. June 29
06/24/10	PECO (RFC)	3:30 p.m.	Southeastern Pennsylvania	Thunderstorms	N/A	355,000	11:59 p.m. June 29
06/25/10	Pacific Gas and Electric (WECC)	11:36 p.m.	Northern California	Electrical System Separation	N/A	N/A	1:38 a.m. June 26
July							
07/06/10	Delmarva Power & Light Company (RFC)	3:47 a.m.	Newark, DE	Transformer Outage	95	18,400	4:37 a.m. July 06
07/07/10	PJM Interconnection, LLC (RFC)	4:13 p.m.	York, South Central Pennsylvania	Loss of Transmission Equipment	N/A	43,903	10:29 p.m. July 07
07/15/10	Detroit Edison (RFC)	7:00 p.m.	Southeastern Michigan	Severe Weather	540	127,534	11:30 p.m. July 19
07/17/10	Xcel Energy (MRO)	8:30 p.m.	Minnesota	Strong Winds, Tornadoes	N/A	63,000	10:00 p.m. July 19
07/21/10	ISO New England (NPCC)	6:44 p.m.	Connecticut	Thunderstorms	N/A	50,100	8:00 p.m. July 21
07/23/10	Pacificorp (WECC)	10:00 a.m.	Northern Utah	Made Public Appeals	6-8	N/A	11:55 p.m. July 24
07/23/10	Detroit Edison (RFC)	7:30 p.m.	Southeastern Michigan	Severe Weather	400	82,000	6:30 p.m. July 26

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
07/25/10	Potomac Electric Power Co (RFC)	3:10 p.m.	Washington, DC Region	Severe Weather	N/A	297,700	11:30 p.m. July 30
07/25/10	Baltimore Gas and Electric (RFC)	3:20 p.m.	Central Maryland	Severe Weather	480	124,000	6:00 p.m. July 27
07/25/10	Dominion - Virginia Power (SERC)	4:11 p.m.	Northern Virginia	Severe Weather	900-1000	81,000	8:06 p.m. July 25
07/29/10	Dominion - Virginia Power (SERC)	5:43 p.m.	Virginia	Thunderstorms	N/A	55,000	8:07 p.m. July 29
07/29/10	Southern California Edison Company (WECC)	6:39 p.m.	Southern California	Shed Interruptible Load, Wildfire	522	N/A	7:26 p.m. July 29
07/29/10	California Independent System Operator (WECC)	6:39 p.m.	Southern California	Shed Interruptible Load, Wildfire	522	N/A	7:26 p.m. July 29
August							
08/02/10	California Department of Waters Resources (WECC)	12:00 p.m.	Central California	Fuel Supply Deficiency (Hydro)	N/A	N/A	11:00 p.m. August 02
08/02/10	Cleco Power LLC (SERC)	12:45 p.m.	Southern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/02/10	Entergy (SERC)	12:45 p.m.	Southern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/02/10	Southwest Louisiana Electric Membership Corporation (SERC)	12:45 p.m.	Southwestern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/02/10	Lafayette Utilities Systems (SPP)	12:45 p.m.	Southern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/04/10	Southwestern Public Service Company (SPP)	12:00 p.m.	Northern Texas, Eastern New Mexico	Made Public Appeals	N/A	N/A	10:00 p.m. August 04
08/04/10	Allegheny Power (RFC)	4:45 p.m.	Western Pennsylvania, Northwestern and Central West Virginia	Thunderstorms	60	11,186	12:00 a.m. August 07
08/04/10	American Electric Power (RFC)	5:00 p.m.	Ohio, West Virginia, Kentucky	Severe Weather	N/A	37,000	4:00 a.m. August 06
08/05/10	Potomac Electric Power Co (RFC)	3:30 p.m.	District of Columbia, Maryland	Thunderstorms	N/A	76,729	10:00 p.m. August 05
08/05/10	Dominion - Virginia Power (RFC)	3:54 p.m.	Northern Virginia	Thunderstorms	N/A	145,157	12:00 a.m. August 08
08/09/10	AES Greenidge and Cayuga0RFC)	12:00 p.m.	Upstate New York	Fuel Supply Defiency	N/A	N/A	12:00 p.m. August 16
08/11/10	American Electric Power (RFC)	3:21 p.m.	Ohio	Severe Weather	N/A	57,000	12:12 p.m. August 11
08/12/10	Potomac Electric Power Co. (RFC)	6:45 a.m.	District of Columbia, Maryland	Severe Weather	N/A	101,003	9:00 p.m. August 12
08/12/10	Nebraska Public Power District (SPP)	8:21 a.m.	Central Nebraska	Made Public Appeals	65	N/A	11:00 a.m. August 12
08/12/10	Wisconsin Public Service (MRO)	3:42 p.m.	City of Oshkosh, Wisconsin	Made Public Appeals	30	7,600	10:10 p.m. August 12
08/19/10	Detroit Edison (RFC)	6:00 p.m.	Southeastern Michigan	Severe Weather	340	80,000	3:30 p.m. August 23
08/23/10	CenterPoint Energy (TRE)	5:50 p.m.	Houston, Texas	Severe Weather	746	81,586	9:30 a.m. August 24
September							
09/01/10	Pacific Gas and Electric (WECC)	10:20 a.m.	Pittsburg (Bay Area), California	Electrical System Separation (Islanding)	31	15,000	12:44 p.m. September 01
09/07/10	CPS Energy (TRE)	2:02 p.m.	San Antonio, Texas	Tropical Storm	N/A	340,350	1:27 a.m. September 08
09/20/10	Birchwood Power Facility (SERC)	5:00 p.m.	King George County, Virginia	Low Flying Helicopter	N/A	N/A	5:30 p.m. September 20
09/21/10	Consumers Energy (RFC)	9:31 p.m.	Central and Southern Michigan	Thunderstorms	N/A	138,000	2:30 p.m. September 22
09/22/10	California Department of Water Resources (WECC)	6:12 a.m.	Bakersfield, California	Firm Load Shed	526	N/A	11:00 p.m. September 22
09/22/10	Duquesne Light Company (RFC)	4:08 p.m.	City of Pittsburgh, Pennsylvania	Thunderstorms	156	52,000	12:00 a.m. September 26
09/22/10	Allegheny Power (RFC)	5:38 p.m.	Western Pennsylvania	Thunderstorms	389	82,861	11:30 p.m. September 24
09/27/10	Southern California Edison Company (WECC)	3:15 p.m.	Central and Southern California	Interruptible Load Shed	595	N/A	6:12 p.m. September 27
October							
10/05/10	Los Angeles Department of Water and Power (WECC)	5:45 a.m.	City of Los Angeles, California	Rain and High Winds	N/A	73,514	6:00a.m. October 07
10/26/10	Commonwealth Edison (RFC)	9:00 a.m.	Northern Illinois	Thunderstorms	N/A	192,106	11:00 a.m. October 28
10/26/10	Xcel Energy/Northern States Power Company (MRO)	8:00 p.m.	Minnesota	High Winds	N/A	70,000	10:00 p.m. October 28
10/27/10	Wisconsin Public Service Corporation (MRO)	4:00 a.m.	Northeast and North Central Wisconsin	High Winds	N/A	63,000	12:00 p.m. October 27

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
10/27/10	Consumers Energy (RFC)	8:00 a.m.	Michigan's Northerly Lower Peninsula	High Winds	240	285,000	7:00 a.m. October 29
10/27/10	Commonwealth Edison (RFC)	5:00 p.m.	Northern Illinois	High Winds	N/A	127,000	4:00 a.m. October 29
10/27/10	Pacific Gas and Electric (WECC)	5:16 p.m.	Northern California	Electrical System Separation-Islanding	16	2,674	5:27 p.m. October 27
10/31/10	California Department of Water Resources (WECC)	10:26 p.m.	Bakersfield, California	Firm System Load Loss	500	N/A	1:45 a.m. November 01
November							
11/04/10	PacifiCorp (WECC)	9:46 a.m.	Rock Springs, Wyoming	Transmission Equipment Failure/Interruptible Load Shed	N/A	N/A	10:47 a.m. November 04
11/06/10	Pacific Gas and Electric (WECC)	3:53 p.m.	Northern California	Electrical System Separation - Islanding	20	4	6:08 p.m. November 06
11/08/10	ISO New England (NPCC)	6:47 a.m.	Maine	Snow and High Winds	N/A	60,863	6:00 p.m. November 08
11/13/10	Xcel Energy/Northern States Power Company (MRO)	3:00 p.m.	Minnesota	Winter Storm	N/A	60,000	10:00 p.m. November 14
11/15/10	Puget Sound Energy (WECC)	11:00 p.m.	Puget Sound Region	High Winds	391	149,256	2:14 a.m. November 16
11/21/10	Pacific Gas and Electric (WECC)	1:39 a.m.	Northern and Central California	Winter Storm	75	60,000	4:46 p.m. November 24
11/22/10	Puget Sound Energy (WECC)	11:00 p.m.	Puget Sound Region, Washington	Winter Storm	420	123,535	8:00 p.m. November 24
11/23/10	Pacific Gas and Electric (WECC)	2:01 p.m.	Northern California	Electrical System Separation - Islanding	22	7,077	6:12 p.m. November 23

[1] Estimated values.
Note: Estimates for 2010 are preliminary.
Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2009

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
January							
01/05/09	Oncor Electric Delivery Company, LLC (TRE)	5:00 a.m.	North and Central Texas	Severe Storm	N/A	157,019	6:00 p.m. January 06
01/07/09	Duke Energy Carolinas (SERC)	5:00 p.m.	Piedmont of North and South Carolina	High Winds	300	70,000	8:05 p.m. January 07
01/08/09	Florida Keys Electric Cooperative Assoc. Inc. (FRCC)	11:46 p.m.	Florida Keys	Transmission Equipment Failure	55	31,000	11:25 a.m. January 09
01/17/09	State Line Energy, LLC (RFC)	8:00 a.m.	PJM, Indiana	Fuel Supply Deficiency	N/A	N/A	8:00 a.m. January 25
01/22/09	Crawfordsville Electric Light and Power (RFC)	4:00 p.m.	Crawfordsville, Indiana	Shed Load	50	9,700	5:05 p.m. January 22
01/27/09	Louisville Gas and Electric/Kentucky Utilities (RFC)	5:00 a.m.	State of Kentucky	Ice Storm	N/A	383,000	4:30 p.m. January 29
01/27/09	East Kentucky Power Cooperative, Inc. (SERC)	5:03 a.m.	Central and Eastern Kentrucky	Ice Storm	600	190,000	5:15 p.m. January 31
01/27/09	Big Rivers Electric Corporation (SERC)	7:10 a.m.	Western Kentucky and Southern Indiana	Ice Storm	350	3	7:30 p.m. February 04
01/27/09	Associated Electric Cooperative, Inc. (SERC)	11:00 a.m.	South Central and Southeast Missouri	Winter Storm	200	62,500	6:00 p.m. January 30
01/27/09	Entergy Corporation (SERC)	1:46 p.m.	Northern Arkansas	Ice Storm	N/A	111,818	5:00 p.m. February 03
01/27/09	American Electric Power (RFC)	3:43 p.m.	CSWS-AEP West	Ice/Snow Storm	N/A	59,402	9:00 a.m. January 29
01/27/09	Arkansas Electric Cooperative Corporation (SERC)	9:00 p.m.	Northern Arkansas	Ice Storm	600	215,700	6:00 a.m. January 29
01/27/09	Tennessee Valley Autbority (SERC)	9:45 p.m.	TVA Service Territory	Ice Storm	850	1	10:17 p.m. January 27
01/28/09	Midwest ISO (RFC)	12:10 a.m.	East Central Missouri	Winter Storm	300	1	9:20 p.m. January 30
01/28/09	Midwest ISO (RFC)	3:00 a.m.	Illinois, Indiana, Ohio and Kentucky	Winter Storm	N/A	230,300	8:03 a.m. February 13
01/28/09	Henderson Municipal Power and Light (RFC)	4:00 a.m.	City of Henderson, Kentucky and Portions of Henderson County, Kentucky	Ice Storm	21	3,500	5:00 p.m. February 07
01/28/09	Vectren Energy Delivery of Indiana (RFC)	6:00 a.m.	Indiana, Evansville, Metro Area	Ice Storm	506	75,000	6:00 p.m. February 05
01/28/09	Duke Energy Indiana (RFC)	7:50 a.m.	Southern Indiana	Ice/Snow Storm	N/A	53,700	8:03 a.m. February 13
01/28/09	Tennessee Valley Authority (SERC)	9:00 a.m.	Northeast Tennessee and Southwest Kentucky	Ice Storm	N/A	109,527	8:00 a.m. February 05
01/28/09	Duke Energy Ohio (RFC)	10:00 a.m.	Northern Kentucky and Southwest Ohio	Ice/Snow Storm	N/A	53,600	9:20 p.m. January 30
February							
02/11/09	CenterPoint Energy (TRE)	2:30 a.m.	Houston, Texas	High Winds	350	64,801	12:00 p.m. February 11
02/11/09	American Electric Power (RFC)	6:00 p.m.	Kentucky, West Virginia and Ohio	Severe Thunderstorms	N/A	279,813	5:00 p.m. February 13
02/11/09	Allegheny Power (RFC)	6:18 p.m.	Maryland, Virginia, West Virginia and Pennsylvania	Severe Thunderstorms	N/A	374,644	8:10 p.m. February 16
02/11/09	Louisville Gas and Electric/Kentucky Utilities (RFC)	7:00 p.m.	State of Kentucky	Severe Thunderstorms	N/A	78,000	11:00 a.m. February 12
02/11/09	Midwest ISO (RFC)	9:00 p.m.	Northern Kentucky and Southwest Ohio	Severe Thunderstorms	350	63,000	12:00 p.m. February 12
02/12/09	Midwest ISO (RFC)	2:30 a.m.	Central and Eastern Ohio	High Winds	168	184,000	6:00 a.m. February 12
02/12/09	Penelec (RFC)	8:00 a.m.	Western and North Eastern Pennsylvania	High Winds	130	132,000	10:00 p.m. February 15
02/13/09	Ohio Edison Company (RFC)	2:30 a.m.	Central and Eastern Ohio	High Winds	168	184,000	3:00 a.m. February 15
02/23/09	Central Maine Power Company (NPCC)	2:38 a.m.	Southern Central and Western Maine	Ice/Snow Storm	N/A	131,000	1:46 p.m. February 24
March							
03/01/09	El Paso Electric Company (WECC)	12:15 a.m.	City of El Paso, Texas, County of El Paso	Transmission Equipment Failure	250	132,000	3:00 a.m. March 01
03/01/09	Southern Company (SERC)	4:00 p.m.	Southern Balancing Area	Severe Weather	75	60,000	11:25 p.m. March 01
03/01/09	Duke Energy Carolinas (SERC)	8:54 p.m.	Duke Energy Carolinas Balance Authority	Ice/Snow Storm	1,000	180,000	4:06 p.m. March 03
03/01/09	Dominion Virginia/North Carolina Power (SERC)	10:00 p.m.	Central Virginia - Spotsylvania County	Winter Storm	210	217,000	6:00 p.m. March 03
03/03/09	New Covert Generating Company, LLC (RFC)	6:48 a.m.	Southwest Michigan	Transformer Faulted/Unit Tripped	378	N/A	6:05 a.m. April 26

Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2009

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
03/03/09	American Electric Power (REC)	10:00 p.m.	Roanoke, Virginia	Made Public Appeals	350	0	8:17 p.m. March 04
03/08/09	Crockett Cogeneration (WECC)	10:16 p.m.	San Francisco Bay Area, California	Unit Shut Down	150	-	11:45 p.m. March 08
April							
04/06/09	Consumers Energy (RFC)	1:00 a.m.	Michigan, Lower Peninsula	Winter Storm	75	70,793	12:00 p.m. April 08
04/10/09	Southern Company (SERC)	10:00 p.m.	Alabama and Georgia	Severe Thunderstorms	162	56,679	2:30 a.m. April 11
04/23/09	State of California, Department of Water Resources (WECC)	12:00 a.m.	Restricted Hydro Electric Capability	Fuel Supply Deficiency	-	-	Ongoing
04/23/09	Puget Sound Energy (WECC)	4:25 p.m.	Skagit County, Washington	Transmission Tripped	244	93,300	12:29 a.m. April 24
04/23/09	Southern California Edison Co (WECC)	5:54 p.m.	Communities of Elsinore, Hemet, Moreno Valley, Perris, San Jacinto and Temecula in the southeastern area of Riverside County in California	Substation Load Interruption	512	280,000	7:58 p.m. April 23
04/24/09	Constellation Energy (SERC)	11:09 a.m.	Ruston, Louisiana	Complete Electric System Failure	32	11,000	11:21 a.m. April 24
04/25/09	Detroit Edison (RFC)	2:30 p.m.	Western Region of Service Territory	High Winds/Rain	N/A	125,000	1:00 a.m. April 29
04/27/09	CenterPoint Energy (TRE)	3:30 p.m.	Greater Houston/Galveston Area	High Winds	176	158,000	11:30 a.m. April 28
May							
05/08/09	The Empire District Electric Company (SERC)	7:30 a.m.	SW Missouri	Severe Thunderstorm	266	83,000	9:00 a.m. May 08
05/08/09	Ameren (SERC)	1:30 p.m.	Southern Illinois	Severe Thunderstorm	300	68,800	11:20 p.m. May 14
05/29/09	Big Rivers Electric Corporation (SERC)	9:05 a.m.	Henderson County, Kentucky	Transmission Equipment Failure	342	1	7:57 p.m. May 29
June							
06/05/09	Pacific Gas and Electric (WECC)	1:38 p.m.	East of Fresno California	Electrical System Separation	1	70	8:18 p.m. June 05
06/09/09	Baltimore Gas and Electric (RFC)	5:25 p.m.	Central Maryland	Severe Thunderstorms	60	85,091	5:00 a.m. June 11
06/10/09	Oncor Electric Delivery Company, LLC (TRE)	6:00 p.m.	North and Central Texas	Severe Storms	N/A	800,000	10:00 a.m. June 14
06/12/09	Tennessee Valley Authority (SERC)	4:37 p.m.	Chattanooga, Tennessee	Severe Storm	860	136,000	6:53 p.m. June 12
06/12/09	Entergy Corporation (SERC)	5:45 p.m.	Arkansas, North Mississippi	Severe Thunderstorms	N/A	81,645	11:59 p.m. June 15
06/12/09	Southern Company (SERC)	10:00 p.m.	Georgia	Severe Thunderstorm	290	102,000	6:00 p.m. June 13
06/16/09	California Department of Water Resources (WECC)	11:00 p.m.	A.D. Edmonston Pumping Plant	Fuel Supply Deficiency	300	0	2:00 a.m. June 17
06/19/09	Consumers Energy (RFC)	12:01 a.m.	Michigan Lower Peninsula	Severe Storm	75	99,000	11:00 p.m. June 21
06/19/09	Exelon Corporation ComEd (SERC)	1:00 p.m.	The Entire ComEd Service Territory	Severe Storm	N/A	245,000	11:59 p.m. June 19
06/24/09	SW Louisiana Electric Membership Corp/ Louisiana Generating LLC (SERC)	1:30 p.m.	Southwest Louisiana	Made Public Appeals	N/A	N/A	10:00 p.m. June 24
06/25/09	ERCOT ISO (TRE)	3:16 p.m.	ERCOT Region	Made Public Appeals	N/A	N/A	7:00 p.m. June 25
06/25/09	Detroit Edison (RFC)	3:30 p.m.	Western Region of Service Territory	High Winds/Rain	N/A	118,000	8:00 p.m. June 28
06/26/09	Duke Energy Midwest (RFC)	1:00 a.m.	Southwest Ohio, Northern Kentudky, Central and Southern Indiana	Severe Thunderstorms	327	85,000	9:00 a.m. June 27
06/26/09	Connecticut Light and Power (NPCC)	5:00 p.m.	Central Connecticut	Severe Thunderstorms	N/A	50,752	9:00 a.m. June 29
July							
07/02/09	ISO New England (NPCC)	10:44 p.m.	Northern Maine	Electrical System Separation	0	0	1:25 a.m. July 03
07/07/09	ERCOT ISO (TRE)	3:30 p.m.	San Antonio, Texas	Made Public Appeals	N/A	N/A	7:00 p.m. July 07
07/08/09	ERCOT ISO (TRE)	1:30 p.m.	ERCOT Region	Made Public Appeals	N/A	N/A	7:00 p.m. July 08
07/14/09	AEP West (SPP)	1:00 p.m.	AEP SWEPCO/Louisiana Area	Made Public Appeals	N/A	N/A	6:00 p.m. July 14

Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2009

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
07/15/09	AEP West (SPP)	1:00 p.m.	AEP SWEPCO/Louisiana Area	Made Public Appeals	N/A	N/A	6:00 p.m. July 15
07/16/09	AEP West (SPP)	1:00 p.m.	AEP SWEPCO/Louisiana Area	Made Public Appeals	N/A	N/A	6:00 p.m. July 16
07/18/09	CenterPoint Energy (TRE)	7:00 p.m.	Houston/Galveston Area	Thunderstorms	51	73,000	9:00 p.m. July 19
07/20/09	Public Service Company of Colorado (WECC)	9:50 p.m.	Metro Denver (Jefferson, Adams, and Arapahoe Counties)	Severe Thunderstorm	150	86,058	7:00 p.m. July 22
07/21/09	Crockett Cogeneration (WECC)	5:34 a.m.	San Francisco Bay Area, California	Unit Tripped	136	1	8:43 a.m. July 21
07/27/09	Tennessee Valley Authority (SERC)	5:05 a.m.	Chattanooga, Tennessee	Failure of Computer Hardware Used for Monitoring	N/A	N/A	5:47 a.m. July 27
07/28/09	PacificCorp (WECC)	8:18 p.m.	Salt Lake City Utah and Northern Utah	Loss of Part of Substation	316	N/A	8:33 p.m. July 28
August							
08/02/09	PECO Energy (RFC)	2:17 a.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsyvania	Highwinds	N/A	70,264	1:09 p.m. August 03
08/04/09	Duke Energy Midwest (RFC)	1:45 p.m.	Northern Kentucky, Southwest Ohio and Central and South Indiana	Thunderstorms	50	63,700	9:00 p.m. August 08
08/05/09	ERCOT ISO (TRE)	3:00 p.m.	ERCOT Region	Made Public Appeals	N/A	N/A	7:00 p.m. August 05
08/07/09	Detroit Edison (RFC)	11:00 p.m.	Western Region of Service Territory	High Winds and Rain	N/A	137,000	10:00 p.m. August 11
08/09/09	Consumers Energy (RFC)	7:31 p.m.	Michigan, Lower Peninsula	Severe Thunderstorms	N/A	58,156	9:59 a.m. August 10
08/12/09	CenterPoint Energy (TRE)	6:25 p.m.	South Houston Service Area	Thunderstorms	491	73,000	10:00 a.m. August 12
08/21/09	CenterPoint Energy (TRE)	7:00 p.m.	Houston Metropolitan Service Area	Thunderstorms	544	80,000	8:00 a.m. August 22
08/29/09	Western Area Power Administration Upper Great Plains Region (MRO)	11:00 a.m.	Western South Dakota	Electrical System Separation	373	18	2:01 p.m. August 29
08/29/09	Midwest ISO (RFC)	10:54 p.m.	Western South Dakota	Electrical System Separation	84	0	11:53 p.m. August 29
08/31/09	Los Angeles Department of Water and Power (WECC)	10:31 a.m.	City of Los Angeles, California	Made Public Appeals	N/A	N/A	12:00 a.m. August 31
October							
10/07/09	Detroit Edison (RFC)	5:45 a.m.	Southeast Michigan	Severe Storms	N/A	75,000	11:00 p.m. October 09
10/09/09	California Department of Water Resources (WECC)	6:30 p.m.	Central Valley, CA (Bakersfield, CA)	Transmission System Interruption	180	N/A	7:10 p.m. October 09
10/09/09	Entergy Corporation (SERC)	10:45 p.m.	Arkansas and North Louisiana	Winter Storm	N/A	56,000	4:00 p.m. October 11
10/13/09	Western Area Power Administration Upper Great Plains Region (WECC)	12:48 p.m.	Southeastern Wyoming	Ice	101	35,500	2:34 p.m. October 13
10/13/09	Sacramento Municipal Utility District (WECC)	3:45 p.m.	Sacramento County	High Winds	90	94,000	5:50 p.m. October 13
10/13/09	Pacific Gas and Electric (WECC)	4:00 p.m.	Northern California	High Winds and Rain	350	859,554	10:30 p.m. October 13
November							
11/12/09	Dominion VirginiaPower/Dominion North Carolina Power (SERC)	6:45 p.m.	Southeastern Virginia, Northeastern North Carolina	Tropical Storm Ida	400	335,000	4:25 a.m. November 14
11/18/09	California Dept of Water Resources (WECC)	6:15 a.m.	Central Valley, CA	Switching Failure	630	N/A	10:00 a.m. November 18
December							
12/07/09	California Department of Water Resources (WECC)	10:00 p.m.	California	Forced Outage Equipment Failure	400	N/A	4:00 a.m. December 08
12/08/09	Arizona Public Service (WECC)	1:00 a.m.	Arizona	Severe Weather	N/A	140,000	11:00 a.m. December 10
12/08/09	California Independent System Operator (WECC)	6:34 a.m.	California	Load Shed/Made Public Appeals	N/A	N/A	12:00 p.m. December 08
12/09/09	American Electric Power (RFC)	1:37 p.m.	Ohio	Severe Weather	N/A	48,102	6:30 a.m. December 10
12/10/09	Detroit Edison (RFC)	5:45 p.m.	Michigan	Severe Weather	N/A	65,562	8:00 a.m. December 12
12/18/09	American Electric Power (RFC)	8:00 p.m.	West Virginia, Kentucky, Ohio	Severe Weather	N/A	403,913	9:30 p.m. December 25
12/18/09	Progress Energy Carolinas Inc (SERC)	10:55 p.m.	Western North Carolina	Severe Weather	N/A	47,000	11:15 p.m. December 19

[1] Estimated values.
Note: Estimates for 2009 are preliminary.
Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Appendix C

Technical Notes

The Energy Information Administration (EIA) periodically reviews and revises how it collects, estimates, and reports data pertaining to the electric power industry. These Technical Notes describe current data quality efforts and measures as well as each active survey form contributing to the data published in the *Electric Power Monthly* (*EPM*).

Data Quality

The *EPM* is prepared by the Electric Power Division, Office of Electricity, Renewables & Uranium Statistics (ERUS), Energy Information Administration (EIA), U.S. Department of Energy. Quality statistics begin with the collection of the correct data. To assure this, ERUS performs routine reviews of the data collected and the forms on which it is collected. Additionally, to assure that the data are collected from the correct parties, ERUS routinely reviews the frames for each data collection.

Automatic, computerized verification of keyed input, review by subject matter specialists, and follow-up with nonrespondents assure quality statistics. To ensure the quality standards established by the EIA, formulas that use the past history of data values in the database have been designed and implemented to check data input for errors automatically. Data values that fall outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies. All survey nonrespondents are identified and contacted.

Reliability of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Non-sampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results is determined by the joint effects of sampling and nonsampling errors. Monthly sample survey data have both sampling and nonsampling error. Annual survey data are collected by a census and are not subject to sampling error.

Nonsampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse); (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. Note that for the cutoff sampling and model-based regression (ratio) estimation that we use, data 'missing' due to nonresponse, and data 'missing' due to being out-of-sample are treated in the same manner. Therefore missing data may be considered to result in sampling error, and variance estimates reflect all missing data.

Although no direct measurement of the biases due to nonsampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. See the Data Processing and Data System Editing section for each EIA Form for an in depth discussion of how the sampling and nonsampling errors are handled in each case[2,3,5,14,15,19,25].

Relative Standard Error. The relative standard error (RSE) statistic, usually given as a percent, describes the magnitude of sampling error that might reasonably be incurred[11,14,17]. The RSE is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable[12].

The sampling error may be less than the nonsampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated nonsampling errors, which were then identified and corrected. Nonsampling errors may be attributed to many sources, including the response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response, or coverage. These nonsampling errors also occur in complete censuses. In a complete census, this problem may become unmanageable.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approximately a 68-percent chance that the true total or mean is within one RSE of the estimated total or mean. Note that reported RSEs are always estimates themselves, and are usually, as here, reported as percents. As an example, suppose that a net generation from coal value is estimated to be 1,507 million kilowatthours with an estimated RSE of 4.9 percent. This means that, ignoring any nonsampling error, there is approximately a 68-percent chance that the true million kilowatthour value is within approximately 4.9 percent of 1,507 million kilowatthours (that is, between 1,433 and 1,581 million kilowatthours). Also under the Central Limit Theorem, there is approximately a 95-percent chance that the true mean or total is within 2 RSEs of the estimated mean or total.

Note that there are times when a model may not apply, such as in the case of a substantial reclassification of sales, when the relationship between the variable of interest and the regressor data does not hold. In such a case, the new information may represent only itself, and such numbers

are added to model results when estimating totals. Further, there are times when sample data may be known to be in error, or are not reported. Such cases are treated as if they were never part of the model-based sample, and values are imputed. Experiments were done to see if nonresponse should be treated differently, but it was decided to treat those cases the same as out-of-sample cases[14, 18, 23].

Relative Standard Error With Respect to a Superpopulation. The RSESP statistic is similar to the RSE (described above). Like the RSE, it is a statistic designed to estimate the variability of data and is usually given as a percent. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from both sampling and non-sampling errors[15, 16, 17, 20]. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample[17,20]. In addition to being a measure of data variability, the RSESP can also be useful in comparing different models that are applied to the same set of data[18]. This capability is used to test different regression models for imputation and prediction. This testing may include considerations such as comparing different regressors, the comparative reliability of different monthly samples, or the use of different geographical strata or groupings for a given model. For testing purposes, ERUS typically uses recent historical data that have been finalized. Typically, time-series graphics showing two or more models or samples are generated showing the RSESP values over time. In selecting models, consideration is given to total survey error as well as any apparent differences in robustness[14].

Imputation. For monthly data, if the reported values appeared to be in error and the data issue could not be resolved with the respondent, or if the facility was a nonrespondent, a regression methodology is used to impute for the facility[11, 12,18,19,21]. The same procedure is used to estimate ("predict") data for facilities not in the monthly sample. The regression methodology relies on other data to make estimates for erroneous or missing responses.

Estimation for missing monthly data is accomplished by relating the observed data each month to one or more other data elements (regressors) for which we generally have an annual census. Each year, when new annual regressor data are available, recent monthly relationships are updated, causing slight revisions to estimated monthly results. These revisions are made as soon as the annual data are released.

The basic technique employed is described in the paper "Model-Based Sampling and Inference[12]," on the EIA website. Additional references can be found on the InterStat website. The basis for the current methodology involves a 'borrowing of strength' technique for small domains[11, 13, 14].

Data Revision Procedure

ERUS has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

- Annual survey data are disseminated either as preliminary or final when first appearing in a data product. Data initially released as preliminary will be so noted in the data product. These data are typically released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in another product.
- All monthly survey data are first disseminated as preliminary. These data are revised after the prior year's data are finalized and are disseminated as revised preliminary. No revisions are made to the published data before this or subsequent to these data being finalized unless significant errors are discovered.
- After data are disseminated as final, further revisions will be considered if they make a difference of 1 percent or greater at the national level. Revisions for differences that do not meet the 1 percent or greater threshold will be determined by the Office Director. In either case, the proposed revision will be subject to the EIA revision policy concerning how it affects other EIA products.
- The magnitudes of changes due to revisions experienced in the past will be included periodically in the data products, so that the reader can assess the accuracy of the data.

In accordance with the policy statement above, the mean absolute value for the 12 monthly revisions of each item are provided at the U.S. level for the years 2004 through 2006 (Table C2). For example, the mean (in percentage terms) of the 12 monthly absolute differences between preliminary and final monthly data for coal-fired generation in 2006 was 0.19. That is, on average, the mean absolute value of the change made each month to coal-fired generation was 0.19 percent.

Data Sources For Electric Power Monthly

Data published in the *Electric Power Monthly (EPM)* are compiled from the following sources: Form EIA-923, "Power Plant Operations Report," Form EIA-826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," Form EIA-860, "Annual Electric Generator Report," Form EIA-860M, "Monthly Update to the Annual Electric Generator Report," and Form EIA-861, "Annual Electric Power Industry Report." For access to these forms and their instructions, please see: http://www.eia.gov/cneaf/electricity/page/forms.html.

In addition to the above-named forms, the historical data published in the *EPM* for periods prior to 2008 are compiled from the following sources: FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Form EIA-759, "Monthly Power Plant Report," Form EIA-860A, "Annual Electric Generator Report–Utility," Form EIA-860B, "Annual Electric Generator Report–Nonutility," Form EIA-900, "Monthly Nonutility Power Report," For EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." See Appendix A of the historical Electric Power Annuals to find descriptions of forms that are no longer in use. The publications are located at:
http://www.eia.gov/cneaf/electricity/epa/backissues.html

Rounding Rules for Data. To round a number to n digits (decimal places), add one unit to the nth digit if the (n+1) digit is 5 or larger and keep the nth digit unchanged if the (n+1) digit is less than 5. The symbol for a number rounded to zero is (*).

Percent Difference. The following formula is used to calculate percent differences.

$$\text{Percent Difference} = \left(\frac{x\ (t_2) - x\ (t_1)}{|\ x\ (t_1)\ |} \right) x\ 100,$$

where $x\ (t_1)$ and $x\ (t_2)$ denote the quantity at year t_1 and subsequent year t_2.

Form EIA-826

The Form EIA-826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," is a monthly collection of data from a sample of approximately 450 of the largest electric utilities (primarily investor-owned and publicly owned) as well as a census of energy service providers with retail sales in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and Design History. The collection of electric power sales data and related information began in the early 1940's and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA-826, "Electric Utility Company Monthly Statement," replaced the FERC Form 5 in January 1983. In January 1987, the "Electric Utility Company Monthly Statement" was changed to the "Monthly Electric Utility Sales and Revenue Report with State Distributions." The title was changed again in January 2002 to "Monthly Electric Utility Sales and Revenues with State Distributions Report" to become consistent with other EIA report titles. The Form EIA-826 was revised in January 1990, and some data elements were eliminated.

In 1993, EIA for the first time used a model sample for the Form EIA-826. A stratified random sample, employing auxiliary data, was used for each of the four previous years[6,7,8,9]. The sample for the Form EIA-826 was designed to obtain estimates of electricity sales and average retail price of electricity at the State level by end-use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those retail energy providers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See *EPM* April 2001, p.1.)

With the October 2004 issue of the Electric Power Monthly (EPM) EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM include July 2004 data as well as year-to-date. EIA's efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects retail data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents' customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census[3,6,19].

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the EIA-860 or EIA-923. See the following link for a detailed explanation.
http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data Processing and Data System Editing. Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

Imputation. Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from Survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data[i], the regressor data for Schedule 1 Parts B and C is the prior month's data[ii].

Formulas and Methodologies. The Form EIA-826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and state. Form EIA-861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both retail sales of electricity to ultimate customers and revenue from retail sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for December 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census Division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate retail price of electricity at the State level. The estimates are accumulated separately to produce the Census Division and U.S. level estimates[13].

Some electric utilities provide service in more than one State. To facilitate the estimation, the State-service area is actually used as the sampling unit. For each State served by each utility, there is a utility State-part, or "State-service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average retail price of electricity by end-use sector at State, Census Division, and national level. Estimation procedures include imputation to account for nonresponse. Nonsampling error must also be considered. The nonsampling error is not estimated directly, although attempts are made to minimize the nonsampling error[11,12,13,14,15,20].

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric utility operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric utility to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service.

Adjusting Monthly Data to Annual Data. As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

[i] Data from 2007 will be finalized with the publication of the *Electric Power Annual 2007*.

[ii] If a census of schedules B and C is not available for the prior month, the most recent completely censused prior month is used.

Sensitive Data (Formerly identified as Data Confidentiality). Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Form EIA-860

The Form EIA-860, "Annual Electric Generator Report," is a mandatory census of all existing and planned electric power plants in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 5-year plans for constructing new plants, generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental related data are collected at the boiler level. These data include environmental equipment design parameters and boiler air emission standards and boiler emission controls The Form EIA-860 is made available in January to collect data related to the previous year. The completed survey is due to EIA by February 15 of each year.

Instrument and Design History. The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999. At the same time, Form EIA-867, "Annual Nonutility Power Producer Report," was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility" to collect data from nonutilities.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Beginning with data collected for the calendar year ending December 31, 2007, Form EIA-860 is revised to include the collection of boiler level data related to air emission standards and emission controls along with design parameters of associated environmental related equipment.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing and Data System Editing.
Approximately 2,700 respondents are requested to provide data as of December 31 on the Form EIA-860. Computer programs containing edit checks are run to identify errors. Respondents are contacted to obtain correction or clarification of reported data and to obtain missing data, as a result of the editing process.

Sensitive Data (Formerly identified as Data Confidentiality). Tested heat rate data collected on Form EIA-860 are considered sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA". Plant latitude and longitude data provided prior to 2007 are considered sensitive (45Federal Register 59812 (1980)).

Form EIA-860M

The Form EIA-860M, "Monthly Update to the Annual Electric Generator Report," is a mandatory monthly survey that collects data on the status of proposed new generators or changes to existing generators for plants that report on Form EIA-860.

The EIA-860M has a rolling frame based upon planned changes to capacity as reported on the previous Form EIA-860. Respondents are added to the frame 12 months prior to expected effective date for all new units or uprates to nuclear units. For all other types of capacity changes (including uprates to non-nuclear generation), respondents are added one month prior to the anticipated on-line date. Respondents are removed from the frame at the completion of the changes or if the change date is moved back so that the plant no longer qualifies to be on the frame. Typically from about 75 to 110 respondents per month are required to report for 90 to 130 plants (including 200 to 300 units) on this form. The unit characteristics of interest are changes to the previously reported on-line month and year, prime mover type, capacity, and energy sources

Instrument and Design History. The data collected on Form EIA-860M was originally collected via phone calls at the end of each month. During 2005, the Form EIA-860M was introduced as a mandatory form using the Internet Data Collection (IDC) system.

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data Processing and Data System Editing.
Approximate 75-110 respondents are requested to provide data each month on the EIA-860M. This data is collected via the IDC system and automatically checked for certain errors. Most of the quality assurance issues are addressed by the respondents as part of the automatic edit check process. In some cases, respondents are subsequently contacted about their explanatory overrides to the edit checks.

Sensitive Data (Formerly identified as Data Confidentiality). Data collected on the Form EIA-860M are not considered to be sensitive.

Form EIA-861

The Form EIA-861, "Annual Electric Power Industry Report," is a mandatory census of electric power industry participants in the United States. The survey is used to collect information on power production and sales data from approximately 3,300 respondents. These include electric utilities, other electricity distributors, and power marketers. The data collected are used to maintain and update the EIA's electric power industry participant frame database. These include electric utilities, other electricity distributors, and power marketers.

Instrument and Design History. The Form EIA-861 was implemented in January 1985 for collection of data as of year-end 1984. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing and Data System Editing. The Form EIA-861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on-line system. Internal edit checks are performed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA-861 and similar data reported on the Forms EIA-826. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Data for the Form EIA-861 are collected at the owner level from all electric utilities including energy service providers in the United States, its territories, and Puerto Rico. Form EIA-861 data in this report are for the United States only.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector. A ratio estimation procedure is used for estimation of retail price of electricity at the State level.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric power industry participant. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric power industry participant operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric power industry participant to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric power industry participant for providing electrical service.

Sensitive Data (Formerly identified as Data Confidentiality). Data collected on the Form EIA-861 are not considered to be sensitive.

Form EIA-923

Form EIA-923, "Power Plant Operations Report," is a monthly collection of data on receipts and cost of fossil fuels, fuel stocks, generation, consumption of fuel for generation, and environmental data (e.g. emission controls and cooling systems). Data are collected from a monthly sample of approximately 1,600 plants, which includes a census of nuclear and pumped storage hydroelectric plants. In addition approximately 3,700 plants, representing all other generators 1 MW or greater, are collected annually. In addition to electric power generating plants, respondents include fuel storage terminals without generating capacity that receive shipments of fossil fuels for eventual use in electric power generation. The monthly data are due by the last day of the month following the reporting period.

Receipts of fossil fuels, fuel cost and quality information, and fuel stocks at the end of the reporting period are all reported at the plant level. Plants that burn organic fuels and have a steam turbine capacity of at least 10 megawatts report consumption at the boiler level and generation at the generator level. For all other plants, consumption is reported at the prime-mover level. For these plants, generation is reported either at the prime-mover level or, for noncombustible sources (e.g. wind, nuclear), at the prime-mover and energy source level. The source and disposition of electricity is reported annually for nonutilities at the plant level as is revenue from sales for resale. Environmental data are collected annually from facilities that have a steam turbine capacity of at least 10 megawatts.

Instrument and Design History.
Receipts and Cost and Quality of Fossil Fuels

On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil-steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate-capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was

extended to include combined-cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see above) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing non-regulated power producers. Its design closely followed that of the FERC Form 423.

Both the Form EIA-423 and FERC-423 were superseded by Form EIA-923 (Schedule 2) in January of 2008. The EIA-923 maintains the 50 megawatt threshold for these data. However, not all data are collected monthly on the new form. Beginning with 2008 data, a sample of the respondents will report monthly, with the remainder reporting annually (monthly values will be imputed via regression). For 2007, Schedule 2 annual data will not be collected or imputed. Most of the plants required to report on Schedule 2 already submitted their 2007 receipts data on a monthly basis.

Generation, Consumption, and Stocks

The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities[10]. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data[11]. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Forms EIA-906 and EIA-920 were superseded by survey form EIA-923 beginning in January 2008 with the collection of annual 2007 data and monthly 2008 data.

Data Processing and Data System Editing. Respondents are encouraged to enter data directly into a computerized database via the Internet Data Collection (IDC) system. A variety of automated quality control mechanisms are run during this process, such as range checks and comparisons with historical data. These edit checks were performed as the data were provided, and many problems that are encountered are resolved during the reporting process. Those plants that are unable to use the electronic reporting medium provide the data in hard copy, typically via fax. These data were manually entered into the computerized database. The data were subjected to the same edits as those that were electronically submitted.

If the reported data appeared to be in error and the data issue could not be resolved by follow up contact with the respondent, or if a facility was a nonrespondent, a regression methodology was used to impute for the facility.

Imputation. Regression prediction, or imputation, is done for all missing data including non-sampled units and any nonrespondents. Imputation is done for gross generation, total fuel consumption, receipts of fossil fuels, cost of fossil fuel shipments, and stocks. Multiple regression is used for gross generation and total fuel consumption. For gross generation, the regressors are prior year average generation for the same fuel, prior year average generation from other fuels, and nameplate capacity. Regressors for total fuel consumption are prior year average fuel consumption from the same fuel, prior year average consumption from other fuels, and nameplate capacity. Average consumption from the previous year for the same fuel is used as the lone regressor for receipts of fossil fuels and for the cost of fossil fuel shipments. For stocks, a linear combination of the prior month's ending stocks value, and the current month's consumption and receipts values.

Several additional fields are estimated by means other than regression. These include net generation and fuel quality information such as sulfur and Btu (British thermal unit) content. Net generation is computed by a fixed ratio to gross generation by prime-mover type. For fuel quality variables, the observed state average is used for all missing records. In the event that no value is available at the state level, the national average is used. Should the national average also be unavailable, the midpoint of the acceptable range of values[iii] is used.

Receipts of Fossil Fuels. Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers whose total fossil-fueled nameplate capacity is 50 megawatts or more (excluding storage terminals, which do not produce electricity). The data on cost and quality of fuel shipments are then used in the following formulas to produce aggregates and averages for each fuel type at

[iii] The ranges used are the same as are used for range checks during data collection.

the State, Census Division, and U.S. level. For these formulas, receipts and average heat content are at the plant level. For each geographic region, the summation sign, ∑, represents the sum of all facilities in that geographic region.

For coal, units for receipts are in tons and units for average heat contents (A) are in million Btu per ton.

For petroleum, units for receipts are in barrels and units for average heat contents (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf) and units for average heat contents (A) are in million Btu per thousand cubic foot.

For each of the above fossil fuels:

$$\text{Total Btu} = \sum_i (R_i \times A_i),$$

where i denotes a facility; R_i = receipts for facility i;

A_i = average heat content for receipts at facility i;

$$\text{Weighted Average Btu} = \frac{\sum_i (R_i \times A_i)}{\sum_i R_i},$$

where i denotes a facility; R_i = receipts for facility i; and, A_i = average heat content for receipts at facility i.

The weighted average cost in cents per million Btu is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{\sum_i (R_i \times A_i)},$$

where i denotes a facility; R_i = receipts for facility i;

A_i average heat content for receipts at facility i;

and C_i = cost in cents per million Btu for facility i.

The weighted average cost in dollars per unit (i.e., tons, barrels, or Mcf) is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{10^2 \sum_i R_i},$$

where i denotes a facility; R_i = receipts for facility i;

A_i = average heat content for receipts at facility i;

and, C_i = cost in cents per million Btu for facility i.

Power Production, Fuel Stocks, and Fuel Consumption Data. The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906

In January 2008, Form EIA-923 superseded both the EIA-906 and EIA-920 forms for the collection of these data.

Methodology to Estimate Biogenic and Non-biogenic Municipal Solid Waste. Municipal Solid Waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

The tonnage of MSW consumed is reported on the Form EIA-923. The composition of MSW and categorization of the components were obtained from the Environmental Protection Agency publication, *Municipal Solid Waste in the United States: 2005 Facts and Figures.* The Btu contents of the components of MSW were obtained from various sources[1,4,.22,24].

The potential quantities of combustible MSW discards (which include all MSW material available for combustion with energy recovery, discards to landfill, and other disposal) were multiplied by their respective Btu contents. The EPA-based categories of MSW were then classified into renewable and non-renewable groupings. From this, EIA calculated how much of the energy potentially consumed from MSW was attributed to biogenic

components and how much to non-biogenic components (see Table 1 and 2, below)[iv].

These values are used to allocate the net and gross generation published in the *Electric Power Monthly* and *Electric Power Annual* generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

Table 1. Btu Consumption for Biogenic and Non-biogenic Municipal Solid Waste (percent)

	2001	2002	2003	2004	2005	2006
Biogenic	57	56	55	55	56	56
Non-biogenic	43	44	45	45	44	44

Table 2. Tonnage Consumption for Biogenic and Non-biogenic Municipal Solid Waste (percent)

	2001	2002	2003	2004	2005	2006
Biogenic	77	77	76	76	75	75
Non-biogenic	23	23	24	24	25	25

Useful Thermal Output. With the implementation of the Form EIA-923, "Power Plant Operations Report," in 2008, combined heat and power (CHP) plants are required to report total fuel consumed and electric power generation[v]. Beginning with the January 2008 data, EIA will estimate the allocation of the total fuel consumed at CHP plants between electric power generation and useful thermal output.

First, an efficiency factor is determined for each plant and prime mover type. Based on data for electric power generation and useful thermal output collected in 2003 (on Form EIA-906, "Power Plant Report") efficiency was calculated for each prime mover type at a plant. The efficiency factor is the total output in Btu, including electric power and useful thermal output (UTO), divided by the total input in Btu. Electric power is converted to Btu at 3,412 Btu per kilowatthour.

Second, to calculate the amount of fuel for electric power, the gross generation in Btu is multiplied by the efficiency factor. The fuel for UTO is the difference between the total fuel reported and the fuel for electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

[iv] Biogenic components include newsprint, paper, containers and packaging, leather, textiles, yard trimmings, food wastes, and wood. Non-biogenic components include plastics, rubber and other miscellaneous non-biogenic waste.

[v] See the section "Issues within Historical Data Series" for information on the handling of CHP plants prior to 2008.

In addition, if the total fuel reported is less than the estimated fuel for electric power generation, then the fuel for electric power generation is equal to the total fuel consumed, and the UTO will be zero.

Conversion of Petroleum Coke to Liquid Petroleum. The quantity conversion is 5 barrels (of 42 U.S. gallons each) per short ton (2,000 pounds). Coke from petroleum has a heating value of 6.024 million Btus per barrel.

Issues within Historical Data Series.

Receipts and Cost and Quality of Fossil Fuels

Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data.

Prior to 2008, regulated plants reported receipts data on the FERC Form 423. These plants, along with unregulated plants, now report receipts data on Schedule 2 of Form EIA-923. Because FERC issued waivers to Form 423 filing requirements to some plants who met certain criteria, and because not all types of generators were required to report (only steam turbines and combined-cycle units reported), a significant number of plants either did not submit fossil fuel receipts data or submitted only a portion of their fossil fuel receipts. Since Form EIA-923 does not have exemptions based on generator type or reporting waivers, receipts data from 2008 and later cannot be directly compared to previous years' data for the regulated sector. Furthermore, there may be a notable increase in fuel receipts beginning with January 2008 data.

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the EIA-423 was created to help fill that gap. As a further improvement, estimation of all receipts for the universe normally depicted in the EPM (*i.e.,* 1 megawatt and above), with associated relative standard errors, provides a more complete assessment of the market.

Generation and Consumption

Beginning in 2008, a new method of allocating fuel consumption between electric power generation and useful thermal output (UTO) was implemented. This new methodology evenly distributes a combined heat and power (CHP) plant's losses between the two output products (electric power and UTO). In the historical data, UTO was consistently assumed to be 80 percent efficient and all other losses at the plant were allocated to electric power. This change causes the fuel for electric power to be decreased while the fuel for UTO is increased as both are given the same efficiency. This results in the appearance of an increase in efficiency of production of electric power between periods.

Sensitive Data (Formerly identified as Data Confidentiality). Most of the data collected on the Form EIA-923 are not considered business sensitive. However, the cost of fuel delivered to nonutilities, commodity cost of fossil fuels, and reported fuel stocks at the end of the reporting period are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

NERC Classification

The Florida Reliability Coordinating Council (FRCC) separated itself from the Southeastern Electric Reliability Council (SERC) in the mid-1990s. In 1998, several utilities realigned from Southwest Power Pool (SPP) to SERC. Name changes altered both the Mid-Continent Area Power Pool (MAPP) to the Midwest Reliability Organization (MRO) and the Western Systems Coordinating Council (WSCC) to the Western Energy Coordinating Council (WECC). The MRO membership boundaries have altered over time, but WECC membership boundaries have not. The utilities in the associated regional entity identified as the Alaska System Coordination Council (ASCC) dropped their formal participation in NERC. Both the States of Alaska and Hawaii are not contiguous with the other continental States and have no electrical interconnections. At the close of calendar year 2005, the follow reliability regional councils were dissolved: East Central Area Reliability Coordinating Agreement (ECAR), Mid-Atlantic Area Council (MAAC), and Mid-America Interconnected Network (MAIN).

On January 1, 2006, the Reliability*First* Corporation (RFC) came into existence as a new regional reliability council. Individual utility membership in the former ECAR, MAAC, and MAIN councils mostly shifted to RFC. However, adjustments in membership as utilities joined or left various reliability councils impacted MRO, SERC, and SPP. The Texas Regional Entity (TRE) was formed from a delegation of authority from NERC to handle the regional responsibilities of the Electric Reliability Council of Texas (ERCOT). The revised delegation agreements covering all the regions were approved by the Federal Energy Regulatory Commission on March 21, 2008. Reliability Councils that are unchanged include: Florida Reliability Coordinating Council (FRCC), Northeast Power Coordinating Council (NPCC), and the Western Energy Coordinating Council (WECC

The new NERC Regional Council names are as follows:

- Florida Reliability Coordinating Council (FRCC),
- Midwest Reliability Organization (MRO),
- Northeast Power Coordinating Council (NPCC),
- Reliability*First* Corporation (RFC),
- Southeastern Electric Reliability Council (SERC),
- Southwest Power Pool (SPP),
- Texas Regional Entity (TRE), and
- Western Energy Coordinating Council (WECC).

Business Classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual.17 In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

111	Agriculture production-crops
112	Agriculture production, livestock and animal specialties
113	Forestry
114	Fishing, hunting, and trapping
115	Agricultural services

Mining

211	Oil and gas extraction
2121	Coal mining
2122	Metal mining
2123	Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311	Food and kindred products
3122	Tobacco products
314	Textile and mill products

315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities
22 Electric, gas, and sanitary services
2212 Natural gas transmission
2213 Water supply
22131 Irrigation systems
22132 Sewerage systems
481 Transportation by air
482 Railroad transportation
483 Water transportation
484 Motor freight transportation and warehousing
485 Local and suburban transit and interurban highway passenger transport
486 Pipelines, except natural gas
487 Transportation services
491 United States Postal Service
513 Communications
562212 Refuse systems

Wholesale Trade
421 to 422

Retail Trade
441 to 454

Finance, Insurance, and Real Estate
521 to 533

Services
512 Motion pictures
514 Business services
514199 Miscellaneous services
541 Legal services
561 Engineering, accounting, research, management, and related services
611 Education services
622 Health services
624 Social services
712 Museums, art galleries, and botanical and zoological gardens
713 Amusement and recreation services
721 Hotels
811 Miscellaneous repair services
8111 Automotive repair, services, and parking
812 Personal services
813 Membership organizations
814 Private households

Public Administration
92

Table C1. Average Heat Content of Fossil-Fuel Receipts, November 2010

Census Division and State	Coal (Million Btu per Ton)[1]	Petroleum Liquids (Million Btu per Barrel)[2]	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)[3]
New England	**24.13**	**6.01**	**--**	**1.03**
Connecticut	23.29	5.81	--	1.02
Maine	25.21	6.06	--	1.05
Massachusetts	23.66	5.95	--	1.03
New Hampshire	25.88	6.08	--	1.04
Rhode Island	--	6.01	--	1.02
Vermont	--	5.77	--	1.01
Middle Atlantic	**21.83**	**5.91**	**27.96**	**1.02**
New Jersey	25.36	5.37	--	1.02
New York	21.84	6.29	28.00	1.02
Pennsylvania	21.72	5.81	27.85	1.02
East North Central	**20.06**	**5.85**	**25.14**	**1.02**
Illinois	17.80	5.77	--	1.02
Indiana	21.07	5.86	--	1.01
Michigan	19.43	5.93	27.91	1.01
Ohio	23.23	5.77	27.85	1.03
Wisconsin	18.24	5.94	23.44	1.02
West North Central	**16.73**	**5.78**	**28.43**	**1.01**
Iowa	17.31	5.77	27.41	1.01
Kansas	17.09	5.75	29.02	1.01
Minnesota	17.68	5.76	--	1.01
Missouri	17.58	5.78	--	1.02
Nebraska	17.06	5.80	--	1.00
North Dakota	13.17	5.80	--	1.02
South Dakota	16.67	5.80	--	1.02
South Atlantic	**23.88**	**6.03**	**28.35**	**1.02**
Delaware	25.07	5.73	--	1.02
District of Columbia	--	--	--	--
Florida	24.00	6.12	28.11	1.01
Georgia	21.90	6.11	28.79	1.02
Maryland	24.12	5.85	--	1.03
North Carolina	24.44	6.08	--	1.01
South Carolina	25.07	6.04	--	1.03
Virginia	24.87	5.90	--	1.03
West Virginia	24.16	5.78	--	1.02
East South Central	**21.53**	**5.69**	**28.07**	**1.01**
Alabama	20.81	5.73	--	1.02
Kentucky	22.82	5.80	28.07	1.03
Mississippi	17.45	5.78	--	1.01
Tennessee	21.89	5.67	--	1.01
West South Central	**15.96**	**5.80**	**28.62**	**1.02**
Arkansas	17.50	5.65	--	1.02
Louisiana	16.26	5.87	28.63	1.03
Oklahoma	17.25	5.96	27.85	1.03
Texas	15.38	5.79	28.08	1.02
Mountain	**18.51**	**4.55**	**28.70**	**1.03**
Arizona	19.21	5.75	--	1.02
Colorado	18.95	3.93	--	1.03
Idaho	21.73	5.86	--	1.02
Montana	16.71	5.59	28.70	1.02
Nevada	19.91	5.82	--	1.03
New Mexico	16.75	5.69	--	1.02
Utah	21.79	5.86	--	1.04
Wyoming	17.67	5.87	--	1.00
Pacific Contiguous	**17.78**	**5.21**	**28.08**	**1.02**
California	23.81	5.71	28.08	1.02
Oregon	16.99	5.06	--	1.02
Washington	16.74	5.12	--	1.03
Pacific Noncontiguous	**19.03**	**6.01**	**--**	**1.01**
Alaska	17.02	5.47	--	1.01
Hawaii	21.31	6.08	--	--
U.S. Total	**19.58**	**5.86**	**27.85**	**1.02**

[1] Anthracite, bituminous, subbituminous, lignite, waste coal and coal synfuel.
[2] Includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
[3] Natural gas includes a small amount of supplemental gaseous fuels.
Notes: • See Glossary for definitions. • Values for 2010 are preliminary. • Data represent weighted values.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table C2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2007 Through 2009

Item	Mean Absolute Value of Change (Percent) Total (All Sectors)		
	2007	2008	2009
Net Generation			
Coal[1]	.20	.44	.49
Petroleum Liquids[2]	1.29	2.82	1.44
Petroleum Coke	3.16	1.40	1.48
Natural Gas[3]	.69	.69	.45
Other Gases	12.61	2.37	1.51
Hydroelectric[4]	.46	2.73	.90
Nuclear	.01	*	.01
Other[5]	2.25	2.94	2.35
Total	**.17**	**.22**	**.12**
Consumption of Fossil Fuels for Electric Generation			
Coal[1]	.62	.32	.36
Petroleum Liquids[2]	5.15	3.54	1.79
Petroleum Coke	2.96	1.64	1.27
Natural Gas[3]	5.80	.95	.47
Fuel Stocks[6]			
Coal[1]	.85	.79	.10
Petroleum Liquids[2]	--	--	--
Petroleum Coke	--	--	--
Retail Sales			
Residential	.05	.05	.05
Commercial[7]	.48	1.22	.06
Industrial[7]	2.19	2.76	.04
Other[8]	--	--	--
Transportation[7]	5.63	.66	1.83
Total	**.44**	**.31**	**.02**
Revenue			
Residential[7]	.21	.77	.03
Commercial[7]	.66	.36	.17
Industrial	2.71	.33	.21
Other[8]	--	--	--
Transportation[7]	3.65	4.05	3.48
Total	**.33**	**.47**	**.06**
Average Retail Price			
Residential	.17	.83	.02
Commercial[7]	.35	.88	.15
Industrial[7]	.64	2.67	.19
Other[8]	--	--	--
Transportation[7]	8.18	4.66	2.47
Total	**.15**	**.78**	**.04**
Receipts of Fossil Fuels			
Coal[1]	.22	.05	.11
Petroleum Liquids[2]	1.70	1.05	.92
Petroleum Coke	.44	.92	.73
Natural Gas[3]	.13	.08	.10
Cost of Fossil Fuels[9]			
Coal[1]	.04	.04	.02
Petroleum Liquids[2]	.36	.22	.41
Petroleum Coke	.23	1.17	.16
Natural Gas[3]	.02	.16	.11

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil. In 2004 petroleum stocks exclude waste oil.
[3] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
[4] Includes conventional hydroelectric and hydroelectric pumped storage facilities.
[5] Includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
[6] Stocks are end-of-month values.
[7] See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
[8] Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartamental sales.
[9] Data represent weighted values.
* = Value is less than 0.005.

Notes: • Change refers to the difference between estimates or preliminary monthly data published in the Electric Power Monthly (EPM) and the final monthly data published in the EPM. • Values for 2009 are final.

Sources: U.S. Energy Information Administration, Form EIA-923 "Power Plant Operations Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-906, "Power Plant Report;" Form EIA-920 "Combined Heat and Power Plant Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table C3. Comparison of Annual Monthly Estimates Versus Annual Data at the U.S. Level, All Sectors 2007 Through 2009

Item	2007			2008			2009		
	Annual Monthly Estimates	Annual Final	Change (percent)	Annual Monthly Estimates	Annual Final	Change (percent)	Annual Monthly Estimates	Annual Final	Change (Percent)
Net Generation (thousand megawatthours)									
Coal[1]	2,020,572	2,016,456	-.2	1,994,385	1,985,801	-.4	1,764,486	1,755,904	-.5
Petroleum Liquids[2]	49,956	49,505	-.9	31,162	31,917	2.4	25,792	25,974	.7
Petroleum Coke	15,752	16,234	3.1	14,192	14,325	.9	13,035	12,964	-.5
Natural Gas[3]	893,211	896,590	.4	876,948	882,981	.7	920,378	920,797	.1
Other Gases	15,414	13,453	-12.7	11,573	11,707	1.2	10,698	10,629	-.6
Hydroelectric[4]	241,319	240,614	-.3	241,847	248,543	2.8	267,784	268,818	.4
Nuclear	806,487	806,425	*	806,182	806,208	--	798,745	798,855	*
Other[5]	116,803	117,469	.6	133,971	137,905	2.9	152,193	155,754	2.3
Total	**4,159,514**	**4,156,745**	**-.1**	**4,110,259**	**4,119,388**	**.2**	**3,953,111**	**3,949,694**	**-.1**
Consumption of Fossil Fuels for Electric Generation									
Coal 1,000 tons)[1]	1,053,346	1,046,795	-.6	1,043,589	1,042,335	-.1	938,059	934,683	-.4
Petroleum Liquids (1,000 barrels)[2]	87,005	82,433	-5.3	52,268	53,846	3.0	43,672	43,559	-.3
Petroleum Coke (1,000 tons)	6,222	6,036	-3.0	5,396	5,417	.4	4,855	4,821	-.7
Natural Gas (1,000 Mcf)[3]	7,507,446	7,089,342	-5.6	6,833,398	6,895,843	.9	7,104,600	7,120,585	.2
Fuel Stocks for Electric Power Sector[6]									
Coal (1,000 tons)[1]	151,127	151,221	.1	163,056	161,589	-.9	189,971	189,467	-.3
Petroleum Liquids (1,000 barrels)[2]	42,984	44,433	3.4	42,737	40,804	-4.5	38,699	39,210	1.3
Petroleum Coke (1,000 tons)	550	554	.7	794	739	-7.0	1,395	1,394	-.1
Retail Sales (Million kWh)									
Residential	1,391,911	1,392,241	*	1,379,307	1,379,981	.1	1,362,869	1,362,259	*
Commercial[7]	1,342,673	1,336,315	-.5	1,352,453	1,335,981	-1.2	1,322,989	1,323,406	*
Industrial[7]	1,005,828	1,027,832	2.2	982,150	1,009,300	2.8	881,903	881,534	*
Other[8]	--	--	--	--	--	--	--	--	--
Transportation[7]	7,738	8,173	5.6	7,652	7,700	.6	7,689	7,808	1.6
Total	**3,748,149**	**3,764,561**	**.4**	**3,721,562**	**3,732,962**	**.3**	**3,575,450**	**3,575,007**	*****
Retail Revenue (Million Dollars)									
Residential	148,027	148,295	.2	156,633	155,433	-.8	157,351	157,308	*
Commercial[7]	129,765	128,903	-.7	138,970	138,469	-.4	135,084	135,085	--
Industrial[7]	63,972	65,712	2.7	68,889	68,920	*	60,341	60,307	-.1
Other[8]	--	--	--	--	--	--	--	--	--
Transportation[7]	805	792	-1.6	863	827	-4.2	859	881	2.6
Total	**342,569**	**343,703**	**.3**	**365,355**	**363,650**	**-.5**	**353,635**	**353,581**	*****
Average Retail Price (Cents/kWh)									
Residential	10.64	10.65	.1	11.36	11.26	-.9	11.55	11.55	--
Commercial[7]	9.67	9.65	-.2	10.28	10.36	.8	10.21	10.21	--
Industrial[7]	6.36	6.39	.5	7.01	6.83	-2.6	6.84	6.84	--
Other[8]	--	--	--	--	--	--	--	--	--
Transportation[7]	10.40	9.70	-6.7	11.28	10.74	-4.8	11.17	11.28	1.0
Total	**9.14**	**9.13**	**-.1**	**9.82**	**9.74**	**-.8**	**9.89**	**9.89**	**--**
Receipts of Fossil Fuels									
Coal (1,000 tons)[1]	1,072,997	1,054,664	-1.7	1,073,906	1,069,709	-.4	972,973	981,477	.9
Petroleum Liquids (1,000 barrels)[2]	69,524	60,068	-13.6	66,647	61,139	-8.3	50,184	54,181	8.0
Petroleum Coke (1,000 tons)	5,784	5,656	-2.2	7,361	7,040	-4.4	6,570	6,954	5.9
Natural Gas (1,000 Mcf)[3]	7,291,211	7,200,316	-1.3	7,825,970	7,879,046	.7	8,096,135	8,118,550	.3
Cost of Fossil Fuels (Dollars per million Btu)[9]									
Coal[1]	1.78	1.77	-.6	2.07	2.07	--	2.21	2.21	--
Petroleum Liquids[2]	9.62	9.59	-.3	15.56	15.52	-.3	9.95	10.26	3.1
Petroleum Coke	1.54	1.51	-2.0	1.92	2.11	9.9	1.62	1.61	-.6
Natural Gas[3]	7.10	7.11	.1	9.11	9.02	-1.0	4.70	4.74	.9

[1] Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
[2] Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil. In 2004 petroleum stocks exclude waste oil.
[3] Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
[4] Includes conventional hydroelectric and hydroelectric pumped storage facilities.
[5] Includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
[6] Stocks are end-of-month values.
[7] See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
[8] Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartamental sales.
[9] Data represent weighted values.
* = Value is less than 0.05.

Notes: • The average revenue per kilowatthour is calculated by dividing revenue by sales. • Mean absolute value of change is the unweighted average of the absolute changes. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923 "Power Plant Operations Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-906, "Power Plant Report;" Form EIA-920 "Combined Heat and Power Plant Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table C4. Unit-of-Measure Equivalents for Electricity

Unit	Equivalent
Kilowatt (kW)	1,000 (One Thousand) Watts
Megawatt (MW)	1,000,000 (One Million) Watts
Gigawatt (GW)	1,000,000,000 (One Billion) Watts
Terawatt (TW)	1,000,000,000,000 (One Trillion) Watts
Gigawatt	1,000,000 (One Million) Kilowatts
Thousand Gigawatts	1,000,000,000 (One Billion) Kilowatts
Kilowatthours (kWh)	1,000 (One Thousand) Watthours
Megawatthours (MWh)	1,000,000 (One Million) Watthours
Gigawatthours (GWh)	1,000,000,000 (One Billion) Watthours
Terawatthours (TWh)	1,000,000,000,000 (One Trillion) Watthours
Gigawatthours	1,000,000 (One Million) Kilowatthours
Thousand Gigawatthours	1,000,000,000(One Billion Kilowatthours

Source: U.S. Energy Information Administration.

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Glossary

Anthracite: The highest rank of coal; used primarily for residential and commercial space heating. It is a hard, brittle, and black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. The moisture content of fresh-mined anthracite generally is less than 15 percent. The heat content of anthracite ranges from 22 to 28 million Btu per ton on a moist, mineral-matter-free basis. The heat content of anthracite coal consumed in the United States averages 25 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter). *Note:* Since the 1980's, anthracite refuse or mine waste has been used for steam electric power generation. This fuel typically has a heat content of 15 million Btu per ton or less.

Ash: Impurities consisting of silica, iron, aluminum, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on a "received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Ash Content: The amount of ash contained in the fuel (except gas) in terms of percent by weight.

Average Retail Price of Electricity (formerly known as Average Revenue per Kilowatthour): The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

Barrel: A unit of volume equal to 42 U.S. gallons.

Biomass: Organic non-fossil material of biological origin constituting a renewable energy resource.

Bituminous Coal: A dense coal, usually black, sometimes dark brown, often with well-defined bands of bright and dull material, used primarily as fuel in steam-electric power generation, with substantial quantities also used for heat and power applications in manufacturing and to make coke. Bituminous coal is the most abundant coal in active U.S. mining regions. Its moisture content usually is less than 20 percent. The heat content of bituminous coal ranges from 21 to 30 million Btu per ton on a moist, mineral-matter-free basis. The heat content of bituminous coal consumed in the United States averages 24 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

British Thermal Unit: The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

Btu: The abbreviation for British thermal unit(s).

Capacity: See Generator Capacity and Generator Name Plate Capacity (Installed).

Census Divisions: Any of nine geographic areas of the United States as defined by the U.S. Department of Commerce, Bureau of the Census. The divisions, each consisting of several States, are defined as follows:

1) *New England:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
2) *Middle Atlantic*: New Jersey, New York, and Pennsylvania;
3) *East North Central:* Illinois, Indiana, Michigan, Ohio, and Wisconsin;
4) *West North Central*: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota;
5) *South Atlantic*: Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia;
6) *East South Central*: Alabama, Kentucky, Mississippi, and Tennessee;
7) *West South Central:* Arkansas, Louisiana, Oklahoma, and Texas;
8) *Mountain:* Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming;
9) *Pacific:* Alaska, California, Hawaii, Oregon, and Washington.

Note: Each division is a sub-area within a broader Census Region. In some cases, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

Coal: A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Coal Synfuel: Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

Coke (Petroleum): A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Combined Cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbine-generators. The exiting heat from the combustion turbine(s) is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of additional electricity.

Combined Heat and Power (CHP): Includes plants designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

Commercial Sector: An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

Consumption (Fuel): The use of energy as a source of heat or power or as a raw material input to a manufacturing process.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Demand (Electric): The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

Diesel: A distillate fuel oil that is used in diesel engines such as those used for transportation and for electric power generation.

Distillate Fuel Oil: A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

1) *No. 1 Distillate:* A light petroleum distillate that can be used as either a diesel fuel (see No. 1 Diesel Fuel) or a fuel oil. See No. 1 Fuel Oil.

   - *No. 1 Diesel Fuel:* A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See No. 1 Distillate above.

   - *No. 1 Fuel Oil:* A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See No. 1 Distillate above.

2) *No. 2 Distillate:* A petroleum distillate that can be used as either a diesel fuel (see No. 2 Diesel Fuel definition below) or a fuel oil. See No. 2 Fuel oil below.

   - *No. 2 Diesel Fuel:* A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See No. 2 Distillate above.

3) *No. 4 Fuel:* A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

   - *No. 4 Diesel Fuel and No. 4 Fuel Oil: See* No. 4 Fuel above.

Electric Industry Restructuring: The process of replacing a monopolistic system of electric utility suppliers with competing sellers, allowing individual retail customers to choose their supplier but still receive delivery over the power lines of the local utility. It includes the reconfiguration of vertically integrated electric utilities.

Electric Plant (Physical): A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric Power Sector: An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public-- i. e., North American Industry Classification System 22 plants.

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. *Note:* Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity Generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Electricity Generators: The facilities that produce only electricity, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy Conservation Features: This includes building shell conservation features, HVAC conservation features, lighting conservation features, any conservation features, and other conservation features incorporated by the building. However, this category does not include any demand-side management (DSM) program participation by the building. Any DSM program participation is included in the DSM Programs.

Energy Efficiency: Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g. lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

Energy Service Provider: An energy entity that provides service to a retail or end-use customer.

Energy Source: Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells.

Energy-Only Service: Retail sales services for which the company provided only the energy consumed, where another entity provides delivery services.

Fossil Fuel: An energy source formed in the earths crust from decayed organic material. The common fossil fuels are petroleum, coal, and natural gas.

Franchised Service Area: A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in order to provide, distribute, and sell services to the community.

Fuel: Any material substance that can be consumed to supply heat or power. Included are petroleum, coal, and natural gas (the fossil fuels), and other consumable materials, such as uranium, biomass, and hydrogen.

Gas: A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

Gas Turbine Plant: An electric generating facility in which the prime mover is a gas (combustion) turbine. A gas turbine typically consists of an air compressor and one or more combustion chambers where either liquid or gaseous fuel is burned. The resulting hot gases are passed through the turbine where they expand to drive both an electric generator and the compressor.

Generating Unit: Any combination of physically connected generators, reactors, boilers, combustion turbines, or other prime movers operated together to produce electric power.

Generator: A machine that converts mechanical energy into electrical energy.

Generator Capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, adjusted for ambient conditions.

Generator Nameplate Capacity (Installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Geothermal: Pertaining to heat within the Earth.

Geothermal Energy: Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation.

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

Gross Generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours (kWh) or megawatthours (MWh).

Heat Content: The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

Hydroelectric Power: The production of electricity from the kinetic energy of falling water.

Hydroelectric Power Generation: Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i.e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

Hydroelectric Pumped Storage: Hydroelectricity that is generated during peak loads by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Hydrogen: A colorless, odorless, highly flammable gaseous element. It is the lightest of all gases and the most abundant element in the universe, occurring chiefly in combination with oxygen in water and also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Independent Power Producer: A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility.

Industrial Sector: An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); natural gas distribution (NAICS code 2212); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

Interdepartmental Service (Electric): Interdepartmental service includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

Internal Combustion Plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric

plants. The plant is usually operated during periods of high demand for electricity.

Investor-Owned Utility (IOU): A privately-owned electric utility whose stock is publicly traded. It is rate regulated and authorized to achieve an allowed rate of return.

Jet Fuel: A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet fuel and naphtha-type jet fuel.

Kerosene: A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Light Oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: The lowest rank of coal, often referred to as brown coal, used almost exclusively as fuel for steam-electric power generation. It is brownish-black and has a high inherent moisture content, sometimes as high as 45 percent. The heat content of lignite ranges from 9 to 17 million Btu per ton on a moist, mineral-matter-free basis. The heat content of lignite consumed in the United States averages 13 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Manufactured Gas: A gas obtained by destructive distillation of coal, or by thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, and carbureted water gas

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

Municipal Utility: A nonprofit utility, owned by a local municipality and operated as a department thereof, governed by a city council or an independently elected or appointed board; primarily involved in the distribution and/or sale of retail electric power.

Natural Gas: A gaseous mixture of hydrocarbon compounds, the primary one being methane. *Note:* The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

1) *Wet Natural Gas:* A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated liquefiable portions occur either in a single gaseous phase in the reservoir or in solution with crude oil and are not distinguishable at the time as separate substances. *Note*: The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as natural gas.

   - Associated-dissolved natural gas: Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas).
   - Nonassociated natural gas: Natural gas that is not in contact with significant quantities of crude oil in the reservoir.

2) *Dry Natural Gas*: Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. *Note*: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

Net Generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. *Note*: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net Summer Capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of summer peak demand (period of May 1 through October 31). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

Net Winter Capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 though April 30). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. The NERC Regions are:

1) Texas Regional Entity (TRE),
2) Florida Reliability Coordinating Council (FRCC),
3) Midwest Reliability Organization (MRO),
4) Northeast Power Coordinating Council (NPCC),
5) Reliability*F*irst Corporation (RFC),
6) Southeastern Electric Reliability Council (SERC),
7) Southwest Power Pool (SPP), and the
8) Western Energy Coordinating Council (WECC).

North American Industry Classification System (NAICS): A set of codes that describes the possible purposes of a facility.

Nuclear Electric Power: Electricity generated by an electric power plant whose turbines are driven by steam produced by the heat from the fission of nuclear fuel in a reactor.

Other Customers: Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, sales for irrigation, and interdepartmental sales.

Other Generation: Electricity originating from these sources: manufactured, supplemental gaseous fuel, propane, and waste gasses, excluding natural gas; biomass; geothermal; wind; solar thermal; photovoltaic; synthetic fuel; purchased steam; and waste oil energy sources.

Percent Change: The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

Petroleum: A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. *Note:* Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

Petroleum Coke: See Coke (Petroleum).

Photovoltaic Energy: Direct-current electricity generated from sunlight through solid-state semiconductor devices that have no moving parts.

Plant: A term commonly used either as a synonym for an industrial establishment or a generation facility or to refer to a particular process within an establishment.

Power: The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

Power Production Plant: All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbo generator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

Production (Electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

Propane: A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D 1835.

Public Street and Highway Lighting Service: Includes electricity supplied and services rendered for the purpose of lighting streets, highways, parks and other public places; or for traffic or other signal system service, for municipalities, or other divisions or agencies of State or Federal governments.

Railroad and Railway Electric Service: Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

Receipts: Purchases of fuel.

Relative Standard Error: The standard deviation of a distribution divided by the arithmetic mean, sometimes multiplied by 100. It is used for the purpose of comparing the variabilities of frequency distributions but is sensitive to errors in the means.

Residential: An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

Residual Fuel Oil: A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Retail: Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

Revenues: The total amount of money received by a firm from sales of its products and/or services, gains from the sales or exchange of assets, interest and dividends earned on investments, and other increases in the owner's equity except those arising from capital adjustments.

Sales: The transfer of title to an energy commodity from a seller to a buyer for a price or the quantity transferred during a specified period.

Service Classifications (Sectors): Consumers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential, commercial, industrial and other.

Service to Public Authorities: Public authority service includes electricity supplied and services rendered to municipalities or divisions or agencies of State and Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

Solar Energy: The radiant energy of the sun that can be converted into other forms of energy, such as heat or electricity. Electricity produced from solar energy heats a medium that powers an electricity-generating device.

State Power Authority: A nonprofit utility owned and operated by a state government agency, primarily involved in the generation, marketing, and/or transmission of wholesale electric power.

Steam-Electric Power Plant (Conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Stocks of Fuel: A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or in separate storage sites.

Subbituminous Coal: A coal whose properties range from those of lignite to those of bituminous coal and used primarily as fuel for steam-electric power generation. It may be dull, dark brown to black, soft and crumbly, at the lower end of the range, to bright, jet black, hard, and relatively strong, at the upper end. Subbituminous coal contains 20 to 30 percent inherent moisture by weight. The heat content of subbituminous coal ranges from 17 to 24 million Btu per ton on a moist, mineral-matter-free basis. The heat content of subbituminous coal consumed in the United States averages 17 to 18 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Sulfur: A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. *Note*: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Sulfur Content: The amount of sulfur contained in the fuel (except gas) in terms of percent by weight.

Supplemental Gaseous Fuel Supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas,

biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Synthetic Fuel: A gaseous, liquid, or solid fuel that does not occur naturally. Synfuels can be made from coal (coal gasification or coal liquefaction), petroleum products, oil shale, tar sands, or plant products. Among the synfuels are various fuel gases, including but not restricted to substitute natural gas, liquid fuels for engines (e.g., gasoline, diesel fuel, and alcohol fuels) and burner fuels (e.g., fuel heating oils).

Terrawatt: One trillion watts.

Terrawatthour: One trillion kilowatthours.

Ton: A unit of weight equal to 2,000 pounds.

Turbine: A machine for generating rotary mechanical power from the energy of a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Ultimate Consumer: A consumer that purchases electricity for its own use and not for resale.

Useful Thermal Output: The thermal energy made available in a combined heat or power system for use in any industrial or commercial process, heating or cooling application, or delivered to other end users, i.e., total thermal energy made available for processes and applications other than electrical generation.

Waste Coal: As a fuel for electric power generation, waste coal includes anthracite refuse or mine waste, waste from anthracite preparation plants, and coal recovered from previously mined sites.

Waste Gases: As a fuel for electric power generation, waste gasses are those gasses that are produced from gasses recovered from a solid-waste or wastewater treatment facility, or the gaseous by-products of oil-refining processes.

Waste Oil: As a fuel for electric power generation, waste oil includes recycled motor oil, and waste oil from transformers.

Watt (W): The unit of electrical power equal to one ampere under a pressure of one volt. A Watt is equal to 1/746 horsepower.

Watthour (Wh): The electrical energy unit of measure equal to one watt of power supplied to, or taken from, an electric circuit steadily for one hour.

Wind Energy: The kinetic energy of wind converted into mechanical energy by wind turbines (i.e., blades rotating from the hub) that drive generators to produce electricity.

Year to Date: The cumulative sum of each month's value starting with January and ending with the current month of the data.